

Mandatory Disclosure 2021-2022

1.	Name of the Institution including address	Babasaheb Naik College of Engineering,
	Address	Kakaddati, Pusad- 445215 Dist. Yavatmal
	Telephone No. / Fax	07233 – 245229 (O) 07233 – 246316 (Fax)
	Mobile No.	9764996777
	Email Id	principal@bncoepusad.ac.in principalbnce@gmail.com
2.	Name and address of the Trust / Society And the trustees	Janata Shikshan Prasarak Mandal Naik Banglow, Gandhi Nagar, Pusad -445204 Dist. Yavatmal (MS)
	Telephone No. / Fax	07233 – 245052 (O)
	Mobile No.	-
	Email Id	jspm1960@gmail.com
3	Name & Address of Principal	Dr. Avinash M Wankhade
	Address	Babasaheb Naik College of Engineering Kakaddati, Pusad -445215
4	Name of Affiliating University	Sant Gadge Baba Amravati University,
	Address	Near Tapovan, Amravati- 444601

5. Governance

i. Members of Board

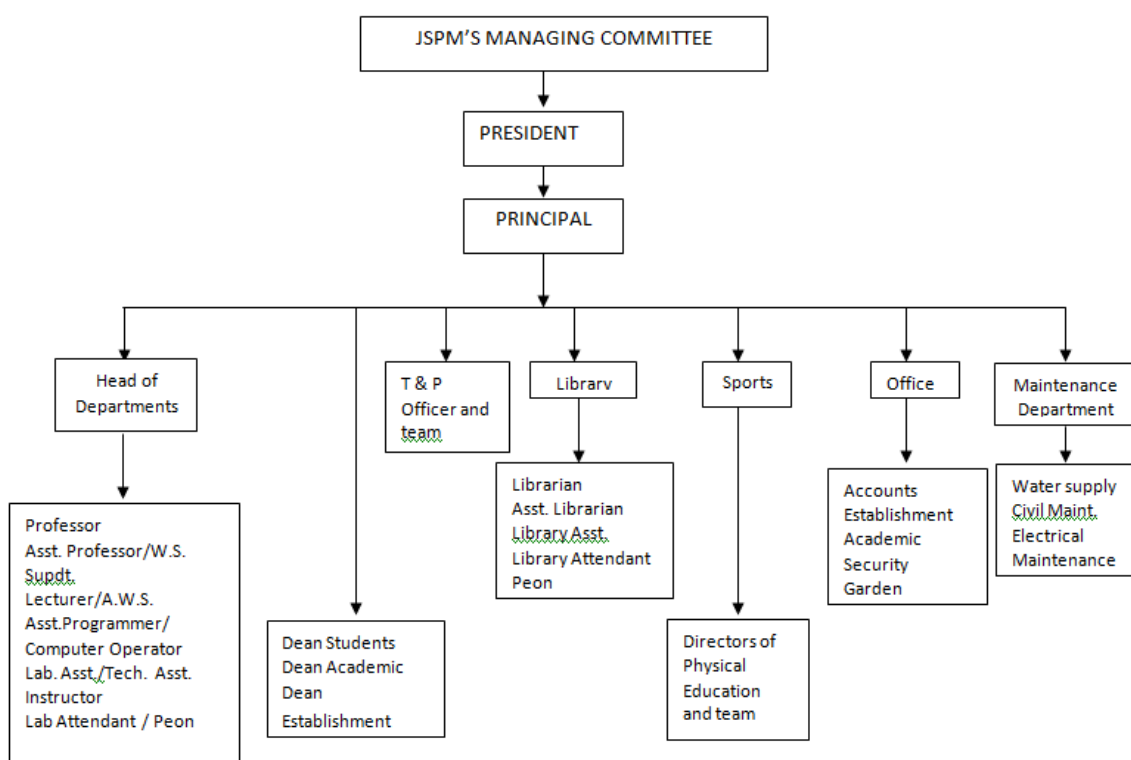
Sr. No.	Name of Members	Designation	Background
01	Shri Jai Sudhakar Naik	Chairman	HSSC, Agriculture
02	Shri Manohar Naik	Secretary	BA, Political, Ex MLA, Ex Cabinet Minister, GOM
03	Dr. N. P. Hirani	Member	Political Background Ex MLC (MS),
04	Adv. G. K. Soni	Member	LLB, Adv.
05	Shri V. D. Patil (Chondhikar)	Member	BA, Chairman, Shivaji Education Society, Pusad
06	Shri Suresh M. Patil (Jadhav)	Member	BSc., Agriculture
07	Shri N. B. Hirani	Member	B.Com, Bussiness
08	Shri Deepak Asegaonkar	Member	BA, Chairman, Shriramappa, Asegaonkar Education Trust
09	Shri Anil M. Naik	Member	HSSC, Agriculture

ii. Members of Academic Advisory Body

Sr. No.	Name of Members	Profile	Designation
01	Shri Jai Sudhakar Naik	President, Trust	Chairman
02	Shri Suresh M. Patil	Member, Trust	Representative of Secretary
03	HoD	Nominated by Principal	Member, Nominated by Principal
04	Prof. P.D. Dudhat	Faculty of Electrical Engineering	Member, Faculty Representative (CDC)
05	Prof. A.C.Saoji	Faculty of Civil Engineering	Member, Faculty Representative
06	Mr. Sultan Khan	Staff member	Member, supporting Staff Representative (CDC)
07	Shri Deepak Asegaonkar	Member, JSPM	Education Field
08	Shri N. B. Hirani	Member, JSPM	Business Field
09	Dr. S. G. Motke	Ex. Principal	Education Field
10	Mr. Swapnil Chintamani	Alumni of Institute	Director, Chintamani Coaching Class
11	Dr. K. Ravi	IQAC Coordinator	Professor Civil Engg.
12	Dr. Avinash M Wankhade	Officiating Secretary	Principal

iii.	Frequency of Board Meeting and Academic Advisory Body :	Board Meeting : As and when required but Minimum Two in a year Academic Advisory Body :- Two in a year

iv.	Organizational Chart and Process :	



v.	Nature and Extent of involvement of faculty and students in Academic affairs / improvements
	Session 2019-20

i. Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices

Sr.No.	Title of Workshop/Seminar	Name of the Dept.	Date(s)	No.of Students Participated
1	Seminar on Career	Computer Science &	27/06/2019	63

	Guidance	Engineering		
2	Seminar on Guidance about Rules & Regulations of transport	Computer Science & Engineering	01/07/2019	60
3	Seminar on Work Culture in industry	Computer Science & Engineering	9/7/2019	65
4	Seminar on Aptitude Awareness & Technical	Computer Science & Engineering	07/08/2019	27
5	Workshop on Soft Skills and Image Management	Computer Science & Engineering	26/08/2019	50
6	Seminar on Current Technology & Business Functionalities	Computer Science & Engineering	17/12/2019	50
7	Employment Enrichment during and post COVID-19	Computer Science & Engineering	04/06/2020	34
8	Webinar on HR Training & Interview Etiquettes	Computer Science & Engineering	15/06/2020	72
9	Research Methodology (For PhD Scholars and Faculty)	Electronics & Telecommunication Engineering	21/09/2019	35
10	Introduction to Arduino	Electronics & Telecommunication Engineering	20 th and 21 st Sept 2019	25
11	Training Program on“ Python Programming”	Electronics & Telecommunication Engineering	13 th to 25 th Jan 2020	40

ii. Research Publications in the Journals notified on UGC website during 2019 2020

	Department	No. of Publication	Average Impact Factor, if any
National			
International	Civil Engineering	00	
	Mechanical Engineering	00	
	Electronics & Telecommunication Engineering	05	2.325
	Computer Science & Engineering	05	5.64
	Total	10	

iii. Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during 2019 2020

Department	No. of publication
Civil	00
Mechanical	00
Electronics & Telecommunication	07
Computer Science & Engineering	01
Total	08

iv. Institutional Publications during 2019 2020. (Based on Scopus/ Web of science)

Sr. No	Name of the Department	Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
1	Electronics & Telecommunication	Optimizing Sensor Relationship for Fusion of Multispectral and Panchromatic Image	Prof. Dr. R. J. Bhiwani	International Journal of Innovative Technology and Exploring Engineering, Vol. 9, no.2, pp. 3077-3083	Dec 2019	1	1	Babasahab Naik College of Engineering Pusad
2	Electronics & Telecommunication	Remote Sensing Image Fusion Using High Resolution Scale Regression and Half-Gradient	Prof. Dr. R. J. Bhiwani	International Journal of Scientific and Technology Research, Vol.9 (2), pp 141-149	Feb 2020.	1	1	
3	Electronics & Telecommunication	Mutual Coupling Reduction between Closely Spaced Microstrip Patch Antenna Using Modified Triangular 2x2 MIMO with Stub	Dr. A. N. Gaikwad	JETIR, UGC approved journal no 6397, impact factor 5.87 Volume 6 Issue 6, pp 23-29	June 2019	-	-	
4	Electronics & Telecommunication	Compact slot-loaded ultra-wideband multiple input multiple-output antenna with	Dr. Vasif Ahmed	International Journal of Radio Frequency Microwave Computer Aided Engg. , Wiley Periodicals , pp	Oct, 2019	1	2	

		fractal inspired isolator		1-9			
5	Electronics & Telecommunication	Smart walker for the assistance of elderly and handicapped people	Prof. K. M. Punwatar	International journal of advance Research and innovative ideas in education, Volume-6 Issue-3 2020	2020	-	-

v. Faculty participation in Seminars/Conferences and Symposia during 2019 2020:

No. of Faculty	International level	National level	State level	Local level
CIVIL Engineering				
Attended Seminars/ Workshops	02	6	NIL	02
Presented papers	01	NIL	NIL	NIL
Resource Persons	02	03	NIL	NIL
Mechanical				
Attended Seminars/ Workshops	NIL	24	NIL	NIL
Presented papers	NIL	NIL	NIL	NIL
Resource Persons	NIL	NIL	NIL	NIL
Electronics & Telecommunication Engineering				
Attended Seminars/ Workshops	03	06	21	02
Presented papers	NIL	NIL	NIL	NIL
Resource Persons	NIL	01	NIL	NIL
Computer Science & Engineering				
Attended Seminars/ Workshops	01	15	20	08
Presented papers	01	NIL	NIL	NIL
Resource Persons	NIL	02	NIL	NIL
Total				
Attended Seminars/ Workshops	06	51	41	12
Presented papers	02	NIL	NIL	NIL
Resource Persons	01	06	NIL	NIL

vi. Awards and recognition received for extension activities from Government and other recognized bodies during 2019 2020

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited

Python for Data Science- Swayam NPTEL course (Dr. N. P. Jawarkar)	Awarded ELITE Silver category with 81% score	Swayam NPTEL SWAYAM NPTEL Online Certification (IIT Madras)	40
Introduction to Internet of Things – Swayam NPTEL course (Dr. Vasif Ahmed)	Awarded ELITE Silver category(Topper 5%) with 82% score	Swayam NPTEL SWAYAM NPTEL Online Certification (IIT Kharagpur)	10
Research Paper presentation (Dr. R. J. Bhiwani)	Best Paper of Session	IEEE 5 th IntlConf on Computing, Comm., Control and Automation (ICCUBEA), Pune	
4 th merit (Mr.Munsif Ahmed – 4U)	B.E. (Electronics & Telecomm. Engg.) (2018-19 Batch)	SGB Amravati University Merit List (Announced in Oct 2019)	
7 th Merit (Ms.Priyanka B. Pophalkar-4U)	B.E. (Electronics & Telecomm. Engg.) (2018-19 Batch)	SGB Amravati University Merit List (Announced in Oct 2019)	
1 st rank – Research Project (PPG Category) (V. G. Nagalkar – PhD student)	14 th Maharashtra State Interuniversity Avishkar Research Convention-2019-20	Mumbai University	
1 st Prize (Nikhil Chourasia – 3EE)	Pragya-2020:National Level Technical Fiesta Event: CS-GO	SGGS Institute of Engineering and Technology, Nanded	
1 st Prize (Nikhil Chourasia – 3EE)	Pragya-2020:National Level Technical Fiesta Event: Be an entrepreneur	SGGS Institute of Engineering and Technology, Nanded	

vii. Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swatch Bharat, Aids Awareness, Gender Issue, etc. during 2019 2020.

Sr.No	Name of the Department	Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated such activities	Number of students participated in such activities
1	Computer Science & Engineering	Transport Department	IE(I)	Guidance about Rules & Regulations of Transport	01	60
2	Computer Science & Engineering	Department of CSE , BNCOE , Pusad	IE(I)	Quiz on COVID -19 and Safety Awareness	01	808
3	Computer Science & Engineering	Unnat Bharat Abhiyan , Govt.of India	UBA	Anti Plastic Campaien under UBA	01	25
4	Computer Science & Engineering	Unnat Bharat Abhiyan , Govt.of India	UBA	Republic Day Celebration Village-Yeranda	01	15
5	Computer Science & Engineering	Unnat Bharat Abhiyan , Govt.of India	UBA	Maintenance of Solar Light	01	5
6	Electronics & Telecommunication	Unnat Bharat Abhiyan under MHRD, New Delhi	Unnat Bharat Abhiyan Cell B. N. College of Engineering, Pusad	Anti-Plastic Campaign (Oct 2019)- All adopted villages	11	120
7	NSS	Whatsapp group with farmers of adopted villages under UBA (Agriculture related Advisory and Pandemic Precautions Campaign)	Unnat Bharat Abhiyan Cell, BNCOE and KrushiVigyanan Kendra		10	--
8	NSS	Anti-plastic Campaign at adopted villages under UBA(Oct 2019)	Unnat Bharat Abhiyan Cell		10	120
9	NSS	Republic day celebrations and interactions with villagers at	Unnat Bharat Abhiyan		06	30

		adopted villages (26/01/2020)				
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viii. Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during 2019 2020

Sr.No	Name of the Department	Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	participant
01	Civil Engineering	Training Program	AutoCAD Training Program	Astral Informatics (P) Ltd	01st July 2019-14 th Aug 2019	88
02	Civil Engineering	Training Program	STAAD. Pro Training Program	Astral Informatics (P) Ltd	23rd Sept.2019-12 th Oct. 2019	34
03	Mechanical Engineering	On Job Training	“Design Training” under Design Training Placement Platform Program	Indo Vidarbh Tool Room (IVTER), Akola +91 8208021018	July 2019 to April 2020	50
04	Computer Science & Engineering	Training	ImageEquip Training & Consulting Gurgaon	ImageEquip Training & Consulting Gurgaon	23/09/2019 to 26/09/2019	73
05	Computer Science & Engineering	Workshop	ImageEquip Training & Consulting Gurgaon	ImageEquip Training & Consulting Gurgaon	23/06/2020 to 24/06/2020	40
06	Computer Science & Engineering	Webinar	Vision Unified Services	Vision Unified Services	27/06/2020	82
07	Exploration of Research work by Institute in collaboration with ISRO	ISRO RESPON D Programme-Interest Exploration Meeting	SAC, Ahmedabad & SGBAU	13 th July 2019	Dr. N.P. Jawarkar, Vasif Ahmed and Dr. A. N. Gaikwad	
08	Expert talk	“Role of Sensors in Automation”	Skill Development & Training Cell, College of Dairy Technology, Warud, Pusad	29 th Feb 2020	Prof. S. S. Patil	
09	Expert talk	"Introduction of Fuzzy	Skill Development & Training Cell, College of Dairy	8 th March 2020	Prof. N. P. Jawarkar	

		Logic and Neural Network”	Technology, Warud, Pusad			
10	Reviewer	Reviewing of Research Papers	International Journal of Speech Technology.	June 2020	Prof. N. P. Jawarkar	
11	Vice-Chairman	Conduction of activities under IETE	IETE subcentre Yavatmal		Prof. R. J. Bhiwani	
12	chaired Session	4 th Intl Conference on Computing in Engineering & Tech.,	University Dept of Electronics & Telecom Engg. Dr B. A. T. U., Lonere & DIEMS Aurangabad	9-11 2019	Prof. A. N. Gaikwad	
13	co-officer (university examination)	Co-officer, university examination on Conduction winter 2019	SGBAU and Sanmati Engg. College, Washim	Winter 2019	Prof. S. S. Patil	
14	Resource Person (AICTE – FDP)	Keynote Address and Expert lecture in AICTE sponsored FDP	Govt. Engineering College Chandrapur	19th to 28th December 2019.	Dr. Sudhir Akojwar	
15	Resource Person (AICTE – FDP)	Expert lecture in AICTE sponsored FDP	VNIT Nagpur	19th to 28th Dec 2019.	Prof. Dr. K. M. Bhurchandi	
16	Resource Person (AICTE – FDP)	Expert lecture in AICTE sponsored FDP	R & D Engineer, Intel’s AI Products Group, Bangalore	19th to 28th December 2019.	Mr. Sagar Akotkar	
17	Resource Person (AICTE – FDP)	Expert lecture in AICTE sponsored	Managing Director, Inditech Electrosystems Pvt . Ltd, Pune	19th to 28th December 2019.	Mr. Vijay P Badhe	

		FDP				
18	Resource Person (AICTE – FDP)	Expert lecture in AICTE sponsored FDP	Sreenidhi Institute of Science and Technology, Hyderabad	19th to 28th December 2019.	Dr. S. I. Khan	
19	Resource Person (AICTE – FDP)	Expert lecture in AICTE sponsored FDP	Electronics & Tele. Comm. Dept., SGGS Institute of Tech. & Engg., Nanded	19th to 28th December 2019.	Prof. Dr. Manesh B Kokare	
20	Resource Person (AICTE – FDP)	Expert lecture in AICTE sponsored FDP	Electrical Engineering Department, IIT Indore	19th to 28th December 2019.	Prof. Dr. Ram Bilas Pachori	
21	Resource Person (AICTE – FDP)	Expert lecture in AICTE sponsored FDP	Technical Architect, Image and Video Analytics, Tata Consultancy Services, Pune	19th to 28th December 2019.	Dr. Amol Madane	
22	Resource Person (AICTE – FDP)	Expert lecture in AICTE sponsored FDP	Research Scholars, VNIT Nagpur	19th to 28th December 2019.	Mr. Santosh Sabat and Mr. Prashant Raut	

Session 2020-21

i. Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

Sr.No.	Name of the workshops / seminars	Number of Participants	Date (From -to)	Link to the activity report on the website
01	Employment Enrichment during and post COVID-19	34	23/06/2020 to 24/06/2020	
02	Webinar on HR Training & Interview Etiquettes	72	27/06/2020	
03	ISTE approved Short Term Training Program on IoT and Big	81	04/07/2020 to 08/07/2020	

	Data Analytics			
04	Webinar on Benefits of GATE Exam	54	28/09/2020	

ii. Number of Ph.Ds registered per eligible teacher during the year

Sr. No.	Name of the Ph.D scholar	Name of the Department	Name of the guide/s	Qualification (Ph.D./D.M/M.Ch./D.N.B Super speciality/D.Sc./D.Lit.) and Year of obtaining	Whether recognised as research Guide for Ph.D./D.M/M.Ch./D.N.B Super speciality/D.Sc./D.Lit.	Year of award of Ph.D	Title of the thesis for scholar
1	SheetalVBukawar	EXTC	Vasif Ahmed	PhD and 2012	Yes	2020	Multiple I/P Multiple O/P Fractal Antenna Design For Multiband And Wideband Application
2	Vaibhav R. Pandit	EXTC	Dr. R. J. Bhiwani	PhD and 2011	Yes	2020	Development of algorithm for fusion of remote sensing images
3	Pandit T Yewale	EXTC	Dr S N Dandare	PhD and 2015	Yes	*	Antenna design for Wireless power Transfer in RF Harvesting
4	Geeta T Desai	EXTC	Dr Abhay N Gaikwad	PhD and 2012	Yes	*	Study of microwave Remote sensing for Soil and vegetation Characteristics
5	Narendra N Khaire	EXTC	Vasif Ahmed	PhD and 2012	Yes	*	Investigative study for cost-effective techniques to improve accuracy of weather forecast in remote rural India regions
6	Kader B Shaikh	EXTC	Dr. N. P. Jawarkar	PhD and 2015	Yes	*	Study on anomaly detection for fault identification in industrial machines

7	Avinash B Lambat	EXT C	Dr. R. J. Bhiwani	PhD and 2011	Yes	*	Design of Robust Face anti-spoofing detection system
8	Ku Khushbu R Khandait	Department of Computer Science & Engineering	Dr.Sohel A. Bhura	Ph.D.	Yes		EFFICIENT QUESTION GENERATION SYSTEM USING SUPERVISED LEARNING
9	Shri Ankit R Mune	Department of Computer Science & Engineering	Dr.Sohel A. Bhura	Ph.D.	Yes		EXTREME LEARNING APPROACH FOR HETEROGENEOUS DATA USING UNSUPERVISED MULTIPLE KERNEL
10	Shri Gajanan P Arsalwad	Department of Computer Science & Engineering	Dr.Sohel A. Bhura	Ph.D.	Yes		DESIGN OF BLOCKCHAIN ENABLED PROTOCOL FOR INTERNET OF MEDICAL THINGS (IoMT) INTERGRATED WITH GLOBAL STAKEHOLDERS

1 1	Shri Samir N Ajani	Department of Computer Science & Engineering	Dr.Salim Y. Amdani	Ph.D.	Yes		PROBABILISTIC PATH PREDICTION USING OBSTACLE TRAJECTORY DETECTION OVER DYNAMIC ENVIRONMENT
1 2	Ku Pornima B Niranjane	Department of Computer Science &Engineering	Dr.Salim Y. Amdani	Ph.D.	Yes		AN EFFICIENT ALGORITHM FOR FINDING TOP-K SHORTEST PATHS
1 3	Shri Syed Saad Husain	Department of Computer Science & Engineering	Dr.Salim Y. Amdani	Ph.D.	Yes		EMOTION BASED MODEL FOR OPTIMAL SENTIMENT CLASSIFICATION
1 4	Ku Namita N Parati	Department of Computer Science & Engineering	Dr.Salim Y. Amdani	Ph.D.	Yes		DESIGN AND ANALYSIS OF NETWORK TRAFFIC CLASSIFICATION FOR CYBER SECURITY USING AI TECHNIQUES

iii. **Number of research papers per teachers in the Journals notified on UGC website during the year-09**

Sr. No.	Title of paper	Name of the author /s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number	Link to the recognition in UGC enlistment of the Journal
1	An Experimental Investigation on Fine Crushed Recycled Construction Dismantling Waste & Course Fly Ash Aggregate Geopolymer Concrete”	Dr.K. Ravi	Civil	International Journal of Grid and Distributed Computing , Vol. 14 No. 1 (2021)	2021		
2	Multispectral to Panchromatic Image Fusion based on Morph-ological Extended-Half-Gradient	Dr. R. J. Bhiwani	EXTC	Journal of Indian Society of Remote Sensing, Springer, Vol 48	2020	e-ISSN No. 0974-3006	Scopus Indexed
3	Morphology-based spatial filtering for efficiency enhancement of remote sensing image fusion	Dr. R. J. Bhiwani	EXTC	Elsevier’s, Journal of Computers & Electrical Engineering, Vol 89	2021	ISSN: 0045-7906	Scopus Indexed
4	"Design and Development of a Communication framework for Mobile node in a Clustered Environment using AI and Machine learning", IJGDC Vol. 13, No. 1, (2020), pp. 2084 – 2094	DR. S. Y. Amadani	Department of Computer Science & Engineering	International Journal of Grid and Distributed Computing	2020	ISSN: 2005-4262	http://sersec.org/journals/index.php/IJGDC/article/view/29093
5	"Designing of Advance Cyber Security Solution using AI Techniques: WEBSTUXCRY", IJGDC Vol. 13, No. 2, (2020), pp. 261 – 269	DR. S. Y. Amadani	Department of Computer Science & Engineering	International Journal of Grid and Distributed Computing	2020	ISSN: 2005-4262	http://sersec.org/journals/index.php/IJGDC/article/view/31640
6	"A Survey of Recent Applications of Improved Dijkstra’s Shortest Path Algorithm", (IRJET) Volume 7, Issue 11, November 2020 Sr. No 200	DR. S. Y. Amadani	Department of Computer Science & Engineering	International Research Journal of Engineering and Technology (IRJET)	2020	ISSN 2395-0056	https://www.irjet.net/archives/V7/i11/IRJET-V7I11200.pdf

7	"A Survey of Recent Applications of Improved Dijkstra's Shortest Path Algorithm", (IRJET) Volume 7, Issue 11, November 2020 Sr. No 200	Prof. P.B. Niranjane	Department of Computer Science & Engineering	International Research Journal of Engineering and Technology (IRJET)	2020	ISSN 2395-0056	https://www.irjet.net/archives/V7/i11/IRJET-V7I11200.pdf
8	Agent-Based Path Prediction Strategy (ABPP) for Navigation Over Dynamic Environment	DR. S. Y. Amadani	Department of Computer Science & Engineering	Springer	2021	ISBN 978-981-16-1119-3	https://doi.org/10.1007/978-981-16-1119-3_16
9	A Modified EDDKA Routing Approach to Enhance Quality of Service(QoS)- Enabled Data Dissemination in VANETs	DR. S. Y. Amadani	Department of Computer Science & Engineering	Springer	2021	ISBN 978-981-15-7421-4	https://doi.org/10.1007/978-981-15-7421-4_24

iv. Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during year--03

Sr. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	:National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	K. M. Punwarkar		A Novel Approach for Finding Invasive Ductal Carcinoma using Machine Learning	Lecture Notes in Networks and Systems, vol 204	5th Intl Conference on Inventive System and Control (ICISC 2021)	International	2021	978-981-16-1395-1_6	Babasaheb Nair College of Engineering, Pusad	Springer, Singapore

			g Learnin g							
2	Dr. A. N. Gaikwad		The Ground Based Scaterr ometer For Agricul ture Applica tions	Advances in Intelligent Systems and Computin g, vol 1372	Intl Conf. on Innovations in Bio- Inspired Computing & Applications IBICA 2020	Inter natio nal	20 21	978-3- 030- 73603- 3_37	Babasa hebNai k Colleg e of Engine ring, Pusad	Springer, Cham.
3	Prof. P.B.Nir anjane	Lecture Notes in Networks and Systems	A Novel Approa ch for Finding Invasiv e Ductal Carcino ma Using Machin e Learnin g	Inventive Systems and Control Proceedin gs of ICISC 2021	5th International Conference on Inventive Systems and Control (ICISC 2021)	Inter natio nal	20 21	ISSN 2367- 3370/ ISBN 978- 981- 16- 1394-4	JCT Colleg e of Engine ring and Techno logy, Coimb atore, India	Springer Nature Singapore Pte Ltd.

v. Number of students participating in extension activities at 3.4.3. above during year-

Sr. No.	Name of the activity	Organising unit/ agency/ collaborating agency	Name of the collaborating agency: Non-government, industry, community with contact details	Name of the scheme	Year of the activity	Number of students participated in such activities	Number of teachers participating in such activities
1	Techno-Rural Vision Competition (National Level – online)	Unnat Bharat Abhiyan Cell, BNCOE, Pusad	Unnat Bharat Abhiyan Headquarters, New Delhi	Unnat Bharat Abhiyan	2020	30	10
2	Agricultural and animal husbandry Advisory Information	Unnat Bharat Abhiyan Cell, BNCOE, Pusad	Kisan Vigyan Kendra (KVK) Sangvi, Darhwa	Unnat Bharat Abhiyan	2020 onwards	05	04
3	Gram Arogya Health Awareness Information	Unnat Bharat Abhiyan Cell, BNCOE, Pusad	Unnat Bharat Abhiyan Headquarters, New Delhi	Unnat Bharat Abhiyan	2020	05	04

vi. Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Year of collaboration	Duration (From--- to)
1	Workshop	ImagEquip Training & Consulting Gurgaon	34	2020	23/06/2020 to 24/06/2020
2	Web design development/ethical hacking , 3D printing & modeling, Graphics Designing ,Big Data Analytics	Microsoft , USA	(8)	2020	Jan-2021 to till continue
3	Internship	Novisync Solutions India Pvt Ltd 11-9-28 Plot No 62 DASPALLA HILLS VISAKHAPATTAM AP 530002	47	2020	March-2020 to December 2020
4	Artificial Intelligence, Big Data Analyst, Cloud Computing	Microsoft USA	43	2020	Jan-2021 to till continue

vi.	Mechanism / Norms and Procedure for democratic / good Governance	<p>Institute's governance is decentralized with various bodies, committees, councils, cells, departments covering all the stakeholders representation in the teams with team spirit to achieve its vision and mission statements. All the teams oversees all academic matters based on inputs received from all stakeholders and Implementation of the resolutions to the letters and spirit as per the plan enumerated by the committees not only to achieve the vision and mission and goals of the institute but also in building the organizational culture and serving the society. The institute conducts internal and external financial audits with approved chartered accountant regularly and display on the college website regularly. Funds/grants received from various sources are well maintained & audited with clear policy of Mobilization of funds and Resources optimal utilization. The professional acumen of top management has resulted in unique synergy between Management, Principal, Deans, HoDs and faculty for continual improvement in quality policy with perspective/Strategic plan as envisaged and monitored through the Quality Management Systems such as ISO 9001:2008, and IQAC with e-governance in areas of planning and development, Administration, Finance & Accounts, Student Admission & support Examination. The institution has effective welfare measures for teaching staff, supporting staff and students with Grievance Redressal Mechanism. The Institution has Performance Appraisal System for teaching and non-teaching staff with faculty's self appraisal and students' feedback about faculty as components for appraisal. Recently Established IQAC: Aims to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance with the defined functions and strategies.</p>
vii	Students Feedback in Institutional Governance / Faculty performance	<p>Feedback over the performance of faculty from students is taken every semester on the basis of punctuality, presentation skills, preparation of lecture, course coverage, concepts and principles understandable, guidance, encouragement and motivation, etc. Suggestion boxes are kept at strategic locations for collecting student's suggestions/complaints which are checked at regular intervals and appropriate actions are</p>

		taken.
viii	Grievance Redressal Mechanism for Faculty , Staff and students	- For faculty and staff Grievances redressal is done through teaching and Non Teaching Staff representatives of CDC / Governing body. - For students, grievance committee exists through which the students' problems are solved.

ix. . Establishment of Anti-Ragging Committee :

With reference to the AICTE notification no. F. No. 37-3/Legal/AICTE/2009 dated 01 July 2009, under Section 6(a) and 6(b) as well as UGC regulation of 2009, on curbing the menace of ragging in the higher educational institutions, the following Anti-Ragging Committee (ARC) is constituted, valid till 31st March, 2023.

Babasaheb Naik College of Engineering, Pusad				
Anti-Ragging Committee 2020-21				
Ref.No. Admn/Anti-Ragg/ 30-B/ 2021			Dt. 20/01/2021	
Sr.No	Post	Name	Address	Contact No.
1	Chairman	Dr.Avinash Wankhade	Principal	9923266688
2	Civil Administration	Dr.Vyankat Rathod	SDO	8275036999
3	Police Administration	Mr.Ravindra Jedhe	Police Inspector, Vasantnagar, Pusad	9588408435
4	Local Media	Prof.Dinkar Gulhane	Dainik Sakal, Motinagar,Pusad	9822767489
5	NGO (Youth Activities)	Adv.A.P.Mahamune	Professor Colony,	07233-246585
6	Faculty Representative	Prof.P.B.Pawar	Rector	9588640784
		Prof.V.V.Dongonkar	Tirupati Park	9922223701
		Prof.G.K.Gattani	Engg.College Campus	9422157493
		Prof.Ms.M.A. Jiwani	Girls Hostel	9420682288
7	Parent Representative	Mr.Sanjay C. Khadare	Mahagaon	8605368184
		Dr.Dipak Bhalekar	Banjara Colony,Pusad	8080063184

		Mr.JiteshP. Sangani	Mungsaji Nagar,Pusad	9822235205
		Mr.Shivkumar Modi	Devi Ward,pusad	8208729664
		Mr.Adib Ahmed	BNCOE,Campus,Pusad	9764996741
8	Fresher Students	Ms. Sandhya C. Khandare	Section-A-14	7083586459
		Ms. Aditi R. Deshmukh	Section-A-01	7888078018
		Mr. Abhishek Rathod	Section-A-24	9022615671
		Mr. Tejas V. Sarane	Section-A-52	8421337730
9	Senior Student	Mr.Raju Y.Waghmare	4M	9146517400
		Mr.Rituraj Bhalekar	2R	9156792980
		Mr.VedantS.Bhutada	4C	8805015265
		Mr.SiddharthV.Bansode	3U	9075476971
		Ms. Rohini S. Gaikwad	3C-11	9767922861
10	Supporting Staff	Mr.R.S.Kalbande	Vivekanand Colony	9763791527
		Mr.Sharad Raut	Green park colony II	9657516996
		Ms.SavitaBonde	Green Park -I	9405907458

x. On line Grievance Redressal Committee :

(As per AICTE Notification No. F.No.37-3/ Legal/2012, dated 25th May,2012.
Regulation 2012, Clause 2))

Sr.No.	Name of Committee Member	Position	Designation	Address
01	Dr. Avinash Wankhade	Chairperson	Principal	Babasaheb Naik College of Engineering, Pusad
02	Dr. R. J. Bhiwani	Member	Head of Department	
03	Prof. S.Z. Zambani	Member	Head of Department	
04	Dr. Suresh S. Asole	Member	Head of Department	
05	Prof. Ms. P.B.Niranjane	Member	Assistant Professor	

**xi. Establishment of Grievance Redressal Committee (OMBUDSMAN) appointed by University
(Ref.No. SGBAU/8/C-203/2013 dated 29/01/2013)**

Sr.No	Name	Position
1	Dr A B Marathe	Chairman
2	Prof. P S Pachgade	Member
3	Prof. J P Kaware	Member
4	Dr R D Raut	Member
5	Dr N S Koli	Member

xii. Internal Complaint Committee (ICC) :

With reference to the UGC Regulation 2015 (for Prevention, prohibition and redressal of sexual harassment of women employees and students in higher educational institutions) at the workplace and as per section 4 of AICTE Regulation 2016 vide no. AICTE/WH/2016/01 dated 10th June 2016, an Internal Complaints Committee (ICC) has been constituted.

The new Internal Complaint Committee of Institute would be as follows, the period of the committee will be till 31st March 2023 or till next revision whichever is earlier.

Sr. No.	Name	Designation
01	Prof. Ms. P. B. Niranjane	Chairman
02	Shri N. B. Hirnai	Member, JSPM
03	Prof. Ms. M. A. Jiwani	Member
04	Prof. V. M. Mudpe	Member
05	Ms. Savita V. Bonde	Member
06	Mr. S. P. Pathe	Member
07	Mrs. Sunita Pradip Halde	Member (NGO)
08	Adv. Sau.Suman Tukaram Chandel	Member (Legal Advisor)
09	Ms. Rohini S. Gaikwad	Members –Girl Students (3 C)
10	Ms. Sandhya C. Khandare	Member- Girl Students (1 A)
11	Mr. Raturaj Dipak Bhalekar	Member- Boys Students (2 R)

**xiii. To Prevent the Commission of Atrocities against the members of SC / ST as per the Act 1989,
dated 11-09-1989.**

Sr.No.	Name of Committee Member	Position
01	Prof.	Chairman
02	Prof. J. G. Ingle	Member
03	Prof. Ms. P. B. Niranjane	Member
04	Prof. S. T. Khandare	Member
05	Ms. Savita V. Bonde	Member

xiv. Establishment of Internal Quality Assurance Cell

With reference to the guidelines of National Assessment and Accreditation Council (NAAC), on pursuance of its action plan for performance evaluation, assessment, and accreditation as well as quality up-gradation of the institutions of higher education, an Internal Quality Assurance Cell has been constituted as follows, valid till 31st May 2023.

The composition of Internal Quality Assurance Cell (IQAC) of the institute is constituted (as per Mah. University Act. 2016) as below.

SN	Name	Designation	Composition
1	Dr. Avinash Wankhade	Principal	Chairperson
2	Shri Suresh M. Jadhav	Member	JSPM, Management
3	Dr. Vasif Ahmed	Dean R & D	Sr. Administrative Officers
4	Prof. S. S. Zambani	Head Civil Engg.	
5	Dr. A. N. Gaikwad	NBA Cell	
6	Dr. S. S. Bhagwat	T & P Cell	Teachers
7	Dr. S. S. Asole	Head, CSE & IT	
8	Prof. J. G. Ingle	Head, Mech. Engg	
9	Prof. R. P. Godbole	Head, Humanity Sc.	
10	Prof. S. S. Zambani	Prof. I/c., Library	
12	Dr. N. A. Charniya	Faculty	
13	Prof. Ms. P. B. Niranjane	Prof. I/c, Woman Grievance Cell	
14	Prof. K. M. Punwatkar	Faculty	

15	Dr. S. H. Mahure	Member	Society
16	Prof. S. A. Chintamani	Member	Alumni
17	Prof.Dr. Premsingh A. Rathod	Member	Stakeholder
18	Mr. Kiran Chilatre	Member	Industry
19	Mr. Avinash Munde	Member	Industry
20	Dr. K. Ravi	Member	Coordinator, IQAC

6. Programmes :- Engineering & Technology (UG & PG)

- **Name of Course approved by AICTE**

Sr.No.	Course	UG/ PG	Intake Capacity
01	Civil Engineering	UG	120
02	Mechanical Engineering	UG	60
03	Computer Sc. & Engineering	UG	60
04	Electrical (Electronics & Power) Engineering	UG	30
05	Artificial Intelligence & Data Science	UG	60
06	Structural Engineering (Civil Engg.)	PG	18
07	CAD/ CAM (Mechanical Engg)	PG	09
08	Digital Electronics	PG	09
09	Computer Sc. & Engineering	PG	09

- **Name of Programmes accredited by NBA : NIL**

- **Status of Accreditation of the Courses : NAAC**

Sr.No.	Total No. Courses	No. of Courses for which applied for Accreditation	Status of Accreditation
01	09	09	NAAC Accredited with 'B' Grade up to 27 th March,2024

- For each Program the following details are to be given:

- Name – Engineering and Technology – 09 Course

		2020-21	2019-20	2018-19
Name of Course		Civil Engineering (UG)		
No. of seats		60		
Duration		4 Years		
Cutt-off Marks		2.0173884	26.1885967	42
Fees in Rs.		91000/-	80000/-	80000/-
Placement Facilities		1. Conference Hall 2. Interview Hall 3. Mini conference room 4. Lab facility for conducting online exam		
Campus Placements				
1	No. of placed students	02	Nil	36
2	Minimum Salary	1.98 LPA	Nil	1.20 LPA
3	Maximum Salary	10.00 LPA	Nil	3.42 LPA
4	Average Salary	5.99 LPA	Nil	2.28 LPA
Name of Course		Mechanical Engineering (UG)		
No. of seats		60		
Duration		4 Years		
Cutt-off Marks		43.4221623	25.64	31
Fees in Rs.		91000/-	80000/-	80000/-
Placement Facilities		1. Conference Hall 2. Interview Hall 3. Mini conference room 4. Lab facility for conducting online exam		
Campus Placement				
1	No. of placed students	53	16	166
2	Minimum Salary	1.44 LPA	1.38 LPA	1.20 LPA
3	Maximum Salary	10.00 LPA	3.36 LPA	3.42 LPA
4	Average Salary	2.54 LPA	1.51 LPA	1.65 LPA

Name of Course		Computer Sc. & Engineering (UG)		
No. of seats		60		
Duration		4 Years		
Cutt-off Marks		12.02	26.39	44
Fees in Rs.		91000/-	80000/-	80000/-
Placement Facilities		1. Conference Hall 2. Interview Hall 3. Mini conference room 4. Lab facility for conducting online exam		
Campus Placement				
1	No. of placed students	03	18	45
2	Minimum Salary	3.11 LPA	1.38 LPA	1.20 LPA
3	Maximum Salary	10.00 LPA	3.75 LPA	4.20 LPA
4	Average Salary	5.91 LPA	2.08 LPA	1.80 LPA

Name of Course		Electrical (Electronics & Power) (UG)		
No. of seats		30		
Duration		4 Years		
Cutt-off Marks		9.74	65.99	39
Fees in Rs.		91000/-	80000/-	80000/-
Placement Facilities		1. Conference Hall 2. Interview Hall 3. Mini conference room 4. Lab facility for conducting online exam		
Campus Placement				
1	No. of placed students	04	24	27
2	Minimum Salary	1.38 LPA	1.38 LPA	1.20 LPA
3	Maximum Salary	3.39 LPA	1.38 LPA	3.42 LPA
4	Average Salary	1.88 LPA	1.38 LPA	1.59 LPA

Name of Course		Artificial Intelligence & Data Science (UG)		
No. of seats		60		
Duration		4 Years		
Cutt-off Marks		1.64	--	--
Fees in Rs.		91000/-	--	--
Placement Facilities		1. Conference Hall 2. Interview Hall 3. Mini conference room 4. Lab facility for conducting online exam		
Campus Placement				
1	No. of placed students	Nil	Nil	Nil
2	Minimum Salary	--	--	--
3	Maximum Salary	--	--	--
4	Average Salary	--	--	--

Name of Course		Information Technology (UG)		
No. of seats		<i>Branch Closed</i>		
Duration		4 Years		
Cutt-off Marks		--	--	--
Fees in Rs.		91000/-	80000/-	80000/-
Placement Facilities		1. Conference Hall 2. Interview Hall 3. Mini conference room 4. Lab facility for conducting online exam		
Campus Placement				
1	No. of placed students	02	01	06
2	Minimum Salary	3.00 LPA	1.38 LPA	1.20 LPA
3	Maximum Salary	3.08 LPA	1.38 LPA	1.20 LPA
4	Average Salary	3.04 LPA	1.38 LPA	1.20 LPA

Name of Course		Structural Engineering (PG)		
No. of seats		18		
Duration		2 Years		
Cutt-off Marks				
Fees in Rs.		98000/-	111000/-	111000/-
Placement Facilities		1. Conference Hall 2. Interview Hall 3. Mini conference room 4. Lab facility for conducting online exam		
Campus Placement				
1	No. of placed students			
2	Minimum Salary			
3	Maximum Salary			
4	Average Salary			

Name of Course		CAD /CAM Mechanical Engg. (PG)		
No. of seats		09		
Duration		2 Years		
Cutt-off Marks				
Fees in Rs.		98000/-	111000/-	111000/-
Placement Facilities		1. Conference Hall 2. Interview Hall 3. Mini conference room 4. Lab facility for conducting online exam		
Campus Placement				
1	No. of placed students			
2	Minimum Salary			
3	Maximum Salary			
4	Average Salary			

Name of Course		Digital Electronics (PG)		
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No. of seats		09		
Duration		2 Years		
Cutt-off Marks				
Fees in Rs.		98000/-	111000/-	111000/-
Placement Facilities		1. Conference Hall 2. Interview Hall 3. Mini conference room 4. Lab facility for conducting online exam		
Campus Placement				
1	No. of placed students			
2	Minimum Salary			
3	Maximum Salary			
4	Average Salary			

Name of Course		Computer Sc.& Engg. (PG)		
No. of seats		09		
Duration		2 Years		
Cutt-off Marks				
Fees in Rs.		98000/-	111000/-	111000/-
Placement Facilities		1. Conference Hall 2. Interview Hall 3. Mini conference room 4. Lab facility for conducting online exam		
Campus Placement				
	Session	2018-19	2019-20	2020-21
1	No. of placed students	305	63	65
2	Minimum Salary	1.20 lpa	1.38lpa	1.98lpa
3	Maximum Salary	4.20lpa	3.75lpa	10lpa
4	Average Salary	1.80lpa	2.08lpa	5.9 lpa

- Name and duration of programme(s) having Twinning and collaboration with Foreign University(s) and being run in the same campus alongwith the status of their AICTE approval : NIL
- Foreign Collaboration : NIL

7. Faculty :

List of Faculty UG/PG for the Session 2021-22

Sr. No.	Name of Faculty	Designation (Present)	Qualification	Course	Remark
Course :- B. E. Mechanical Engg..					
01	Dr.A.M.Wankhade	Principal	Ph. D.	UG	
02	Dr. H. B. Nanvala	Associate Professor	Ph. D.	UG	
03	Prof. M.S.Khan	Associate Professor	M. E.	UG	
04	Prof. G. K. Gattani	Associate Professor	M. E.	UG	
05	Prof. V.V.Dongaonkar	Associate Professor	B. E.	UG	
06	Prof. M.A.Ali	Associate Professor	B. E.	UG	
07	Prof. J.G.Ingle	Associate Professor	M. E.	UG	
08	Dr. K.K. Jadhao	Associate Professor	Ph.D.	UG	
09	Dr. S. S. Bhagwat	Associate Professor	Ph.D.	UG	
10	Prof. R.P.Godbole	Associate Professor	M. Sc., M. Phil	First Yr.& Other	
11	Prof. S.G.Labshetwar	Associate Professor	M. E.	First Yr.& Other	
12	Mr. S.A.Chintamani	Asstt. Professor (Ad-hoc)	M. E.	First Yr.& Other	
13	Prof. S. J. Rajpal	Associate Professor	M.Tech.	PG	

Sr. No.	Name of Faculty	Designation (Present)	Qualification	Course	Remark
14	Mr.A.B.Dighewar	Asstt. Professor (Ad-hoc)	M. E.	PG	
Course :- B. E. Civil Engg..					
15	Dr. K. Ravi	Professor	Ph. D.	UG	
16	Dr. S.H.Mahure	Associate Professor	Ph. D.	UG	31/07/2021
17	Prof. S.S.Zambani	Associate Professor	M. E.	UG	
18	Prof. J.H.Verma	Associate Professor	M. E.	UG	31/07/2021
19	Mr.Anil S. Gadewar	Asstt. Professor (Ad-hoc)	M E	UG	
20	Mr.Zeeshan Adib Ahmed	Asstt. Professor (Ad-hoc)	M E	UG	
21	Ms.Pronima P.Naik	Asstt. Professor (Ad-hoc)	M E	UG	
22	Ms.Prashansha S.Jaiswal	Asstt. Professor (Ad-hoc)	M E	UG	
23	Mr.Vivek V.Burshe	Asstt. Professor (Ad-hoc)	B. E. M. E. (Appeared)	UG	
24	Mr.Pranav V. Chavan	Asstt. Professor (Ad-hoc)	M. E.	UG	
25	Mr.Saiyed Awesh Bashir	Asstt. Professor (Ad-hoc)	M. E.	UG	
26	Mr. Milind P. Deshmukh	Asstt. Professor (Ad-hoc)	B. E. M. E. (Pursuing)	UG	

Sr. No.	Name of Faculty	Designation (Present)	Qualification	Course	Remark
27	Mr. Manoj K. Pandey	Asstt. Professor (Ad-hoc)	B. E. M. E. (Pursuing)	UG	
28	Mr.Nitin R.Shukla	Asstt. Professor (Ad-hoc)	M.E.	UG	
29	Mr.Shyamsundar P.Heda	Asstt. Professor (Ad-hoc)	B. E. M. E. (Appeared)	UG	
30	Mr.Atul M.Tupsande	Asstt. Professor (Ad-hoc)	B. E. M. E. (Appeared)	UG	
31	Ms.Shweta C.Bhagwatkar	Asstt. Professor (Ad-hoc)	B. E. M. Tech (Appeared)	UG	
32	Mr.Akshay R.Piwaltkar	Asstt. Professor (Ad-hoc)	B. E. M. E. (Appeared)	UG	
33	Mr.Shirish S. Maske	Asstt. Professor (Ad-hoc)	B. E. M. E. (Appeared)	UG	
34	Ms.Priyanka S.Hande	Asstt. Professor (Ad-hoc)	B. E. M. Tech (Appeared)	UG	
35	Mr.Sk. Sohail Shaikh Ayyub	Asstt. Professor (Ad-hoc)	B. E. M. E. (Appeared)	UG	
36	Ms.Manisha N.Rathod	Asstt. Professor (Ad-hoc)	<u>M. Sc.</u>	First Yr.& Other	
37	Mr.Akshay I. Dethe	Asstt. Professor (Ad-hoc)	M.Sc.	First Yr.& Other	
38	Ms.Trupti Ravi Chaware	Asstt. Professor (Ad-hoc)	M.Sc.	First Yr.& Other	

Sr. No.	Name of Faculty	Designation (Present)	Qualification	Course	Remark
39	Mr.Manish G.Thakare	Asstt. Professor (Ad-hoc)	M.Sc.	First Yr.& Other	
40	Ms.Jayshri R.Shelar	Asstt. Professor (Ad-hoc)	M.Sc.	First Yr.& Other	
41	Mr.Kailas R.Borgade	Asstt. Prof. (Ad-hoc)	M.Sc.	First Yr.& Other	
42	Prof. A.C. Saoji	Associate Professor	M. E.	PG	
43	Mr. Sachin U. Rathod	Asstt. Professor (Ad-hoc)	M. E.	PG	
Course :- B. E. Electronics & Tele Engg..					
44	Dr. N.P.Jawarkar	Associate Professor	Ph. D.	UG	31/08/2021
45	Dr. R. J. Bhiwani	Associate Professor	Ph. D.	UG	
46	Prof . K.M.Punwatkar	Associate Professor	M. E.	UG	
47	Prof. Ms. M.A.Jiwani	Associate Professor	M. E.	UG	
48	Dr. N.A.Charniya	Associate Professor	Ph. D.	PG	
49	Prof. K.S.Dongare	Associate Professor	M. E.	PG	
Course :- B. E. Electrical Electronics & Power Engg..					
50	Prof. S.M.Agrawal	Associate Professor	M. E.	UG	
51	Prof. S.S.Patil	Associate Professor	M. Tech.	UG	
52	Prof.. P. D. Dudhat	Asstt. Professor	M. E.	UG	
53	Mr.Sunil V.Mukhare	Asstt. Professor (Ad-hoc)	M.E.	UG	

Sr. No.	Name of Faculty	Designation (Present)	Qualification	Course	Remark
54	Ms. Pranita V. Rathod	Asstt. Professor (Ad-hoc)	B. E. M. Tech.	UG	
55	Ms.Naina A.Gaikwad	Asstt. Professor (Ad-hoc)	M.E. (Pursuing)	UG	
56	Ms.C.V.Deshmukh	Asstt. Professor (Ad-hoc)	M.E.	UG	
57	Ms.Sapna D.Dongre	Asstt. Professor (Ad-hoc)	M.E.	First Yr.& Other	
58	Prof. A.J.Tiwari	Associate Professor	M. P.Ed. M. Phill.	First Yr.& Other	
59	Ms.V.M.Yennawar	Asstt. Professor (Ad-hoc)	M.Sc.	First Yr.& Other	
Course :- B. E. Computer Sc. & Engg..					
60	Dr. S. S. Asole	Associate Professor	Ph.D.	UG	
61	Prof. S. T. Khandare	Associate Professor	M. E.	UG	
62	Prof. P. H. Pawar	Asstt. Professor	M. E.	UG	
63	Dr.. S. A. Bhura	Asstt. Professor	Ph.D.	UG	On lien 01/08/2021
64	Prof. Ms. P.B.Niranjane	Asstt. Professor	M. Tech.	UG	
65	Prof.A.S.Dudhe	Asstt. Professor (Ad-hoc)	M. E.	UG	
66	Mr. P. B. Pawar	Asstt. Professor (Ad-hoc)	M. E.	UG	
67	Mr.Sachin D.Chavhan	Asstt. Professor (Ad-hoc)	M.E.	First Yr.& Other	


Sr. No.	Name of Faculty	Designation (Present)	Qualification	Course	Remark
68	Mr.Shrikant B.Chavhan	Asstt. Professor (Ad-hoc)	M. E.	UG	
69	Mr.D.G.Thakare	Asstt. Professor (Ad-hoc)	M.E.	UG	
70	Prof. D.D.Tatwadi	Associate Professor	M. Sc.	First Yr. & Other	31/07/2021
71	Ms.Bhuvaneshwari V.Wankhade	Asstt. Professor (Ad-hoc)	M.Sc.	First Yr. & Other	
72	Mr.Shankar Choudhari	Asstt. Professor (Ad-hoc)	M.Sc.	First Yr. & Other	
73	Dr. S. Y. Amdani	Associate Professor	Ph.D.	PG	
74	Mr. S. Y. Gawali	Asstt. Professor (Ad-hoc)	M. E.	PG	
Course :- B. E. Artificial Intelligence and Data Science					
75	Dr. Vasif Ahemad	Associate Professor	Ph. D.	UG	
76	Dr. A.N.Gaikwad	Associate Professor	Ph. D.	UG	
77	Prof.. M.A.Khan	Associate Professor	M. E.	UG	
78	Prof. V. V.Dahale	Asstt. Professor	M.E.	First Yr. & Other	
79	Mr. Amit D. Chavhan	Asstt. Professor (Ad-hoc)	M. E.	First Yr. & Other	
80	Mr.Faisal Amdani	Asstt. Professor (Ad-hoc)	M.E.	First Yr. & Other	

*** Permanent Faculty : Student Ratio ; - 1:20**

*** Number of Faculty employed during the last three years : 28**


*** Number of Faculty left during the last three years : 13**

Profile of Dr. Avinash Wankhade, Principal

Name	Dr. Avinash M. Wankhade		
Date of Birth	11 th January, 1966		
AICTE Unique ID	1-442020394		
Educational Qualification (With class / grade)	UG	B.E. (Mechanical) Ist Class	
	PG	M.E. (Tribology & Maintenance Engg), 2 nd Merit	
	Ph.D.	Mechanical	
Work Experience (In Years)	Teaching	28 Years	
	Industry	02 Years	
	Research	Nil	
	Others	Nil	
Area of Specialization	Design, Tribology		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Machine Design, IC Engine		
Research guidance Number of Students)	No. of papers published in Journals	National	Nil
		International	Nil
		Conferences	Nil
	Master (Completed / Ongoing)	03	
	Ph. D. (Completed / Ongoing)	Nil	
Project Carried out			
Patents (Filed & Granted)	Nil		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	Nil
		International	10
		Conferences	09
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / / ISA / IET		


(Signature)

Faculty profile

NAME	HAMESH BABU NANVALA		
Date of birth	19/06/1966		
AICTE Unique ID	I-459957171		
Educational Qualifications	UG- B.Tech [Mechanical] Fist class- 67%		
	PG- M.E [manufacturing Technology] First class with Honours- 8.54CGPA		
	Ph.D- Mechanical Engineering		
			
Work Experience			Teaching: 30 Years
			Industry: 03 Years
			Research: 15 Years
	Others: Outreach activities: 15 years		
Area of specialization	Manufacturing Technology		
	Scheduling of Flexible Manufacturing Systems		
	Solar energy		
Courses taught	UG - Manufacturing Processes / Manufacturing technology - Operations research , Industrial management and costing - Workshop practice, Project and Seminar		
	PG - -Flexible Manufacturing systems, Seminar and Dissertation		
Research Guidance	Masters : Completed-04 Ongoing -01		
	Ph.D. : Completed -Nil Ongoing-02		
Projects Carried out	Under MODROB scheme 2012-13, Grant in Aid received: 19,00,000/- File No.12/AICTE/RIF/MOD(POLICY-4)PVT-9/2012-13 Dt. 11/06/2013		
Patents	Filed- nil Granted: 01 (Copyright)		
Technology Transfer	Nil		
Research Publications	Number of publications in Journals	National-01	
		International-12	
	Number of publications in Conferences	National-03	
		International-04	
No. of Books published	1. Heat Transfer Analysis of Compound fins- Lambert Academic Publishing-ISBN-978-613-9-91039-7 2. Bench work and Fitting- Amazon KDP Publishing-ISBN-13:97986495-27200		
Professional Memberships	1. Life Member (LM 20944),ISTE, New Delhi 2. Member (LAM 9480), Indian Institution for Industrial Engineering (IIIE), Mumbai		


Signature

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr. Mazhar S. Khan		
Date of Birth	12/07/1966		
AICTE Unique ID	1-442020398		
Educational Qualification (With class / grade)	UG	B.E.(Mechanical Engg.) First Class	
	PG	M.E. (Thermal Engg.) First Class	
	Ph.D.	NIL	
Work Experience (In Years)	Teaching	33 years	
	Industry	NIL	
	Research	NIL	
	Others	NIL	
Area of Specialization	Heat transfer, Fluid Power& Thermal engineering.		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Heat transfer, Fluid Power, Energy conversion.		
Research guidance Number of Students)	No. of papers published in Journals	National	Nil
		International	Nil
		Conferences	Nil
	Master (Completed / Ongoing)	01	
	Ph. D. (Completed / Ongoing)	Nil	
Project Carried out	Nil		
Patents (Filed & Granted)	Nil		
Technology Transfer	Nil		
Research Publications	No. of papers published in Journals	National	Nil
		International	Nil
		Conferences	01
No. of Books published with details	NIL		
Professional Membership	ISTE / SESI		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr. Ghanshyam K.Gattani		
Date of Birth	29/09/1964		
AICTE Unique ID	1-442020482		
Educational Qualification (With class / grade)	UG	B.E. (Production Engg.) First Class	
	PG	M.E.(Manufacturing Tech.) with Distinction	
	Ph.D.	NIL	
Work Experience (In Years)	Teaching	33 Years	
	Industry	NIL	
	Research	NIL	
	Others	NIL	
Area of Specialization	Manufacturing Process , Metallurgy, Robotics		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Manufacturing Process , Engg. Metallurgy, Robotics, Automation Engg., Production Engg., Process Management, CAM.		
Research guidance Number of Students)	No. of papers published in Journals	National	Nil
		International	Nil
		Conferences	Nil
	Master (Completed / Ongoing)	07	
	Ph. D. (Completed / Ongoing)	Nil	
Project Carried out	Nil		
Patents (Filed & Granted)	Nil		
Technology Transfer	Nil		
Research Publications	No. of papers published in Journals	National	02
		International	Nil
		Conferences	02
No. of Books published with details	NIL		
Professional Membership	ISTE		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr. Vinit V. Dongaonkar		
Date of Birth	15/05/1963		
AICTE Unique ID	1-442020486		
Educational Qualification (With class / grade)	UG	B.E. (Mechanical Engg.) First Class	
	PG	NIL	
	Ph.D.	NIL	
Work Experience (In Years)	Teaching	36	
	Industry	NIL	
	Research	NIL	
	Others	NIL	
Area of Specialization	I.C.Engine,Nonconventional Energy Sources.		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	I.C.Engine, Nonconventional Energy Sources. Automobile Engg. Measurement system		
Research guidance Number of Students)	No. of papers published in Journals	National	Nil
		International	Nil
		Conferences	Nil
	Master (Completed / Ongoing)		Nil
	Ph. D. (Completed / Ongoing)		Nil
Project Carried out	NIL		
Patents (Filed & Granted)	NIL		
Technology Transfer	NIL		
Research Publications	No. of papers published in Journals	National	Nil
		International	04
		Conferences	04
No. of Books published with details	NIL		
Professional Membership	ISTE		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr. Mir Aqueel Ali		
Date of Birth	31/10/1968		
AICTE Unique ID	1-442020544		
Educational Qualification (With class / grade)	UG	B.E. (Mechanical Engg.) First Class	
	PG	NIL	
	Ph.D.	NIL	
Work Experience (In Years)	Teaching	30 years	
	Industry	NIL	
	Research	NIL	
	Others	NIL	
Area of Specialization	Refrigeration & Air conditioning, Power plant Engg.		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Refrigeration & Air conditioning, Energy conversion. Engg. Drawing, Nonconventional Energy Sources.		
Research guidance Number of Students)	No. of papers published in Journals	National	Nil
		International	Nil
		Conferences	Nil
	Master (Completed / Ongoing)		Nil
	Ph. D. (Completed / Ongoing)		Nil
Project Carried out	NIL		
Patents (Filed & Granted)	NIL		
Technology Transfer	NIL		
Research Publications	No. of papers published in Journals	National	Nil
		International	03
		Conferences	05
No. of Books published with details	NIL		
Professional Membership	ISTE /		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr Jaideep G.Ingale		
Date of Birth	07/06/1972		
AICTE Unique ID	1-442020548		
Educational Qualification (With class / grade)	UG	B.E. (Mechanical Engg.) First Class	
	PG	M.E.(CAD/CAM) First Class	
	Ph.D.	NIL	
Work Experience (In Years)	Teaching	24 years	
	Industry	NIL	
	Research	NIL	
	Others	NIL	
Area of Specialization	CAD/CAM, Theory of Machine, Machine Design.		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Machine Design. Theory of Machines, Mech. Of Material, Engg. Drawing, Comp. Software Application.		
Research guidance Number of Students)	No. of papers published in Journals	National	Nil
		International	Nil
		Conferences	Nil
	Master (Completed / Ongoing)	03	
	Ph. D. (Completed / Ongoing)	Nil	
Project Carried out	Nil		
Patents (Filed & Granted)	Nil		
Technology Transfer	Nil		
Research Publications	No. of papers published in Journals	National	Nil
		International	01
		Conferences	02
No. of Books published with details	NIL		
Professional Membership	ISTE		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Dr. Kiran K. Jadhao		
Date of Birth	13/11/1974		
AICTE Unique ID	1-442020590		
Educational Qualification (With class / grade)	UG	B.E. (Mechanical Engg.) First Class	
	PG	M.E. (Production Engg.) First Class	
	Ph.D.	Mechanical Engineering	
Work Experience (In Years)	Teaching	23 years	
	Industry	NIL	
	Research	NIL	
	Others	NIL	
Area of Specialization	Production engineering, Automobile.		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Production Management, Automobile Engg, Tool Engg, Production Technology.		
Research guidance Number of Students)	No. of papers published in Journals	National	Nil
		International	Nil
		Conferences	Nil
	Master (Completed / Ongoing)	04	
	Ph. D. (Completed / Ongoing)	Nil	
Project Carried out	NIL		
Patents (Filed & Granted)	NIL		
Technology Transfer	NIL		
Research Publications	No. of papers published in Journals	National	Nil
		International	22
		Conferences	15
No. of Books published with details	1."Experimental Analysis of Air Filter clogging for Two Wheeler " ISBN: 978-613-9-99048-1, 2018 2."The study of impact behaviour of composite laminate by varying fibre orientation & stackingsequence" ISBN: 9783668919761, 2018.		
Professional Membership	ISTE		


(Signature)

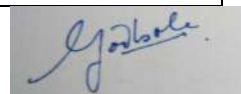
Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Dr. Sanjay S. Bhagwat		
Date of Birth	09/07/1971		
AICTE Unique ID	1-442020586		
Educational Qualification (With class / grade)	UG	B.E. (Mechanical Engg.) First Class with distinction	
	PG	M. Tech..(Heat Power) First Class	
	Ph.D.	Mechanical Engineering	
Work Experience (In Years)	Teaching	25 years	
	Industry	NIL	
	Research	NIL	
	Others	06 years	
Area of Specialization	Thermal Engineering, Fluid Power, Control System Engg		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Control System Engg, I.C.Engine.Engg. Thermodynamics. Energy conversion.		
Research guidance Number of Students)	No. of papers published in Journals	National	Nil
		International	Nil
		Conferences	Nil
	Master (Completed / Ongoing)		Nil
	Ph. D. (Completed / Ongoing)		Nil
Project Carried out	NIL		
Patents (Filed & Granted)	NIL		
Technology Transfer	NIL		
Research Publications	No. of papers published in Journals	National	Nil
		International	05
		Conferences	10
No. of Books published with details	“ Proceedings of the National Conference on Emerging Trends in Mechanical Engineering” ISBN: 978-93-83842-66-7, 2014		
Professional Membership	ISTE		

(Signature)


Faculty Profile

Name	Ruchir Paresh Godbole		
Date of Birth	06.07.1967		
AICTE Unique ID	1-435767109		
Educational Qualification (With class / grade)	UG (B.Sc) First Class, Merit		
	PG (M.Sc) Chemistry , First Class, Merit		
	M .Phil in Chemical Kinetics, at School of Studies Ujjain , MP		
Work Experience (In Years)	Teaching 29 yrs at BNCE present Institute, 2 yr earlier (Govt College Neemuch MP, Institute of Science , Nagpur MS)		
	Industry		
	Research 01yr at National Environmental Engineering Research Institute, as Project fellow		
	Others		
Area of Specialization	Chemical Kinetics		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	UG-C Language, Applied Chemistry, Environmental studies, Communication Skills. PG- Chemistry ,Micro Electronic Mechanical Devises		
Research guidance Number of Students) NIL	No. of papers published in Journals	National	
		International	
		Conferences	
	Master (Completed / Ongoing)		
	Ph. D. (Completed / Ongoing)		
Project Carried out	NIL		
Patents (Filed & Granted)	NIL		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	02
		International	01
		Conferences	03
No. of Books published with details	Name of book, Publisher with ISB N, Year of Publication etc. NIL		
Professional Membership	ISTE / IE I (India)		



Ruchir Godbole

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Shrikrushna Govindrao Labhshetwar		
Date of Birth	02/07/1969		
AICTE Unique ID	1-443347980		
Educational Qualification (With class / grade)	UG – B.E (Mechanical) 1 st class (68.61%)		
	PG – Prod. Tech & Mgt. 1 st Distinction (79.5 %)		
	Ph.D. -		
Work Experience (In Years)	Teaching – 28 Years		
	Industry		
	Research		
	Others		
Area of Specialization	Manufacturing Process, Production Engineering		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel	Graduate Level – Manufacturing Process, Manufacturing Technology, Workshop Technology		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer	--		
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	01
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET ISTE LM No. 18525		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr.Swapnil Anilkumar Chintamani		Passport size photograph
Date of Birth	24/12/1983		
AICTE Unique ID	1-7894921261		
Educational Qualification (With class / grade)	UG	B.E.(Mechanical Engg.) Ist	
	PG	M.E.(CAD/CAM) Ist	
	Ph.D.	--	
Work Experience (In Years)	Teaching	11 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization			--
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		

(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr. Sunil J. Rajpal		
Date of Birth	01/07/1969		
AICTE Unique ID	1-442020582		
Educational Qualification (With class / grade)	UG	B.E. (Mechanical Engg.) First Class	
	PG	M.Tech.(CAD/CAM) First Class	
	Ph.D.	NIL	
Work Experience (In Years)	Teaching	28 years	
	Industry	NIL	
	Research	NIL	
	Others	NIL	
Area of Specialization	CAD/CAM, Theory of Mechine, Robotics.		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	CAD/CAM, Theory of Machine, Robotics, Fluid Mechanics, Finite Element Method.		
Research guidance Number of Students)	No. of papers published in Journals	National	Nil
		International	Nil
		Conferences	Nil
	Master (Completed / Ongoing)	04	
	Ph. D. (Completed / Ongoing)	Nil	
Project Carried out	NIL		
Patents (Filed & Granted)	NIL		
Technology Transfer	NIL		
Research Publications	No. of papers published in Journals	National	Nil
		International	Nil
		Conferences	07
No. of Books published with details	NIL		
Professional Membership	ISTE		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr. Atish B.Dighewar		Passport size photograph
Date of Birth	16/11/1984		
AICTE Unique ID	1-443193275		
Educational Qualification (With class / grade)	UG	B.E.(Mechanical Engg.) Ist	
	PG	M.E.(CAD/CAM) Ist	
	Ph.D.	--	
Work Experience (In Years)	Teaching	14 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization			Production Engg.
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance (Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Dr.S.H.Mahure		
Date of Birth	15/07/1961		
AICTE Unique ID	I-459880469		
Educational Qualification (With class / grade)	UG: B.E.	(Civil Engg.)	
	PG:	M.E (Structural Engg.)	
	Ph.D.	Civil Engg. – Self Compacting Concrete	
Work Experience (In Years)	Teaching :	33 Years	
	Industry	--	
	Research	--	
	Others	--	
Area of Specialization	Structural Engg.		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	DSS,SD-I,SD-II,ADRCC,RCC-II,EM,EQRDCS,ACT		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	
	Master (Completed / Ongoing)		
	Ph. D. (Completed / Ongoing)		01 (On going)
Project Carried out			
Patents (Filed & Granted)			
Technology Transfer			
Research Publications	No. of papers published in Journals	National	
		International	18
		Conferences	
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure


Name	Ravi Rajagovindu Katherashala		
Date of Birth	08 th July 1963		
AICTE Unique ID	1-440217239		
Educational Qualification (With class / grade)	UG: B.Tech Civil Engg- Structures)		
	PG: Master of Planning (Housing)		
	Ph.D. Architecture & Planning		
Work Experience (In Years)	Teaching: 33years		
	Industry :		
	Research: 8 years		
	Others		
Area of Specialization	Civil Engineering and Town Planning		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Engg. Drawing, Computer Science, Building Construction, Transportation engg, Geology, Building Planning and Drawing&CAD, Estimating and Costing Project Planning and Management Disaster Management, Basics of Building Construction, Introduction of Earthquake Engg. Earthquake Engg.& Repairs & Retrofitting		
Research guidance Number of Students)	No. of papers published in Journals	National	1
		International	1
		Conferences	1
	Master (Completed / Ongoing)		1
	Ph. D. (Completed / Ongoing)		1 Completed/ 2 Ongoing
Project Carried out	Nil		
Patents (Filed & Granted)	Nil		
Technology Transfer	Nil		
Research Publications	No. of papers published in Journals	National	2
		International	2
		Conferences	6
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc. NIL		
Professional Membership	ISTE: LM-3588 and AITP(I): 94/81		

Prof.Dr.K.Ravi


Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Sushil Suganchand Zambani		
Date of Birth	20-06-1964		
AICTE Unique ID	1-436253859		
Educational Qualification (With class / grade)	UG	B.E. (Civil)-First class	
	PG	M.E. (Environmental Engg)- First class	
	Ph.D.	--	
Work Experience (In Years)	Teaching	29	
	Industry	03	
	Research	-	
	Others	-	
Area of Specialization	Environmental Engg		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	B.E. (Civil Engg)-Environmental Engg-I, Environmental Engg-I, Water Resources Engg-I, Strength of Material, Fluid Mechanics, Building Construction		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		---
	Ph. D. (Completed / Ongoing)		---
Project Carried out	--		
Patents (Filed & Granted)	---		
Technology Transfer	--		
Research Publications	No. of papers published in Journals:	National	--
		International	02
		Conferences	04
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE		

(Signature)


Name	ANIL SUDHAKAR GADEWAR		
Date of Birth	07/07/1969		
AICTE Unique ID	1-10999049721		
			
Educational Qualification (With class / grade)	UG: B.E.		
	PG: M.Tech.		
	Ph.D.		
Work Experience (In Years)	Teaching : 28 Yrs		
	Industry: Nil		
	Research		
	Others		
Area of Specialization	(Structres)		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Diploma- Engg. Mechanics, Strength of Material, Theory of Structure, Design of R.C.C. Structure & Design of Steel Structure UG-Engg. Mechanics, Strength of Material, Advance Design of R.C.C., Design of R.C.C & Prestressed Concrete		
Research guidance Number of Students)	No. of papers published in Journals	National	Nil
		International	Nil
		Conferences	Nil
	Master (Completed / Ongoing)		Nil
	Ph. D. (Completed / Ongoing)		Nil
Project Carried out	Nil		
Patents (Filed & Granted)	Nil		
Technology Transfer	Nil		
Research Publications	No. of papers published in Journals	National	2
		International	3
		Conferences	3
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE : LM-7959		

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Prof.Zeeshan A. Ahmed		
Date of Birth	01 st July 1994		
AICTE Unique ID	1-3723042683		
Educational Qualification (With class / grade)	UG: B.E. (Civil Engg.)		
	PG: M.E. (Structural Engg.)		
	Ph.D. : Pursuing		
Work Experience (In Years)	Teaching : 04 Years		
	Industry		
	Research		
	Others		
Area of Specialization	Structural Engineering		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel	Engineering Mechanics,BC&M,Engg. Geology,TOS-I,SA-I,CTRCC,ACT,PPM, Solid & Hazardous Waste Mgmt.		
Research guidance Number of Students)	No. of papers published in Journals	National	
		International	
		Conferences	
	Master (Completed / Ongoing)		06 Ongoing (as Co-guide)
	Ph. D. (Completed / Ongoing)		
Project Carried out			
Patents (Filed & Granted)			
Technology Transfer			
Research Publications	No. of papers published in Journals	National	
		International	07
		Conferences	01
No. of Books published with details			
Professional Membership			


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Vivek Vinod Burshe		
Date of Birth	10/09/1997		
AICTE Unique ID	1-7566496648		
Educational Qualification (With class / grade)	UG	71.93%	
	PG	Ongoing	
	Ph.D.	--	
Work Experience (In Years)	Teaching	02	
	Industry		
	Research		
	Others		
Area of Specialization	Structural Engineering		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level			
Research guidance Number of Students)	No. of papers published in Journals	National	
		International	
		Conferences	
	Master (Completed / Ongoing)		Ongoing
	Ph. D. (Completed / Ongoing)		
Project Carried out			
Patents (Filed & Granted)			
Technology Transfer			
Research Publications	No. of papers published in Journals	National	
		International	
		Conferences	
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Pranav Vishnu Chavan		
Date of Birth	18/02/1995		
AICTE Unique ID	1-7566945834		
Educational Qualification (With class / grade)	UG	66.44%	
	PG	8.93 CGPA	
	Ph.D.	--	
Work Experience (In Years)	Teaching		
	Industry	03	
	Research	--	
	Others	--	
Area of Specialization	Structural Engineering		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level			
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		Completed
	Ph. D. (Completed / Ongoing)		
Project Carried out			
Patents (Filed & Granted)			
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	01
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Saiyed Awesh Saiyed Bashir		
Date of Birth	07/08/1992		
AICTE Unique ID	1-11001592551		
Educational Qualification (With class / grade)	UG	8.22 SGPA	
	PG	9.46 CGPA	
	Ph.D.		
Work Experience (In Years)	Teaching		
	Industry	01	
	Research		
	Others		
Area of Specialization	Construction Engineering & Management		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level			
Research guidance Number of Students)	No. of papers published in Journals	National	
		International	
		Conferences	
	Master (Completed / Ongoing)		Completed
	Ph. D. (Completed / Ongoing)		
Project Carried out			
Patents (Filed & Granted)			
Technology Transfer			
Research Publications	No. of papers published in Journals	National	
		International	03
		Conferences	
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Prof.Ms.P.P.Naik		
Date of Birth	09/05/1995		
AICTE Unique ID	I-3722983923		
Educational Qualification (With class / grade)	UG: B.E.	(Civil Engg.)	
	PG:	M. E (Structural Engg.)	
	Ph.D. -	Nil	
Work Experience (In Years)	Teaching :	03 Years	
	Industry	--	
	Research	--	
	Others	--	
Area of Specialization	Structural Engg.		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	DSS, RCC-I, DM		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		
	Ph. D. (Completed / Ongoing)		
Project Carried out			
Patents (Filed & Granted)			
Technology Transfer			
Research Publications	No. of papers published in Journals	National	
		International	01
		Conferences	
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc. Nil		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr. Milind P.Deshmukh		
Date of Birth	30/04/1968		
AICTE Unique ID	1-1597108729		
Educational Qualification (With class / grade)	UG	B.E.(Civil Engg.) Ist	
	PG	Pursuing	
	Ph.D.	--	
Work Experience (In Years)	Teaching	07 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization	Structural Engineering		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr. Manoj K.Pandey		
Date of Birth	23/06/1971		
AICTE Unique ID	1-1597108979		
Educational Qualification (With class / grade)	UG	B.E.(Civil Engg.) Ist	
	PG	Pursuing	
	Ph.D.	--	
Work Experience (In Years)	Teaching	07 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization			Structural Engineering
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr. Nitin R.Shukla		
Date of Birth	10/05/1990		
AICTE Unique ID	1-7565655736		
Educational Qualification (With class / grade)	UG	B.E.(Civil Engg.) Ist	
	PG	Pursuing	
	Ph.D.	--	
Work Experience (In Years)	Teaching	07 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization	Structural Engineering		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr. Shyamsundar P.Heda		
Date of Birth	02/07/1984		
AICTE Unique ID	1-9526289139		
Educational Qualification (With class / grade)	UG	B.E.(Civil Engg.) Ist	
	PG	Pursuing	
	Ph.D.	--	
Work Experience (In Years)	Teaching	03 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization	Structural Engineering		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr. Atul M.Tupsande		
Date of Birth	03/05/1987		
AICTE Unique ID	1-		
Educational Qualification (With class / grade)	UG	B.E.(Civil Engg.) Ist	
	PG	Pursuing	
	Ph.D.	--	
Work Experience (In Years)	Teaching	03 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization			Structural Engineering
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Ms. Shweta C. Bhagwatkar		
Date of Birth	06/06/1996		
AICTE Unique ID	1-7893475695		
Educational Qualification (With class / grade)	UG	B.E.(Civil Engg.) Ist	
	PG	Pursuing	
	Ph.D.	--	
Work Experience (In Years)	Teaching	02 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization	Civil Water Manag. Engg.		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance (Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr. Akshay Rajesh Piwalatkar		
Date of Birth	31/03/1995		
AICTE Unique ID	1-9495704558		
Educational Qualification (With class / grade)	UG	B.E.(Civil Engg.) Ist	
	PG	Pursuing	
	Ph.D.	--	
Work Experience (In Years)	Teaching	01 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization			Structural Engineering
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		

(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr. Shirish S.Maske		
Date of Birth	19/12/1989		
AICTE Unique ID	1-9495902645		
Educational Qualification (With class / grade)	UG	B.E.(Civil Engg.) Ist	
	PG	Pursuing	
	Ph.D.	--	
Work Experience (In Years)	Teaching	01 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization			Civil Engg.
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Ms. Priyanka S.Hande		Passport size photograph
Date of Birth	16/02/1997		
AICTE Unique ID	1-9495903338		
Educational Qualification (With class / grade)	UG	B.E.(Civil Engg.) Ist	
	PG	Pursuing	
	Ph.D.	--	
Work Experience (In Years)	Teaching	01 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization			Civil Water Management Engg.
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance (Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

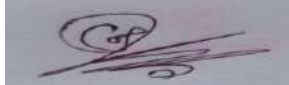
Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr. Sohail Ayyub Shaikh		
Date of Birth	23/05/1995		
AICTE Unique ID	1-11046347111		
Educational Qualification (With class / grade)	UG	B.E.(Civil Engg.) Ist	
	PG	Pursuing	
	Ph.D.	--	
Work Experience (In Years)	Teaching	03 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization			Civil Engg.
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance (Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		

(Signature)


Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Ms. Manisha Nathusing Rathod		
Date of Birth	10/02/1997		
AICTE Unique ID			
Educational Qualification (With class / grade)	UG- B. Sc I Class		
	PG- M.Sc. (Organic Chemistry) I Class		
	Ph.D.		
Work Experience (In Years)	Teaching – 1 yr		
	Industry		
	Research		
	Others		
Area of Specialization	Organic Chemistry		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel			
Research guidance Number of Students)	No. of papers published in Journals	National	
		International	
		Conferences	
	Master (Completed / Ongoing)		
	Ph. D. (Completed / Ongoing)		
Project Carried out			
Patents (Filed & Granted)			
Technology Transfer			
Research Publications	No. of papers published in Journals	National	
		International	
		Conferences	
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc. NIL		
Professional Membership			




Ms . Manisha N Rathod

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr. Akshay I. Dethé		
Date of Birth	29/05/1993		
AICTE Unique ID			
Educational Qualification (With class / grade)	UG	B.Sc. Physics	
	PG	M.Sc. Physics	
	Ph.D.	--	
Work Experience (In Years)	Teaching	01 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization			Physics
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance (Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Ms.Trupati Ravi Chaware		
Date of Birth	27/09/1974		
AICTE Unique ID	1-9496337490		
Educational Qualification (With class / grade)	UG	B.Sc. Chemistry -Ist.	
	PG	M.Sc. Chemistry – Ist.	
	Ph.D.	--	
Work Experience (In Years)	Teaching	01 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization			Organic Chemistry
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance (Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr. Manish G.Thakare		
Date of Birth	27/06/1990		
AICTE Unique ID	1-7900487408		
Educational Qualification (With class / grade)	UG	B.Sc. Chemistry -Ist.	
	PG	M.Sc. Chemistry – I-D	
	Ph.D.	--	
Work Experience (In Years)	Teaching	03 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization			Organic Chemistry
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance (Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

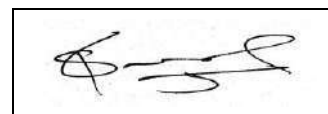
Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Ms.Jayshree R. Shelar		
Date of Birth	02/03/1983		
AICTE Unique ID	1-		
Educational Qualification (With class / grade)	UG	B.Sc. Maths -Ist.	
	PG	M.Sc. Maths – Ist.	
	Ph.D.	--	
Work Experience (In Years)	Teaching	12 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization			Mathematics
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		

(Signature)


Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Dr. Kailas Raghunath Borgade		
Date of Birth	29/05/1993		
AICTE Unique ID			
Educational Qualification (With class / grade)	UG - B. Sc./ B. Ed. (I/II) Class		
	PG- M.Sc. (Maths) I Class		
	Ph. D.- (Maths)		
Work Experience (In Years)	Teaching -5 Years		
	Industry		
	Research		
	Others		
Area of Specialization	Pure and Applied Mathematics, Dark Energy and Cosmology		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel	Pure and Applied Mathematics for UG, PG, Pharmacy and Engineering Students.		
Research guidance Number of Students)	No. of papers published in Journals	National	
		International	
		Conferences	
	Master (Completed / Ongoing)		
	Ph. D. (Completed / Ongoing)		
Project Carried out			
Patents (Filed & Granted)	Nil		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	4
		International	2
		Conferences	4
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership			




Dr. Kailas R Borgade

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Ashish ChintamanSaoji		
Date of Birth	07/09/1964		
AICTE Unique ID	1-436253851		
Educational Qualification (With class / grade)	UG	B.E. Civil, First Division	
	PG	M.E. Structural Engineering	
Work Experience (In Years)	Teaching	33 Years	
	Industry:	6 Months	
Area of Specialization		Matrix Methods of Structural Analysis	
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel		Engineering Mechanics, Strength of Materials, Theory of Structures, Design of RCC & Steel Structures, Numerical Methods & Computer Programming, Matrix Methods of Structural Analysis, etc.	
Research guidance Number of Students)	No. of papers published in Journals	National	-
		International	10
		Conferences	5
	Master (Completed / Ongoing)	6 Completed	
	Ph. D. (Completed / Ongoing)	-	
Project Carried out			
Patents (Filed & Granted)	-		
Technology Transfer	Delivered some guest lectures at different institutes		
Research Publications	No. of papers published in Journals	National	
		International	
		Conferences	
No. of Books published with details	-		
Professional Membership	ISTE,IE I (India), Indian Association for Structural Engineering		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure


Name	Mr.Sachin U.Rathod		
Date of Birth	22/11/1985		
AICTE Unique ID	1-1595675759		
Educational Qualification (With class / grade)	UG	B.E. Civil Engg.-Ist	
	PG	M.E.Structural Engg.	
	Ph.D.	--	
Work Experience (In Years)	Teaching	08 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization			Structural Engg.
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure


Name	Dr. Raju Janmohamed Bhiwani		
Date of Birth	20 th May 1966		
AICTE Unique ID	1-441805415		
Educational Qualification (With class / grade)	UG:	BE (Electronics)	
	PG:	M.E. (Instrumentation)	
	Ph.D:	Electronics & Telecomm	
Work Experience (In Years)	Teaching:	33 Years 6 months	
	Industry		
	Research:		
Area of Specialization	Embedded System, Fuzzy Logic & Neural Networks, Biomedical, Digital Image Processing		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	UG Level: Fuzzy Logic & Neural Networks, Microcontrollers, Microprocessors, Biomedical Instrumentation, Electronics Devices & Circuits, Instrumentation, Electronics Measurement & Instrumentation, Digital and Linear Integrated Circuits		P.G Level: Artificial Intelligent System, Digital Instrumentation Diploma: Basic Electronics Electronics Devices & Circuits
Research guidance Number of Students)	No. of papers published in Journals	National	
		International	
		Conferences	
	Master (Completed / Ongoing)		04/04
	Ph. D. (Completed / Ongoing)		01/04
Project Carried out			
Patents (Filed & Granted)			
Technology Transfer			
Research Publications	No. of papers published in Journals	National	01
		International	14
		Conferences	16
No. of Books published	NIL		
Professional Membership	ISTE: LM-20294) ISOI: LM1817	IE I (India): AM-079382-8 IETE: Fellow F-174381	

(Signature)


Name	Dr. Nizar Ali Charaniya		
Date of Birth	14/11/1965		
AICTE Unique ID	1-442020191		
Educational Qualification (With Class/Grade)	UG	B.E.	Electronics & Telecommunication
	PG	M.E.	Opto Electronic and optical communication
	Ph.D.	Ph.D	Neuro Computing approach for Rainfall Prediction
Work Experience	Teaching		32 years
	Industry		
	Research		
	Others		
Area of Specialization		Optical Fiber Communication	
Courses taught at Diploma/Post Diploma/ Under Graduate/Post Graduate/ Post Graduate Diploma level	UG- Communication Engineering, Wireless Communication, Optical Fiber Communication, Satellite Communication, Digital communication, communication network, Analog communication. PG: Computer communication Network		
Research Guidance (Number of Student)	No. of papers published in Journals	National	
		International	10
		Conference	02
	Master (Completed / Ongoing)	05 (Completed) 02 (Ongoing)	
	Ph.D (Completed / Ongoing)	Nil	
Project Carried out			
Patent (Filed/ Granted)			
Technology Transfer			
Research Publication	No. of papers published in Journals	National	
		International	10
		Conference	02
No. of Books Published with details	Nil		
Professional Membership	ISTE	LM	
	IETE	F	37608


Faculty Profile			
Name	Kalpesh Shriram Dongre		
Date of Birth	30/09/1975		
AICTE Unique ID			
Educational Qualification	UG	B.E.	Electronics & Telecommunication
	PG	M.E.	Digital Electronics
	Ph.D.		
Work Experience in Years	Teaching	24	
	Industry		
	Research		
Courses Taught at Diploma/Post Diploma/Under Graduate/Post Graduate/Post Graduate Diploma Level	UG- Communication Engineering-I, Communication Engineering-II, Communication Theory, Control System Engineering, Wireless Communication, Digital Wireless Communication, Optical Fiber Communication, Satellite Communication, Electrical Engineering, Component and Device technology, Television engineering, Electronic Devices and Circuits, Linear integrated Circuits,		
Research Guidance	No. of papers published in Journals	National	
		International	
		Conferences	
	Masters(Completed/Ongoing)		01 (Completed)
	Ph.D. (Completed/Ongoing)		
Project Carried Out	Major Research Project(“Study of Human life sign detection under debris or behind barrier using multi frequency radar system”) Funded by UGC New Delhi		
Research Publication	No. of papers published in Journals	National Conferences	1
		International Conferences	3
No. of Books Published with details	Name of book,Publisher with ISBN,Year of Publication etc.		
Professional Membership	ISTE	LM	78215
	IETE	M	237673

Faculty Profile to be required for AICTE Mandatory Disclosure


Name	Krushil Manohar Punwatkar		
Date of Birth	15/01/1975		
AICTE Unique ID	I-442063561		
Educational Qualification (With class / grade)	UG- BE (Electronics)	1 st Class	
	PG- ME(Digital Electronics) MBA (Marketing)	1 st Class C-grade	
	Ph.D.		
Work Experience (In Years)	Teaching	25 Years	
	Industry		
	Research		
	Others		
Area of Specialization	Image Processing	Power Electronics	
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate- PE, DIP,DSP,LIC,EDC,ADIC,IMQC, Instrumentation, UHF, WC,DIC	Post Graduate- VLSI Design, Embedded System Design	
Research guidance Number of Students)	No. of papers published in Journals	National	
		International	05
		Conferences	02
03	Master (Completed / Ongoing)	2/1	
	Ph. D. (Completed / Ongoing)		
Project Carried out			
Patents (Filed & Granted)			
Technology Transfer			
Research Publications	No. of papers published in Journals	National	05
		International	08
		Conferences	02
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE-LM23628 , IETE-M237675		

(Signature)

Name	Munira Akbarali Jiwani			
Date of Birth	03/07/1968			
AICTE Unique ID				
Educational Qualification (With Class/Grade)	UG	B.E.	Electronics & Telecommunication	
	PG	M.E.	Digital Electronic	
	Ph.D.			
Work Experience	Teaching		30 years	
	Industry			
	Research			
	Others			
Area of Specialization		Digital Electronics		
Courses taught at Diploma/Post Diploma/ Under Graduate/Post Graduate/ Post Graduate Diploma level	UG- Electronics devices and circuits, Linear integrated circuits, Digital Integrated circuits, Basic electrical Engg, Analog Electronics, Digital system design,			
Research Guidance (Number of Student	No. of papers published in Journals	National		
		International	01	
		Conference	01	
	Master (Completed / Ongoing)	Nil		
	Ph.D (Completed / Ongoing)	Nil		
Project Carried out				
Patent (Filed/ Granted)				
Technology Transfer				
Research Publication	No. of papers published in Journals	National		
		International	01	
		Conference	01	
No. of Books Published with details	Nil			
Professional Membership	ISTE	LM 60912		


Faculty Profile			
Name	Sunil Mohanlal Agrawal		
Date of Birth	10 -10- 1965		
AICTE Unique ID			
Educational Qualification	UG -	B.E.	Electrical(EPS)
	PG -	M.E.	Digital Electronics
Area of Specialization	Image Processing, Signal Processing, Control System		
Courses Taught at Under Graduate/Post Graduate/	UG- Network Analysis, Control System, CAMD, Switch gear & Protection, DSP, ACS etc PG - Digital Image Processing		
Research Guidance	No. of papers published in Journals	National	10
		International Conferences	12 09
	Master(Completed/Ongoing)		04 (Completed)
	Ph.D. (Completed/Ongoing)		00
Project Carried Out	Major Research Project(Ischemic Stroke Detection using DIP, Determination of Red & White Cells in Blood using DIP, Analysis of Pharmaceutical tablet Chemicals, Urine Analysis		
Patent (Filed & Granted)	Ischemic Stroke detection using digital Image processing software embed with computed Tomography, Docket No. 3251, Application No. 545/MUM/2013, C.R.R. no. 2346		
Research Publication	No. of papers published in Journals	National	01
		International	03
		Conferences	03
No. of Books Published with details	Name of book,Publisher with ISBN,Year of Publication etc.		
Professional Membership	ISTE LM	18534	
	IETE M	M	

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Sanjay Shripad Patil		
Date of Birth	08-10 1965		
AICTE Unique ID	1-442020195		
Educational Qualification (With class / grade)	UG	B.E. (Electrical Power System) First Class	
	PG	M.Tech.(Energy Management System) First Class	
	Ph.D.	Nil	
Work Experience (In Years)	Teaching	31 Years	
	Industry	Nil	
	Research	Nil	
	Others	Nil	
Area of Specialization	Electrical Machines,Energy Management		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		Electrical Machines / Electrical Power, Power Quality, Power System Stability/Micro Electro Mechanical Systems
Research guidance Number of Students)	No. of papers published in Journals	National	
		International	Nil
		Conferences	Nil
	Master (Completed / Ongoing)	Nil	
	Ph. D. (Completed / Ongoing)	Nil	
Project Carried out			
Patents (Filed & Granted)	Nil		
Technology Transfer	Nil		
Research Publications	No. of papers published in Journals	National	Nil
		International	01
		Conferences	08
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc. – Nil		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET - LMISTE No.-15421		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	PradipDattatrayDudhat		
Date of Birth	03/07/1970		
AICTE Unique ID	1-442164613		
Educational Qualification (With class / grade)	UG	BE (Electrical Power System)	
	PG	ME (Electrical Power System)	
	Ph.D.		
Work Experience (In Years)	Teaching	26 years	
	Industry		
	Research		
	Others		
Area of Specialization			Electrical Machines, Switchgear and Protection
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel			Graduate Level
Research guidance Number of Students)	No. of papers published in Journals	National	
		International	
		Conferences	
	Master (Completed / Ongoing)		
	Ph. D. (Completed / Ongoing)		
Project Carried out			
Patents (Filed & Granted)	Nil		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	01
		International	03
		Conferences	06
No. of Books published with details	Nil		
Professional Membership	ISTE – LM 49017		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr.Sunil V.Mukhare		
Date of Birth	14/06/1970		
AICTE Unique ID	1-443825113		
Educational Qualification (With class / grade)	UG	B.E. Ecn. Engg.-Ist	
	PG	M.E. Digital Signal Processing	
	Ph.D.	--	
Work Experience (In Years)	Teaching	12 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization			Digital Signal Processing
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Ms.Pranita V.Rathod		
Date of Birth	30/06/1991		
AICTE Unique ID	1-7903263357		
Educational Qualification (With class / grade)	UG	B.E. Elect. Engg.-Ist	
	PG	M.Tech. Electrical Engg.	
	Ph.D.	--	
Work Experience (In Years)	Teaching	06 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization	Electrical & Power System Engg.		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Ms.Naina A.Gaikwad		
Date of Birth	06/11/1983		
AICTE Unique ID	1-3723207053		
Educational Qualification (With class / grade)	UG	B.E. Ecn. Engg.-Ist	
	PG	M.E. Pursuing	
	Ph.D.	--	
Work Experience (In Years)	Teaching	04 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization			--
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance (Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Ms.Chaitali V.Deshmukh		
Date of Birth	14/04/1991		
AICTE Unique ID	1-7903601543		
Educational Qualification (With class / grade)	UG	B.E. Ecn. Engg.-Ist	
	PG	M.E. Digital Electronics	
	Ph.D.	--	
Work Experience (In Years)	Teaching	04 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization			Digital Signal Processing
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Ms.Sapna D.Dongre		
Date of Birth	09/01/1985		
AICTE Unique ID	1-7904762811		
Educational Qualification (With class / grade)	UG	B.E. Ecn. Engg.-Ist	
	PG	M.E. Digital Electronics	
	Ph.D.	--	
Work Experience (In Years)	Teaching	02 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization	Digital Signal Processing		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Ashok JaishankarTiwari		
Date of Birth	31/07/1962		
AICTE Unique ID	1-435339741		
Educational Qualification (With class / grade)	UG B.A, B.P.Ed		
	PGM.P.Ed, M.Phi		
	Ph.D.		
Work Experience (In Years)	Teaching – Physical Education Activities		
	Industry		
	Research		
	Others - Sport Activity		
Area of Specialization	Hockey, N.I.S		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel	--		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer	--		
Research Publications	No. of papers published in Journals	National	--
		International	02
		Conferences	02
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Ms.Vandana M.Yennawar		
Date of Birth	17/11/1963		
AICTE Unique ID	1-5028165581		
Educational Qualification (With class / grade)	UG	B.Sc. Ist	
	PG	M.Sc. Maths	
	Ph.D.	--	
Work Experience (In Years)	Teaching	14 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization			Puze Mathematics
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		--
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure


Name	Vasif Ahmed		
Date of Birth	26 th October 1964		
AICTE Unique ID	1-441805411		
Educational Qualification (With class / grade)	UG	B.E. (Elect. Engg.) – Ist class	
	PG	M.E.(Ind. Elect.) – Ist class	
	Ph.D.	Emb. Systems – (Excellent rating for Phd Thesis by reviewers)	
Work Experience (In Years)	Teaching	30 years	
	Industry	4 years	
	Research		
	Others		
Area of Specialization	Embedded Systems		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel	Embedded System Design, CMOS VLSI Design (PG Level), OOP, VLSI Design, CMOS Design, Embedded System, IMQC, Electronic Circuit Design, DIC & D, etc.		
Research guidance Number of Students)	No. of papers published in Journals	National	
		International	
		Conferences	
	Master (Completed / Ongoing)	05 / 01	
	Ph. D. (Completed / Ongoing)	02/01	
Project Carried out	---		
Patents (Filed & Granted)	05 filed, 01 Granted		
Technology Transfer	--		
Research Publications	No. of papers published in Journals	National	6
		International	15
		Conferences	29
No. of Books published with details	<p>Name of book, Publisher with ISBN, Year of Publication etc.</p> <ol style="list-style-type: none"> 1. Signal Processing Methods for Lung Sound Analysis, LAP LAMBERT Academic Publishing, ISBN - 978-620-0-78238-0, 2020 2. Study of Electronic Stethoscope as Prospective Analysis Tool for Cardiac Sounds(Book Chapter), <i>Smart Trends in Information Tech. & Computer Comm.</i>, pp 706-713, Springer Singapore, 2016, ISBN - 978-981-10-3433-6. 3. Novel Pentagonal Shape Meander Fractal Monopole Antenna for UWB Applications(Book Chapter), <u>Lecture Notes on Data Engg and Comm. Technologies</u> book series (LNDECT) vol 31, Springer, ISBN 978-3-030-24643-3. 		
Professional Membership	LM – ISTE, LM – ISOI, Fellow – IETE, Fellow – IE(I)		

(Signature)


Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Dr. Abhay N Gaikwad		
Date of Birth	28/12/1970		
AICTE Unique ID	1-441638761		
Educational Qualification (With class / grade)	UG	B.E. (Electronics Engg.) First Class	
	PG	M.Tech., VNIT Nagpur, Electronics, First Class	
	Ph.D.	IIT Roorkee “Study of Through wall Imaging for Target detection”	
Work Experience (In Years)	Teaching	27 years	
	Industry	NIL	
	Research	NIL	
	Others	NIL	
Area of Specialization	Wireless Communication, Signal Processing, Microwave Sensing		
Courses taught at Under Graduate/ Post Graduate Level	Communication Engg., Digital Communication, Digital Signal Processing, Wireless Communication, EMF, UHF and Microwave Engg., Radar Engg., Neural Network, CMOS and VLSI, etc		
Research guidance Number of Students)	No. of papers published in Journals	National	01
		International	02
		Conferences	Nil
	Master (Completed / Ongoing)	03	
	Ph. D. (Completed / Ongoing)	01	
Project Carried out	03(UGC MRP-8.59lakhs, AICTE-7.5lakhs, AICTE-4.5lakhs)		
Patents (Filed & Granted)	Nil		
Technology Transfer	Nil		
Research Publications	No. of papers published in Journals	National	01
		International	14
		Conferences	18
No. of Books published with details	NIL		
Professional Membership	ISTE (Life Member), IETE (Fellow), IEEE (Member)		

(Signature)

Faculty Profile			
Name	MOHAMMAD AKRAM KHAN		
Date of Birth	09/12/1962		
AICTE Unique ID	1-442020053		
Educational Qualification	UG	MSc	Applied Electronics
	PG	M.E.	Digital Techniques and Instrumentation
	Ph.D.		
Work Experience in Years	Teaching	34 years	
	Industry		
	Research		
	Others		
Area of Specialization			
Courses Taught at Diploma/Post Diploma/Under Graduate/Post Graduate/Post Graduate Diploma Level	UG- Electronic Devices and circuits-I, Electronic Devices and circuits-II, Linear Integrated Circuits, Digital Integrated Circuits, Introduction to Microprocessor, Microprocessor and peripherals, Microcontroller, Microcontroller and Applications, Electronic Circuit Design, Analog and Digital ICs, Network Analysis, Control system PG: Digital Instrumentation		
Research Guidance	No. of papers published in Journals	National	03
		International	
		Conferences	
	Master(Completed/Ongoing)		04 (Completed)
	Ph.D. (Completed/Ongoing)		
Project Carried Out	Major Research Project		
Patent (Filed & Granted)			
Research Publication	No. of papers published in Journals	National	08
		International	08
		Conferences	5
No. of Books Published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE		LM 18533
	IETE		F 237611
	IE(I)		AM 79574/5

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Vilas Vasantrao Dahale		
Date of Birth	29/03/1969		
AICTE Unique ID	1-442164617		
Educational Qualification (With class / grade)	UG	BE (Electronics)	
	PG	ME (Digital Electronics)	
	Ph.D.		
Work Experience (In Years)	Teaching	27 Years	
	Industry		
	Research		
	Others		
Area of Specialization	Digital Electronics		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	I μ P, Power Electronics, EDC, CDT, CT, Electrical Energy Utilisation, Inst. & Sensors, Basic Electrical Engg., Digital Electronics. EEDU		
Research guidance Number of Students)	No. of papers published in Journals	National	
		International	
		Conferences	
	Master (Completed / Ongoing)		
	Ph. D. (Completed / Ongoing)		
Project Carried out			
Patents (Filed & Granted)			
Technology Transfer			
Research Publications	No. of papers published in Journals	National	
		International	1
		Conferences	
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc. - Nil		
Professional Membership	ISTE - LM-49016 IETE- M-237676		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr.Amit D.Chavhan		
Date of Birth	14/07/1981		
AICTE Unique ID	1-1596201334		
Educational Qualification (With class / grade)	UG	B.E. Ist.	
	PG	M.E. –Ist	
	Ph.D.	--	
Work Experience (In Years)	Teaching	08 Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization	Computer Sc. & Engg.		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance (Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		


(Signature)

Faculty Profile to be required for AICTE Mandatory Disclosure

Name	Mr.Faisal A.Amdani		
Date of Birth	17/01/1995		
AICTE Unique ID	1-3237099381		
Educational Qualification (With class / grade)	UG	B.E. Ist.	
	PG	M.E. –Ist	
	Ph.D.	--	
Work Experience (In Years)	Teaching	02Yrs.	
	Industry	--	
	Research	--	
	Others	---	
Area of Specialization	Computer Sc. & Engg.		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate		
Research guidance Number of Students)	No. of papers published in Journals	National	--
		International	--
		Conferences	--
	Master (Completed / Ongoing)		
	Ph. D. (Completed / Ongoing)		--
Project Carried out	--		
Patents (Filed & Granted)	--		
Technology Transfer			
Research Publications	No. of papers published in Journals	National	--
		International	--
		Conferences	--
No. of Books published with details	Name of book, Publisher with ISBN, Year of Publication etc.		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET		

(Signature)


Faculty Profile of **Dr. Salim Y. Amdani**

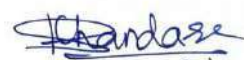
Name	Dr. Salim Y. Amdani		
Date of Birth	16 th Nov. 1966		
AICTE Unique ID	1-439830505		
Educational Qualification (With class / grade)	UG:B.E. Computer Science & Engineering(First Class)		
	PG:M.E. Computer Science & Engineering(First Class (U.T.))		
	Ph.D: Computer Science & Engineering (2014)		
Work Experience (In Years)	Teaching:30		
	Industry: NIL		
	Research:08		
	Others : NIL		
Area of Specialization	Real Time Database System, Networking, Programming, Software Engineering.		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	CF, CS-I, CS-2, CP, OOP, PM, OOT, DS, APS, FSDP, ORT, APS, CG, DBMS, SAD, CN, CNI, ICN, SE, DAA, CCN, ALGORATHMICS, DP, AJP		
Research guidance Number of Students)	Master (Completed / Ongoing)		10/1
	Ph. D. (Completed / Ongoing)		3/5
Project Carried out	NIL		
Patents (Filed & Granted)	Filed: 01 Granted: 02		
Technology Transfer	Nil		
Research Publications	No. of papers published in Journals	National	06
		International	39
		Conferences	17
No. of Books published with details	1. "C Programming", Laxmi Publications, New Delhi (2009) ISBN: 978-81-318-0546-6		
Professional Membership	<ol style="list-style-type: none"> 1. Life Member of Indian Society for Technical Education (ISTE LM -49019). 2. Member of Computer Science Teacher Association (CSTA), USA. 3. Member of International Association for the Engineers (IAENG), Hong Kong. 4. Senior member Institute of Research Engineers and Doctors (IRED), USA. 		



Dr. Salim Y. Amdani


Faculty Profile of **Prof. Shailesh T. Khandare**

Name	Shailesh Tulshiram Khandare		
Date of Birth	01/07/1969		
AICTE Unique ID	1-438807525		
Educational Qualification (With class / grade)	UG : B.E.(Computer Science and Engineering) First Class		
	PG : M.E.(Computer Science and Engineering) First Class		
	Ph.D. : Appeared		
Work Experience (In Years)	Teaching	26	
	Industry	Nil	
	Research	Nil	
	Others	Nil	
Area of Specialization	Computer Science and Engineering		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	UG:- Operating Systems, Assembly Language Programming , Computer Architecture and Organization , Advanced Microprocessor & Interfacing, Multimedia Technology , Computer Architecture, Switching Theory and Logic Design , Computer Architecture & Operating Systems , Microprocessor & Assembly Language Programming, Computer Organization and Architecture		
	PG: - Advanced Computer Architecture, Operating System Design, Expert System Design, Advanced Compiling Techniques, Real-Time Systems.		
Research guidance Number of Students)	Master (Completed / Ongoing)	06/01	
	Ph. D. (Completed / Ongoing)	Nil	
Project Carried out	Nil		
Patents (Filed & Granted)	Nil		
Technology Transfer	Nil		
Research Publications	No. of papers published in Journals	National	Nil
		International	13
		Conferences	04
No. of Books published with details	1. Multi-level Thresholding and Quantization for Segmentation of Color Images (pp. 487-496) Smart Trends in Computing and Communications SIST, Volume 165 978-981-15-0076-3 January 2020 DOI:{ 10.1007/978-981-15-0077-0-50}		
Professional Membership	<ol style="list-style-type: none"> Life Member (LM-25628), Indian Society for Technical Education, New Delhi. Life Member (MH/222/3445), All India Federation of University & College Teachers' Organizations, Hyderabad (AIFUCTO). 		



Prof. S. T. Khandare


Faculty Profile of **Dr.Suresh Shamrao Asole**

Name	Dr.Suresh Shamrao Asole			
Date of Birth	30 /12/1976			
AICTE Unique ID	1-439830509			
Educational Qualification (With class / grade)	UG: Computer Science & Engineering, First Class (63.10 %)			
	PG: Computer Science & Engineering, First Class (64.32 %)			
	Ph.D : Computer Science & Engineering , Awarded Dated 02/12/2019			
Work Experience (In Years)	Teaching : 18 Years			
	Industry : Nil			
	Research : 3 years			
	Others			
Area of Specialization	Networking ,Network Security, Mobile Adhoc Network			
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Diploma Level : Java Programming , Object Oriented Programming, C Programming, Distributed Operating System			
	UG Level : Computer Network , Network Security, Computer Programming, Data Warehousing and Data Mining, Web Technology, Network Administrative & Security, Internet Technology, Programming Methodology, Operation Research			
	PG Level: Computer Communication Networks, Network Security, Database Processing, Operating System Designing			
Research guidance (Number of Students)	Master (Completed / Ongoing)		11	
	Ph. D. (Completed / Ongoing)		04	
Project Carried out	An Efficient Mobility Management and Smart Routing for Mobile Ad-Hoc Networks			
Patents (Filed & Granted)	NO			
Technology Transfer	I have carried out Wi-Fi survey in an area of about 30 KMs around the pusad city in collaboration with Science and Technology Park, University of Pune for installation of Wi-Fi towers. I also worked with the people of adopted village "Yeranda" to identify the possibilities in the Village development isolated the problems and worked for providing appropriate solution under " Unnat Bharat Abhiyan " under technology transfer .			
Research Publications	No. of papers published in Journals	National	00	
		International	25	
		Conferences	18	
No. of Books published details	Name of book, Publisher with ISBN, Year of Publication etc. NIL			
Professional Membership	<ul style="list-style-type: none"> • Life Member Indian Society of Technical Education (LM-43378) • Member of International Association of Engineers (144263) 			



Dr.Suresh S.Asole


Faculty Profile of **Prof.P.H.Pawar**

Name	Prof.P.H.Pawar		
Date of Birth	28/06/1973		
AICTE Unique ID	1-439992903		
Educational Qualification (With class / grade)	UG:		
	PG : First Class with Distinction		
	Ph.D.: NIL		
Work Experience (In Years)	Teaching - 22 Years		
	Industry – NIL		
	Research -02 Years		
	Others -NIL		
Area of Specialization	Artificial Intelligence		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	AI , Data Science & Statistics, Big Data Analytics, Object-Oriented S/W Engineering.		
Research guidance Number of Students) 07	No. of papers published in Journals	National	-
		International	07
		Conferences	02
	Master (Completed / Ongoing)		Completed
	Ph. D. (Completed / Ongoing)		-
Project Carried out	A deep learning approach for smart phone based Human Activity Recognition.		
Patents (Filed & Granted)	NIL		
Technology Transfer	Mongo db		
Research Publications	No. of papers published in Journals	National	-
		International	07
		Conferences	02
No. of Books published with details	NIL		
Professional Membership	ISTE / IETE / IE I (India) / ISA / IET - LM 78220		



Prof.P.H.Pawar


Faculty Profile of **Prof.P.B.Niranjane**

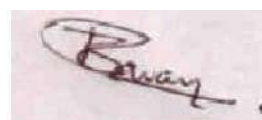
Name	Prof.P.B.Niranjane		
Date of Birth	25/12/1977		
AICTE Unique ID	1-440216825		
Educational Qualification (With class / grade)	UG : Computer Science & Engineering(Second)		
	PG: Computer Science & Engineering(First)		
	Ph.D.: (pursuing) Computer Science & Engineering		
Work Experience (In Years)	Teaching	18	
	Industry	Nil	
	Research	Nil	
	Others	Nil	
Area of Specialization	Computer Science & Engineering		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Diploma:- Computer Graphics, Data Base Management System, PC-Architecture UG:-Computer Programming, Data Structure, Discrete Structure, Computer Network & Programming, Computer Architecture & Organisation , Design and Analysis of Algorithm, Theory of Computation, Data Communication, Software Engineering, Object Oriented Technology, E-Commerce, Software Project Management, Data Structure and Algorithms, Professional Ethics, PG:-Advanced Compiling Techniques, Database Processing, Algorithmic		
Research guidance (Number of Students)	Master (Completed / Ongoing)	6/2	
	Ph. D. (Completed / Ongoing)	NIL	
Project Carried out	NIL		
Patents (Filed & Granted)	NIL		
Technology Transfer	NIL		
Research Publications	No. of papers published in Journals	National	3
		International	16
		Conferences	8
No. of Books published with details	NIL		
Professional Membership	Life member of Indian Society for Technical Education (LM- 60913)		



Prof.P.B.Niranjane


Faculty Profile of Prof. Pankaj B. Pawar

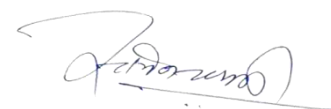
Name	Pankaj B. Pawar		
Date of Birth	21/06/1982		
AICTE Unique ID	1-440216933		
Educational Qualification (With class / grade)	UG:B.E. Information Technology (First Class)		
	PG: M.Tech. Computer Science & Engineering, First division with Honours		
	Ph.D. – NIL		
Work Experience (In Years)	Teaching	13	
	Industry	NIL	
	Research	NIL	
	Others	NIL	
Area of Specialization	Computer Science & Engineering		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	CP, OOP, PM, OOT, DS, FSDP, SE, OS, DSGT		
Research guidance Number of Students)	Master (Completed / Ongoing)	NIL	
	Ph. D. (Completed / Ongoing)	NIL	
Project Carried out	NIL		
Patents (Filed & Granted)	NIL		
Technology Transfer	Nil		
Research Publications	No. of papers published in Journals	National	01
		International	04
		Conferences	04
No. of Books published with details	NIL		
Professional Membership	NIL		



Pankaj B. Pawar


Faculty Profile of **Prof. Sachin D. Chavhan**

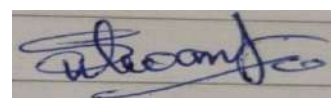
Name	SACHIN DIGAMBAR CHAVHAN		
Date of Birth	25/08/1991		
AICTE Unique ID	1-7904374015		
Educational Qualification (With class / grade)	UG- Computer Engineering,68.66%,(Pune university) First class with distinction		
	PG- Computer Science & Engineering,96%(Amaravati university) First class with distinction		
	Ph.D. – NIL		
Work Experience (In Years)	Teaching: 4.2 years		
	Industry: 8 months		
	Research: NIL		
	Others – NIL		
Area of Specialization	Data structure, Operating system		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Computer resource management, Data communication and networking, Compiler design, Data structures, Operating system		
Research guidance Number of Students)	No. of papers published in Journals	National	-NIL
		International	- NIL
		Conferences	- NIL
	Master (Completed / Ongoing)		- NIL
	Ph. D. (Completed / Ongoing)		- NIL
Project Carried out	Cotton disease detection by image processing		
Patents (Filed & Granted)	NO		
Technology Transfer	NO		
Research Publications	No. of papers published in Journals	National	2
		International	6
		Conferences	1
No. of Books published with details	NIL		
Professional Membership	NIL		



Prof.Sachin D. Chavhan

Faculty Profile of **Prof.Ms. Shruti Vilas Tilwant**

Name	Shruti Vilas Tilwant		
Date of Birth	13/01/1994		
AICTE Unique ID			
Educational Qualification (With class / grade)	UG : First class (67%)		
	PG : Appearing		
	Ph.D. : NIL		
Work Experience (In Years)	Teaching : Nil		
	Industry : Nil		
	Research : Nil		
	Others : Nil		
Area of Specialization	Reversible Data Hiding		
Courses taught at Diploma / Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Microprocessor & ALP , Security Policy and Governance		
Research guidance Number of Students)	NIL		
Project Carried out	NIL		
Patents (Filed & Granted)	NIL		
Technology Transfer	NIL		
Research Publications	No. of papers published in Journals	National	NIL
		International	1
		Conferences	NIL
No. of Books published with details	NIL		
Professional Membership	NIL		



Prof.Ms. Shruti V. Tilwant

9. Fee

- i. **Details of Fee, as approved by State Fee Committee for the session 2020-21, for the institution :-**

Course	Academic Session	Fee approved by Fees Regulating Authority
UG	2020-21	Rs. 91,000/-
PG	2020-21	Rs. 98,000/-

- ii. **Time schedule for payment of Fee for the entire Programme**

- 50% payment at the time of admission
- 50% payment before the examination

- iii. **No. of Fee waivers granted with amount and name of students**

LIST OF TUITION FEE WAIVERS FOR THE A.Y. 2020-21					
Sr. No.	Name of Student	PIN No.	Catagory	Class	Concession
1	V.K.Dhole	2014005	TFWS	U - III	90,622.00
2	S.B.Deshmukh	2014025	TFWS	EPE - III	90,622.00
3	N.A.Amdani	2015150	TFWS	U - III	91,250.00
4	A.P.Garole	2015224	TFWS	M - IV	91,250.00
5	S.A.Ahmed	2017001	TFWS	C - IV	72,727.00
6	S.V.Dhopte	2017040	TFWS	U - IV	72,727.00
7	R.S.Lokhande	2017047	TFWS	M - IV	72,727.00
8	A.T.Kashetwar	2017054	TFWS	C - IV	72,727.00
9	R.R.Kale	2017056	TFWS	C - IV	72,727.00
10	P.D.Singanjude	2017067	TFWS	EPE - III	72,727.00
11	V.S.Ade	2017073	TFWS	EPE - IV	72,727.00
12	V.R.Kharate	2017082	TFWS	EPE - IV	72,727.00
13	S.V.Mandavgade	2017090	TFWS	R - IV	72,727.00
14	M.S.Shaikh	2017099	TFWS	M - III	72,727.00
15	S.D.Patangrao	2017114	TFWS	M - IV	72,727.00
16	G.N.Patange	2017118	TFWS	C - IV	72,727.00

17	R.R.Dube	2017159	TFWS	U - IV	72,727.00
18	A.D.Gupta	2017191	TFWS	M - IV	72,727.00
19	A.G.Torkadi	2018010	TFWS	M - II	72,727.00
20	P.D.Wankhede	2018014	TFWS	C - III	72,727.00
21	S.S.	2018035	TFWS	R - III	72,727.00
22	M.V.Patil	2018050	TFWS	M - III	72,727.00
23	O.R.Tundalwar	2018052	TFWS	C - III	72,727.00
24	P.R.Kale	2018058	TFWS	C - III	72,727.00
25	N.B.Behare	2018059	TFWS	C - III	72,727.00
26	P.P.Pawar	2018064	TFWS	R - III	72,727.00
27	R.F.Kazi	2018093	TFWS	C - III	72,727.00
28	G.P.Wankhede	2019017	TFWS	C - II	82,427.00
29	Y.G.Yewale	2019039	TFWS	M - II	82,427.00
30	G.G.Bawaskar	2019056	TFWS	R - II	82,427.00
31	M.S.Bhalerao	2019059	TFWS	U - II	82,427.00
32	G.M.Satao	2019063	TFWS	C - II	82,427.00
33	V.M.Sirsat	2019088	TFWS	R - II	82,427.00
34	S.M.Gore	2019092	TFWS	C - II	82,427.00
35	S.M.Asegaonkar	2020016	TFWS	R - I	82,427.00
36	A.R.Deshmukh	2020034	TFWS	R - I	82,427.00
37	T.S.Suryawanshi	2020036	TFWS	AI & DS - I	82,427.00
38	P.G.Deshmukh	2020044	TFWS	R - I	82,427.00
39	T.R.Kottawar	2020055	TFWS	AI & DS - I	82,427.00
	TOTAL :				30,25,589.00

iv. Number of scholarship offered by the institution ,duration and amount

(1) EMPLOYEE WARD FEE CONCESSION DURING THE A.Y. 2020-21

Sr. No.	Name of Student	PIN No.	Catagory	Class	Concession
1	R.M.Mankar	2017120	EFWS	C - IV	18,182.00
2	S.K.Adhapure	2020020	EFWS	R - I	20,445.00
	TOTAL :				38,627.00

(2) COLLEGE LEVEL FEE CONCESSION DURING THE A.Y. 2020-21

Sr. No.	Name of Student	PIN No.	Catagory	Class	Concession
1	A.R.Chahare	2018072	CC-2018	R - II	33,000.00
2	V.P.Jadhao	2018106	CC-2018	C - III	33,000.00
3	A.A.Khan	2018107	CC-2018	C - III	33,000.00
4	C.K.Murke	2018109	CC-2018	C - III	33,000.00

5	S.C.Maske	2018111	CC-2018	C - III	33,000.00
6	A.J.Prajwal	2018112	CC-2018	M - III	33,000.00
7	A.S.Labhsetwar	2018678	CC-2018	M - IV	33,000.00
8	D.S.Ingle	2018680	CC-2018	C - IV	10,000.00
9	S.R.Gawhane	2018682	CC-2018	C - IV	33,000.00
10	S.B.Jadhao	2019001	CC-2018	C - II	49,586.00
11	V.S.Padgilwar	2019002	CC-2018	R - II	41,013.00
12	A.R.Khan	2019003	CC-2018	C - II	49,687.00
13	H.P.Chavhan	2019004	CC-2018	R - II	8,373.00
14	D.A.Syed	2019007	CC-2019	C - II	49,586.00
15	M.R.Trivedi	2019008	CC-2019	U - II	49,586.00
16	S.S.Dudhe	2019010	CC-2019	R - II	49,586.00
17	R.V.Jadhao	2019011	CC-2019	C - II	8,373.00
18	S.S.Muhammad	2019012	CC-2019	C - II	49,586.00
19	N.S.Modi	2019013	CC-2019	R - II	49,586.00
20	R.S.Gajbi	2019014	CC-2019	R - II	49,586.00
21	M.M.Nikam	2019015	CC-2019	R - II	49,586.00
22	G.R.Rathod	2019016	CC-2019	C - II	8,573.00
23	Y.D.Tatwadi	2019019	CC-2019	R - II	41,213.00
24	S.N.Gundewar	2019020	CC-2019	R - II	49,586.00
25	M.R.Surduse	2019021	CC-2019	M - II	8,373.00
26	A.S.Sayyed	2019022	CC-2019	C - II	49,586.00
27	S.G.Sakhare	2019023	CC-2019	M - II	49,586.00
28	P.S.Pawar	2019024	CC-2019	C - II	8,373.00
29	Y.S.Pratapwar	2019025	CC-2019	C - II	49,586.00
30	D.B.Mandade	2019026	CC-2019	C - II	8,373.00
31	P.V.Gawande	2019027	CC-2019	C - II	49,586.00
32	S.S.Patil	2019028	CC-2019	R - II	49,586.00
33	K.A.Pame	2019029	CC-2019	C - II	39,587.00
34	P.R.Kale	2019030	CC-2019	U - II	49,586.00
35	P.D.Rathod	2019032	CC-2019	C - II	8,373.00
36	N.T.Pawar	2019033	CC-2019	C - II	8,373.00
37	S.G.Harne	2019034	CC-2019	R - II	49,586.00
38	R.S.Rathod	2019035	CC-2019	U - II	8,573.00
39	S.R.Patel	2019036	CC-2019	EPE - II	49,586.00
40	S.S.Ratnaparkhi	2019037	CC-2019	M - II	49,586.00
41	M.A.Kohale	2019040	CC-2019	R - II	49,586.00
42	V.V.Pawar	2019042	CC-2019	C - II	41,213.00
43	A.B.Darvhekar	2019043	CC-2019	R - II	49,586.00
44	K.S.Gaikwad	2019045	CC-2019	R - II	8,373.00
45	F.S.Kazi	2019047	CC-2019	C - II	49,586.00

46	S.A.Khan	2019050	CC-2019	R - II	49,586.00
47	H.V.Rai	2019051	CC-2019	R - II	49,586.00
48	L.M.Mohammad	2019052	CC-2019	R - II	49,586.00
49	P.S.Jadhao	2019053	CC-2019	U - II	8,373.00
50	D.B.Jawake	2019054	CC-2019	C - II	39,587.00
51	R.D.Bhalekar	2019055	CC-2019	R - II	49,586.00
52	G.S.Patharkar	2019058	CC-2019	R - II	49,586.00
53	P.R.Datir	2019060	CC-2019	R - II	49,586.00
54	S.S.Gadewar	2019061	CC-2019	R - II	49,586.00
55	S.S.Sontakke	2019062	CC-2019	R - II	49,586.00
56	G.C.Padamwar	2019065	CC-2019	R - II	49,586.00
57	V.B.Raut	2019066	CC-2019	R - II	49,586.00
58	S.V.Kubade	2019067	CC-2019	R - II	49,586.00
59	R.G.Sukalkar	2019071	CC-2019	R - II	49,586.00
60	J.V.Mahindre	2019076	CC-2019	R - II	24,786.00
61	N.V.Pawar	2019077	CC-2019	C - II	5,873.00
62	R.A.Kajale	2019079	CC-2019	R - II	8,373.00
63	O.A.Chiddarwar	2019080	CC-2019	R - II	49,586.00
64	A.S.Akhadkar	2019083	CC-2019	R - II	24,586.00
65	G.J.Jaju	2019086	CC-2019	R - II	49,586.00
66	R.B.Jakate	2019087	CC-2019	R - II	49,586.00
67	A.S.Jadhao	2019089	CC-2019	R - II	49,586.00
68	V.A.Chavhan	2019093	CC-2019	C - II	8,373.00
69	S.R.Kaple	2019096	CC-2019	R - II	41,213.00
70	O.S.Nagthane	2019097	CC-2019	R - II	55,800.00
71	A.B.Nagthane	2019098	CC-2019	C - II	41,213.00
72	P.A.Chiddarwar	2019099	CC-2019	C - II	41,213.00
73	A.A.Khan	2019100	CC-2019	R - II	44,001.00
74	S.T.Jadhav	2019101	CC-2019	C - II	51,000.00
75	S.C.Shaikh	2019102	CC-2019	C - II	41,213.00
76	A.A.Das	2019103	CC-2019	U - II	68,650.00
77	M.G.Shivarkar	2019110	CC-2019	U - II	56,000.00
78	S.N.Rathod	2019601	CC-2019	C - III	8,373.00
79	M.S.Shaikh	2019602	CC-2019	C - III	49,586.00
80	P.M.Kanhekar	2019603	CC-2019	C - III	8,373.00
81	C.S.Pawar	2019608	CC-2019	C - III	8,373.00
82	V.D.Rathod	2019609	CC-2019	C - III	8,373.00
83	S.S.Shaikh	2019611	CC-2019	EPE - III	39,787.00
84	O.S.Alamwar	2019612	CC-2019	C - III	49,786.00
85	B.S.Kashte	2019613	CC-2019	EPE - III	8,373.00
86	A.P.Jadhao	2019614	CC-2019	EPE - III	8,373.00

87	S.S.Chavhan	2019615	CC-2019	EPE - III	8,373.00
88	M.S.Deshmukh	2019616	CC-2019	EPE - III	49,586.00
89	G.G.Mahore	2019617	CC-2019	EPE - III	49,586.00
90	U.A.Abdul	2019618	CC-2019	EPE - III	49,586.00
91	S.M.Khan	2019619	CC-2019	C - III	49,586.00
92	P.P.Kale	2019620	CC-2019	EPE - III	49,586.00
93	S.S.Korat	2019621	CC-2019	R - III	49,586.00
94	S.A.Gadewar	2019622	CC-2019	R - III	49,586.00
95	N.S.Raut	2019623	CC-2019	R - III	49,586.00
96	S.S.Shiwankar	2019624	CC-2019	R - III	49,586.00
97	S.A.Newase	2019625	CC-2019	M - III	49,586.00
98	B.N.Behare	2019626	CC-2019	R - III	34,787.00
99	V.V.Dhanawat	2019627	CC-2019	R - III	49,586.00
100	S.A.Padmawar	2019628	CC-2019	M - III	49,586.00
101	O.P.Barde	2019629	CC-2019	M - III	49,586.00
102	R.S.Bijore	2019630	CC-2019	C - III	49,786.00
103	B.N.Ghogare	2019631	CC-2019	C - III	8,373.00
104	N.P.Chavhan	2019632	CC-2019	C - III	8,373.00
105	S.D.Dhad	2019633	CC-2019	M - III	8,373.00
106	S.L.Patangrao	2019634	CC-2019	R - III	49,586.00
107	V.A.Polkat	2019635	CC-2019	R - III	49,586.00
108	M.N.Chakkarwar	2019636	CC-2019	EPE - III	49,586.00
109	G.G.Bhopi	2019637	CC-2019	R - III	49,586.00
110	A.S.Tiwari	2019638	CC-2019	EPE - III	49,586.00
111	N.P.Hulkane	2019639	CC-2019	EPE - III	8,373.00
112	S.A.Guruwani	2019640	CC-2019	R - III	49,586.00
113	S.A.Dahale	2019641	CC-2019	C - III	49,586.00
114	R.R.Mahajan	2019642	CC-2019	C - III	49,586.00
115	P.R.Kukade	2019643	CC-2019	M - III	49,586.00
116	V.A.Rathod	2019644	CC-2019	R - III	8,373.00
117	B.A.Patil	2019646	CC-2019	C - III	8,373.00
118	R.S.Shivankar	2019648	CC-2019	EPE - III	49,586.00
119	S.G.Jadhav	2019649	CC-2019	EPE - III	49,786.00
120	T.V.Sarane	2019650	CC-2019	EPE - III	8,373.00
121	J.R.Naik	2019651	CC-2019	R - III	8,373.00
122	P.R.Rathod	2019653	CC-2019	C - III	8,373.00
123	B.A.Thadve	2019657	CC-2019	C - III	49,586.00
124	K.K.Bulkulwar	2019658	CC-2019	EPE - III	49,586.00
125	D.V.Jagtap	2019659	CC-2019	EPE - III	49,586.00
126	M.M.Khokar	2019663	CC-2019	C - III	49,586.00
127	S.M.Saiyad	2019665	CC-2019	R - III	9,787.00

128	K.P.Raut	2019666	CC-2019	R - III	49,786.00
129	S.M.Tale	2019667	CC-2019	C - III	50,800.00
130	C.P.Bhople	2019671	CC-2019	C - III	19,787.00
131	A.A.Sudke	2019677	CC-2019	U - III	41,213.00
132	D.F.Balvir	2019679	CC-2019	EPE - III	71,000.00
133	U.A.Mukadam	2019680	CC-2019	M - III	16,000.00
134	A.F.Shaikh	2019681	CC-2019	M - III	16,000.00
135	V.G.Bhalekar	2019682	CC-2019	C - III	41,000.00
136	M.I.	2019684	CC-2019	M - III	16,000.00
137	M.M.Malik	2019685	CC-2019	M - III	16,000.00
138	M.R.Khan	2019686	CC-2019	M - III	16,000.00
	TOTAL :				50,75,460.00

- v. **Criteria for Fee waivers/scholarship**
 - a. **TFWS**
 - b. **EMPLOYEE WARD FEE CONCESSION**
 - c. **Concession given in Tution fee**
- vi. **Estimated cost of Boarding and Lodging in Hostels: NA**
- vii. **Any other fee Please specify**

10. Admissions :

10. Admission (Branch Wise)		Branch Intake			
10.1	Civil Engineering	120	120	120	
		2018-19	2019-20	2020-21	
1	Number of seats sanctioned with the year of approval	120	120	120	
2	Number of students admitted under various categories each year in the last three years				
	SC	7	3	1	
	ST	3	0	0	
	OBC (including VJNT/SBC/ESBC/EBC)	25	25	10	
	Open	22	8	8	
		57	36	19	

10. Admission (Branch Wise)		Branch Intake		
10.2	Mechanical Engineering	60	60	60
		2018-19	2019-20	2020-21

1	Number of seats sanctioned with the year of approval	60	60	60
2	Number of students admitted under various categories each year in the last three years			
	SC	3	2	0
	ST	0	0	0
	OBC (including VJNT/SBC/ESBC/EBC)	9	6	1
	Open	2	0	0
		14	8	1

10. Admission (Branch Wise)		Branch Intake		
10.3	Computer Sci. & Engineering	60	60	60
		2018-19	2019-20	2020-21
1	Number of seats sanctioned with the year of approval	60	60	60
2	Number of students admitted under various categories each year in the last three years.			
	SC	4	3	3
	ST	0	1	0
	OBC (including VJNT/SBC/ESBC/EBC)	11	27	11
	Open	11	15	10
		26	46	24

10. Admission (Branch Wise)		Branch Intake		
10.4	Electrical (Elect & Power) Engineering.	60	60	30
		2018-19	2019-20	2020-21
1	Number of seats sanctioned with the year of approval	60	60	30
2	Number of students admitted under various categories each year in the last three years			
	SC	1	0	1
	ST	0	0	0
	OBC (including VJNT/SBC/ESBC/EBC)	3	1	1
	Open	0	1	0
		4	2	2

10. Admission (Branch Wise)		Branch Intake		
10.5	Artificial Intelligence & Data Science	0	0	60
		2018-19	2019-20	2020-21
1	Number of seats sanctioned with the year of approval	0	0	30
2	Number of students admitted under various categories each year in the last three years			
	SC	0	0	1
	ST	0	0	0
	OBC (including VJNT/SBC/ESBC/EBC)	0	0	7
	Open	0	0	2
		0	0	10

10. Admission (Branch Wise)		Branch Intake		
10.6	Electronics & Tele. Engg.	30	30	0
		2018-19	2019-20	2020-21
1	Number of seats sanctioned with the year of approval	330	330	330
2	Number of students admitted under various categories each year in the last three years			
	SC	1	0	0
	ST	0	0	0
	OBC (including VJNT/SBC/ESBC/EBC)	0	4	0
	Open	1	3	0
		2	7	0

Number of applications received during last two years for admission under management Quota and number admitted: Nil

11. Admission Procedure

- i. **Mention admission test being followed, name and address of the test agency/state admission authorities and its URL.**

As per guidelines of Directorate of Technical Education, Maharashtra State for both UG and PG.
www.mahacet.org.

- ii. Number of seat allotted to different test qualified candidates separately: NA
- iii. Calendar for admission against management /vacant seats: NA

12. **Criteria and Weightages:** All the rules of admission are govern by DTE Maharashtra

13. **List of Applicants:** Application procedure is carried out by DTE Maharashtra

14. **Result of Admission under Management Seat:** All managements seats quota is surrender.

15. INFORMATION OF INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE

A. NUMBER OF CLASS ROOMS: 32 and SIZE OF CLASS ROOMS

LEVEL	ROOM TYPE	ROOM ID	SIZE	BUILDING NAME
UNDER GRADUATE	Classroom	1221	98.69	ADMINISTRATIVE
UNDER GRADUATE	Classroom	1222	118	ADMINISTRATIVE
UNDER GRADUATE	Classroom	1301	89.14	ADMINISTRATIVE
UNDER GRADUATE	Classroom	1302	83.33	ADMINISTRATIVE
UNDER GRADUATE	Classroom	1303	87.51	ADMINISTRATIVE
UNDER GRADUATE	Classroom	1304	86.75	ADMINISTRATIVE
UNDER GRADUATE	Classroom	1305	78.58	ADMINISTRATIVE
UNDER GRADUATE	Classroom	1401	110	ADMINISTRATIVE
UNDER GRADUATE	Classroom	1402	110	ADMINISTRATIVE
UNDER GRADUATE	Classroom	2218	147.06	CIVIL & ELECTRONICS
UNDER GRADUATE	Classroom	2219	116.1	CIVIL & ELECTRONICS
UNDER GRADUATE	Classroom	2311	57.33	CIVIL & ELECTRONICS
UNDER GRADUATE	Classroom	2315	86.4	CIVIL & ELECTRONICS
POST GRADUATE	Classroom	2316	57.33	CIVIL & ELECTRONICS
UNDER GRADUATE	Classroom	2317	147.06	CIVIL & ELECTRONICS
UNDER GRADUATE	Classroom	2320	147.06	CIVIL & ELECTRONICS
UNDER GRADUATE	Classroom	2321	87.03	CIVIL & ELECTRONICS
POST GRADUATE	Classroom	2322	57.33	CIVIL & ELECTRONICS
UNDER GRADUATE	Classroom	3111	77.68	MECHANICAL & IT
UNDER GRADUATE	Classroom	3112	77.68	MECHANICAL & IT
UNDER GRADUATE	Classroom	3213	77.68	MECHANICAL & IT
UNDER GRADUATE	Classroom	3214	77.68	MECHANICAL & IT
UNDER GRADUATE	Classroom	3304	104.94	MECHANICAL & IT
UNDER GRADUATE	Classroom	3316	77.68	MECHANICAL & IT
UNDER GRADUATE	Classroom	3317	77.68	MECHANICAL & IT
UNDER GRADUATE	Classroom	4112	112.55	WORKSHOP
UNDER GRADUATE	Classroom	5201	144.3	COMPUTER
UNDER GRADUATE	Classroom	5203	144.3	COMPUTER
UNDER GRADUATE	Classroom	5204	144.3	COMPUTER
UNDER GRADUATE	Classroom	5301	144.3	COMPUTER
UNDER GRADUATE	Classroom	5303	144.3	COMPUTER
POST GRADUATE	Classroom	5304	144.3	COMPUTER

B. NUMBER OF TUTORIAL ROOMS:10 AND SIZE OF EACH

LEVEL	TYPE	ID	SIZE	BUILDING
UNDER GRADUATE	Tutorial Room	2102	87.03	CIVIL & ELECTRONICS
UNDER GRADUATE	Tutorial Room	2103	33.11	CIVIL & ELECTRONICS
UNDER GRADUATE	Tutorial Room	2216	33.11	CIVIL & ELECTRONICS
UNDER GRADUATE	Tutorial Room	2318	33.11	CIVIL & ELECTRONICS
UNDER GRADUATE	Tutorial Room	2319	33.11	CIVIL & ELECTRONICS
UNDER GRADUATE	Tutorial Room	3302	39.62	Mechanical & IT
UNDER GRADUATE	Tutorial Room	6101	34.42	CLASS ROOM COMPLEX A
UNDER GRADUATE	Tutorial Room	6102	34.42	CLASS ROOM COMPLEX A
UNDER GRADUATE	Tutorial Room	6201A	33.1	CLASS ROOM COMPLEX A
UNDER GRADUATE	Tutorial Room	6202A	33.1	CLASS ROOM COMPLEX A

C. NUMBER OF LABORATORIES=51 AND SIZE OF EACH

LEVEL	TYPE	ID	SIZE	BUILDING
UNDER GRADUATE	Laboratory	1117	162.66	ADMINSTRATIVE
UNDER GRADUATE	Laboratory	1132A	67.91	ADMINISTRATIVE
UNDER GRADUATE	Laboratory	1132B	66.91	ADMINISTRATIVE
UNDER GRADUATE	Laboratory	1135	70.19	ADMINISTRATIVE
UNDER GRADUATE	Laboratory	1136	85.9	ADMINISTRATIVE
UNDER GRADUATE	Laboratory	1213	89.19	ADMINSTRATIVE
UNDER GRADUATE	Laboratory	1218	89.1	ADMINISTRATIVE
UNDER GRADUATE	Laboratory	1315	91.63	ADMINISTRATIVE
UNDER GRADUATE	Laboratory	1321	91.63	ADMINISTRATIVE
UNDER GRADUATE	Laboratory	2101	179.8	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2101C	179.8	CIVIL & ELECTRONICS
POST GRADUATE	Laboratory	2102A	67.36	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2104	87.03	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2105	66	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2112	87.03	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2113	87.03	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2114	76.43	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2114B	70	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2116	116.1	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2210	73.21	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2210A	73.22	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2212	82.5	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2213	129.45	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2215	117.99	CIVIL & ELECTRONICS

UNDER GRADUATE	Laboratory	2220	87.03	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2221	89.1	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2312	87.02	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2313	66.39	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2313E	66.39	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2323	87.03	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2324	89.1	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	2325	66.33	CIVIL & ELECTRONICS
UNDER GRADUATE	Laboratory	3101	127.8	MECHANICAL & IT
UNDER GRADUATE	Laboratory	3104	66	MECHANICAL & IT
UNDER GRADUATE	Laboratory	3104C	61.8	MECHANICAL & IT
UNDER GRADUATE	Laboratory	3114	66	MECHANICAL & IT
UNDER GRADUATE	Laboratory	3114C	61.8	MECHANICAL & IT
UNDER GRADUATE	Laboratory	3117	66	MECHANICAL & IT
UNDER GRADUATE	Laboratory	3117C	61.8	MECHANICAL & IT
UNDER GRADUATE	Laboratory	3205	66	MECHANICAL & IT
UNDER GRADUATE	Laboratory	3205C	75.12	MECHANICAL & IT
UNDER GRADUATE	Laboratory	3208	78.98	MECHANICAL & IT
UNDER GRADUATE	Laboratory	3208A	78.97	MECHANICAL & IT
UNDER GRADUATE	Laboratory	3307	62.96	MECHANICAL & IT
POST GRADUATE	Laboratory	3309	104.94	MECHANICAL & IT
UNDER GRADUATE	Laboratory	4107	59.37	WORKSHOP
UNDER GRADUATE	Laboratory	5001	71.83	COMPUTER
UNDER GRADUATE	Laboratory	5002	60.37	COMPUTER
UNDER GRADUATE	Laboratory	5102	62.52	COMPUTER
UNDER GRADUATE	Laboratory	5105	70.51	COMPUTER
UNDER GRADUATE	Laboratory	5107	75.83	COMPUTER

NUMBER OF RESEARCH LABORATORIES:04

LEVEL	TYPE	ID	SIZE	BUILDING
POST GRADUATE	Research Laboratory	2117	147.06	CIVIL & ELECTRONICS
POST GRADUATE	Research Laboratory	2211	66.15	CIVIL & ELECTRONICS
POST GRADUATE	Research Laboratory	3202	128.91	Mechanical & It
POST GRADUATE	Research Laboratory	5107A	56.37	COMPUTER

D. NUMBER OF DRAWING HALL:01 AND ITS SIZE

LEVEL	TYPE	ID	SIZE	BUILDING
UNDER GRADUATE	Drawing Hall	3206	157.95	MECHANICAL & IT

NUMBER OF WORKSHOP:08 AND ITS SIZE

LEVEL	TYPE	ID	SIZE	BUILDING
UNDER GRADUATE	Workshop	4102A	200.82	WORKSHOP
UNDER GRADUATE	Workshop	4103A	66	WORKSHOP
UNDER GRADUATE	Workshop	4110A	66	WORKSHOP
UNDER GRADUATE	Workshop	4113A	91.7	WORKSHOP
UNDER GRADUATE	Additional Workshop	4104A	111.63	WORKSHOP
UNDER GRADUATE	Additional Workshop	4105A	215.13	WORKSHOP
UNDER GRADUATE	Additional Workshop	4111A	201.82	WORKSHOP
UNDER GRADUATE	Additional Workshop	4114A	200	WORKSHOP

NUMBER OF SEMINAR HALL

UNDER GRADUATE	Seminar Hall	7301	178.25	AUDITORIUM
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E. NUMBER OF COMPUTER CENTRE AND ITS SIZE

TYPE	ID	SIZE
Language Laboratory	1136	85.9
Computer Center	3,30,53,306	162.66

F. Central Examination Facility, Number of rooms and capacity of each

ROOM TYPE	ROOM ID	Size	Capacity
Classroom	2218	147.06	60
Classroom	2219	116.1	60
Classroom	2317	147.06	70
Classroom	2320	147.06	70
Classroom	2321	87.03	40
Classroom	3111	77.68	40
Classroom	3112	77.68	40
Classroom	3213	77.68	40
Classroom	3214	77.68	40
Classroom	3304	104.94	60
Classroom	3316	77.68	40
Classroom	3317	77.68	40
Classroom	5201	144.3	60
Classroom	5203	144.3	60
Classroom	5204	144.3	60
Classroom	5301	144.3	60
Classroom	5303	144.3	60
Classroom	5304	144.3	60

G. Online examination facility (Number of nodes, internet bandwidth etc)

Sr No	Number of	Internet Bandwidth
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	Nodes	
1	260	300 Mbps

H. Barrier free built environment for disabled and elderly persons: Yes

Institute provides facilities like railing staircase for disabled and elderly persons to enter into classrooms.

I. Occupancy certificate

17/17



ESTD. 1985

Janta Shikshan Prasarak Mandal's
BABASAHEB NAIK COLLEGE OF ENGINEERING

Dr. S.H. Mahure
 BE (Civil), ME (Structure), Ph.D.
 Head of Civil Engineering Department
 Email: Shmahure@gmail.com
 Contact: 9923206877

STABILITY CERTIFICATE

I have personally inspected the existing buildings of Babasaheb Naik College of Engineering Pusad, which is constructed on the land in Survey. No. 14/3 At. Kakaddati, Tq. Pusad Dt. Yavatmal. Total land area of the institute is 30 acres and total built up area of the institute including hostels & staff quarters is 42471.87 Sq.m. The all buildings are structurally strong and sound. The RCC design of the building as per the requirement of National building code & relevant I.S. 456 and IS 1893.

Hence I am issuing this stability of the building certificate to the institute.

Place:- Pusad

Date:- 04.02.2017.



Signature of Engineer

RAED & Prof. - in-charge
RESEARCH & CONSULTANCY CELL
 B. N. College of Engineering, PUSA ?

J. Fire and safety certificate



K. Hostel facility

Sr no	Hostel Name	Type	Capacity
1	Hostel No 1	Boys Hostel	144

2	Hostel No 2	Boys Hostel	186
3	Hostel No 3	Boys Hostel	276
4	Hostel No 4	Boys Hostel	276
5	Hostel No5	Girls Hostel	154
6	Hostel No 6	Girls Hostel	118

L. LIBRARY

i. NUMBER OF LIBRARY BOOKS

sn	course	No. of titles(Gen. Books)	No. of volumes Gen. Books)	No. of titles(Book Bank (bb). Books)	No. of volumes(bb Books)	Journals	
						National	Inter-national
1,	Civil Engineeng	1239	5459	171	2730	08	DELNET400 online e_journals
2.	Mechanical Engineering	166	6865	223	4378	07	
3.	Electroics & tele. Engg.	2047	8205	191	4108	08	
4,	Electric & power	39	413	42	743	03	
5.	Computer sc. Engg.	2120	7966	196	4719	---	
6.	inf. Tech	NIL	NIL	24	320	---	
7.	Physics	135	775	37	355	02	
8.	Chemistry	166	705	34	428	02	
9.	Maths.	162	1198	37	567	03	
10.	Others	2789	4903	NIL	NIL	16	
	TOTAL	8863	36489	955	18348	49	

ii. LIST OF ONLINE NATIONAL/INTERNATIONAL JOURNAL SUBSCRIBE

Sr.No	Mechanical Engineering
1	Advances in Automobile Engineering
2	International Journal of Automotive engineering
3	Journal of Mechanical and Automobile Engineering
4	Engine & Automotive Engineering
5	International Journal of Automotive Engineering & Technologies
6	Journal of Advances in Vehicle Engineering
7	International Journal of Automotive and Mechanical Engineering
8	International Journal of Research in Mechanical Mechatronics and automobile engineering (IJRMMAE)
9	Open Engineering

10	Journal of Mechanical Engineering and Biomechanics
11	Romanian Journal of Automotive Engineering
12	International Research Journal of Automotive Technology
13	Annals of the University of Oradea. Fascicle of Textiles, Leatherwork
14	Fibres & Textiles in Eastern Europe
15	International Journal of Materials, Mechanics and Manufacturing
16	International Journal of Manufacturing Engineering
17	Journal of Engineering and Manufacturing Technology
18	MADERAS : Ciencia y Tecnología
19	Manufacturing Review
20	Advances in Mechanical Engineering
21	Advances in Tribology
22	American Journal of Mechanical Engineering
23	American Journal of Mechanical Engineering and Automation
24	Electronic Journal of Boundary Elements
25	International Journal of Aerospace and Mechanical Engineering
26	International Journal of Applied Research in Mechanical Engineering(IJARME)
27	International Journal of Mechanical Engineering and Applications
28	International Journal of Mechanical Engineering and Robotics Research
29	International Journal of Research in Mechanical Engineering
30	International Journal of Research in Mechanical Engineering and Technology(IJRMET)
31	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
32	ISRN Mechanical Engineering
33	Jordan Journal of Mechanical and Industrial Engineering
34	Journal of Applied Fluid Mechanics
35	Journal of Computational and Applied Mechanics
36	Journal of Fundamentals of Renewable Energy and Applications
37	Journal of Mechanical Engineering and Technology
38	Journal of Naval Architecture and Marine Engineering
39	Journal of Robotics
40	Mechanical Engineering Research
41	Modern Mechanical Engineering
42	Periodica Polytechnica Mechanical Engineering
43	The Open Mechanical Engineering Journal
44	Thermal Science
45	Geomaterials
46	Journal of Metallurgy
47	Journal of Mining and Metallurgy, Section B : Metallurgy
48	Platinum Metals Review

S.No.	Computer Science
1.	Advanced Computing : an International Journal

2.	Advances in Artificial Intelligence
3.	Advances in Electrical and Computer Engineering
4.	Advances in Human-Computer Interaction
5.	Advances in Internet of Things
6.	Advances in Multimedia
7.	Advances in Software Engineering
8.	The African Journal of Information Systems
9.	Ajis : Australasian Journal of Information Systems
10.	Applied Computational Intelligence and Soft Computing
11.	Brain. Broad Research in Artificial Intelligence and Neuroscience
12.	British Journal of Mathematics & Computer Science
13.	Communications and Network
14.	Computational Intelligence and Neuroscience
15.	Computer and Information Science
16.	Computer Science and Information Systems
17.	Crosstalk : Journal of Defense Software Engineering
18.	Database : the Journal of Biological Databases and Curation
19.	Database Systems Journal
20.	Digital Culture & Education
21.	e-Informatica Software Engineering Journal
22.	E-learning and Education
23.	Economy Informatics
24.	Electronic Communications of the EASST
25.	Electronic Journal of Information Systems Evaluation
26.	Engineering Letters
27.	EURASIP Journal on Information Security
28.	First Monday

29.	Future Internet
30.	Game Studies
31.	Human Technology
32.	IAENG International Journal of Computer Science
33.	Indian Journal of Computer Science and Engineering
34.	Information Technologies and International Development
35.	Information Technology Journal
36.	Intelligent Control and Automation
37.	Intelligent Information Management
38.	Interdisciplinary Journal of Information, Knowledge, and Management
39.	International Arab Journal of e-Technology
40.	The International Arab Journal of Information Technology
41.	International Journal of Ad Hoc, Sensor & Ubiquitous Computing
42.	International Journal of Advanced Computer Sciences and Applications
43.	International Journal of Advanced Information Technology
44.	International Journal of Advanced Networking and Applications
45.	International Journal of Advances in Soft Computing and Its Applications
46.	International Journal of Artificial Intelligence & Applications
47.	International Journal of Communication Networks and Information Security
48.	International Journal of Computer Games Technology
49.	International Journal of Computer Networks & Communications
50.	International Journal of Computer Science & Applications
51.	International Journal of Computer Science & Information Technology
52.	International Journal of Computer Science and Communication Networks
53.	International Journal of Computer Science and Engineering Survey
54.	International Journal of Computer Science and Information Technologies
55.	International Journal of Computer Science and Management Studies

56.	International Journal of Computer Science Issues
57.	International Journal of Computer Science, Engineering and Applications (IJCSEA)
58.	International Journal of Computer Technology and Applications
59.	International Journal of Database Management Systems
60.	International Journal of Distributed and Parallel Systems
61.	International Journal of Distributed Sensor Networks
62.	International Journal of Doctoral Studies
63.	International Journal of Education and Development using Information and Communication Technology
64.	International Journal of Engineering Science and Technology
65.	International Journal of Enterprise Computing and Business Systems
66.	International Journal of Future Generation Communication and Networking
67.	International Journal of Grid and Distributed Computing
68.	International Journal of Hybrid Information Technology
69.	International Journal of Image, Graphics and Signal Processing
70.	International Journal of Information Engineering and Electronic Business
71.	International Journal of Information Technology and Computer Science
72.	International Journal of Information Technology Convergence and Services (IJITCS)
73.	International Journal of Intelligent Systems and Applications
74.	International Journal of Managing Information Technology
75.	International Journal of Modern Education and Computer Science
76.	International Journal of Modern Education and Computer Science
77.	International Journal of Multimedia & Its Applications
78.	International Journal of Multimedia and Ubiquitous Engineering
79.	International Journal of Network Security
80.	International Journal of Network Security & Its Applications
81.	International Journal of Next-Generation Networks

82.	International Journal of Public Information Systems
83.	International Journal of Reconfigurable Computing
84.	International Journal of Signal and Image Processing
85.	International Journal of Signal Processing, Image Processing and Pattern Recognition
86.	International Journal of Simulation : Systems, Science and Technology
87.	International Journal of Smart Home
88.	International Journal of Software Engineering & Applications
89.	International Journal of Software Engineering and Its Applications
90.	International Journal of u- and e- Service, Science and Technology
91.	International Journal of UbiComp
92.	International Journal of VLSI Design & Communication Systems
93.	International Journal of Web & Semantic Technology
94.	International Journal of Wireless & Mobile Networks
95.	International Journal on Applications of Graph Theory in Wireless ad hoc Networks and Sensor Networks
96.	International Journal on Computer Science and Engineering
97.	International Journal on Electrical Engineering and Informatics
98.	International Journal on Smart Sensing and Intelligent Systems
99.	International Journal on Soft Computing
100.	Internetworking Indonesia Journal
101.	Journal of Artificial Intelligence
102.	The Journal of Artificial Intelligence Research
103.	Journal of Community Informatics
104.	Journal of Machine Learning Research
105.	Journal of Software Engineering and Applications
106.	Journal of Systemics, Cybernetics and Informatics
107.	Journal of Theoretical and Applied Electronic Commerce Research

108.	Journal of Theoretical and Applied Information Technology
109.	Scientific Annals of Computer Science
110.	Signal & Image Processing
111.	Systems, Signs & Actions
112.	Theory and Applications of Mathematics & Computer Science
113.	Transactions on Data Privacy
114.	Wireless Sensor Network

S.No.	Electrical Engineering
1.	Active and Passive Electronic Components
2.	Advances in Electrical and Electronic Engineering
3.	Advances in Fuzzy Systems
4.	Advances in Power Electronics
5.	Bulletin of the Institute of Heat Engineering
6.	Circuits and Systems
7.	Energy and Power Engineering
8.	ETRI Journal
9.	EURASIP Journal on Advances in Signal Processing
10.	EURASIP Journal on Bioinformatics and Systems Biology
11.	EURASIP Journal on Embedded Systems
12.	International Journal of Antennas and Propagation
13.	International Journal of Design, Analysis and Tools for Integrated Circuits and Systems
14.	International Journal of Microwave Science and Technology
15.	International Journal of Vehicular Technology
16.	Journal of Electrical and Electronics Engineering
17.	Journal of Electrical Systems
18.	Journal of Low Power Electronics and Applications
19.	Journal of Power Technologies
20.	Journal of Sensor Technology
21.	Journal of Signal and Information Processing
22.	Majlesi Journal of Electrical Engineering
23.	Micromachines
24.	Nuclear Technology and Radiation Protection
25.	Open Electrical & Electronic Engineering Journal
26.	Open Signal Processing Journal
27.	Science and Technology of Nuclear Installations
28.	Turkish Journal of Electrical Engineering and Computer Sciences
29.	VLSI Design
30.	Wireless Engineering and Technology

S.No.	Civil Engineering
1.	Advances in Civil Engineering
2.	Advances in Materials Physics and Chemistry
3.	Advances in Materials Science and Engineering
4.	Advances in OptoElectronics
5.	American Journal of Engineering and Applied Sciences
6.	Annals of the Faculty of Engineering Hunedoara
7.	Applied Computational Intelligence and Soft Computing
8.	Bulletin of Materials Science
9.	Carbon : Science and Technology
10.	Civil Engineering Dimension
11.	International Journal of Differential Equations
12.	E-Preservation Science
13.	Engineering
14.	Engineering Journal
15.	EURASIP Journal on Image and Video Processing
16.	eXPRESS Polymer Letters
17.	Facta Universitatis Series : Architecture and Civil Engineering
18.	Indian Journal of Engineering & Materials Sciences
19.	Indian Journal of Fibre & Textile Research
20.	International Journal for Service Learning in Engineering
21.	International Journal of Corrosion
22.	International Journal of Engineering Research and Applications
23.	International Journal of Gender, Science and Technology
24.	International Journal of Innovative Technology and Creative Engineering
25.	International Journal of Nano Dimension
26.	International Journal of Quality, Statistics, and Reliability
27.	International Journal of Research and Reviews in Applied Sciences
28.	International Journal of Rotating Machinery
29.	ISRN Civil Engineering
30.	ISRN Materials Science
31.	Journal of Biological Engineering
32.	ARPJ Journal of Engineering and Applied Sciences
33.	Journal of Nanomaterials
34.	Journal of Technology and Science Education
35.	Management Science and Engineering
36.	Materials
37.	Materials Research
38.	Materials Sciences and Applications
39.	Mathematical Problems in Engineering
40.	Modelling and Simulation in Engineering
41.	Open Civil Engineering Journal
42.	Open Materials Science Journal
43.	Open Ocean Engineering Journal
44.	Open Petroleum Engineering Journal
45.	Research Journal of Applied Sciences, Engineering and Technology
46.	Research Letters in Nanotechnology
47.	Reviews on Advanced Materials Science

48.	Smart Materials Research
49.	World Journal of Mechanics
50.	Buildings
51.	Construction Economics & Buildings
52.	International Journal of Advanced Structural Engineering
53.	International Journal of Civil and Structural Engineering
54.	International Journal of sustainable Construction & Design
55.	Journal of Construction in Developing Countries
56.	Journal of Information Technology in Construction
57.	Lean Construction Journal
58.	Open Construction & Building Technology Journal
59.	Organization, Technology and Management in Construction: An International Journal
60.	Sustainable Buildings
61.	Advances in Materials Physics and Chemistry
62.	Advances in Materials Science and Engineering
63.	E-Preservation Science
64.	eXPRESS Polymer Letters
65.	Fracture and Structural Integrity
66.	Indian Journal of Fibre & Textile Research
67.	International Journal of Corrosion
68.	International Journal of Nano Dimension
69.	Journal of Applied Fluid Mechanics
70.	Journal of Nanomaterials
71.	Materials
72.	Materials Research
73.	Materials Sciences and Applications
74.	Open Corrosion Journal
75.	Open Materials Science Journal
76.	Science and Technology of Advanced Materials
77.	Smart Materials Research
78.	World Journal of Mechanics
79.	Drinking Water Engineering and Science
80.	International Journal of Geo-Engineering
81.	International Journal of Sustainable Lighting
82.	International Journal of Hydraulic Engineering
83.	Journal of Water Resource and Hydraulic Engineering
84.	Journal of Water and Land Development
85.	Open Hydrology Journal
86.	Water Science
87.	Water Science and Engineering
88.	Aviation in Focus : Journal of Aeronautical Sciences
89.	European Journal of Transport and Infrastructure Research
90.	European Transport Research Review
91.	INCAS Bulletin
92.	International Journal for Traffic and Transport Engineering
93.	International Journal of Aerospace Engineering
94.	International Journal of Lean Thinking

95.	Journal of Public Transportation
96.	Journal of Transport and Land Use
97.	Journal of Transportation Technologies
98.	Open Transportation Journal
100.	Open Aerospace Engineering Journal

S.No.	Electronics Engineering
1.	American Journal of Operations Research
2.	Batteries
3.	Engineering, Technology & Applied Science Research
4.	International Journal of Industrial Chemistry
5.	International Journal of Industrial Engineering & Production Research
6.	International Journal of Industrial Engineering Computations
7.	International Journal of Production Management & Engineering
8.	Journal of Engineering & Technological Sciences
9.	Journal of Engineering, Project & Production Management
10.	Journal of Industrial Engineering and Management
11.	Journal of Industrial Engineering International
12.	Journal of Information System & Technology Management
13.	Journal of Optimization in Industrial Engineering
14.	Open Automation and Control Systems Journal
15.	Open Industrial & Manufacturing Engineering Journal
16.	Open Operational Research Journal
17.	American Journal of Electronics & Communication
18.	American Journal of Embedded Systems and Application
19.	EURASIP Journal on Embedded System
20.	International Journal of Advanced Research in Electronics and Communication Engineering
21.	International Journal of Circuits , System and Signal Processing
22.	International Journal of Communication and Computer Technologies
23.	International Journal of Computer and Communication Engineering
24.	International Journal of Electrical and Electronic Engineering & Telecommunication
25.	International Journal of Electrical, Electronics and Data Communication(IJEEDC)
26.	International Journal of Electronics and Communication Engineering and Technology (IJECET)
27.	International Journal of Electronics and Telecommunications
28.	International Journal of Engineering Research in Electronics and Communication Engineering
29.	International Journal of Modern Electronics and Communication Engineering
30.	International Journal of VLSI Design & Communication Systems (VLSICS)
31.	International Journal of Wireless & Mobile Network (IJWMN)
32.	IOSR Journal of Electronics and Communication Engineering(IOSR-JECE)
33.	Journal of Electronics and Communication Engineering Research

S.No.	Applied Science
1.	Advances in Petroleum Exploration and Development
2.	American Journal of Food Technology
3.	American Journal of Polymer Science & Engineering
4.	Applied Nanoscience
5.	Autex Research Journal
6.	Batteries
7.	Beilstein Journal of Nanotechnology
8.	Bioceramics Development and Applications
9.	Bioresources and Bioprocessing
10.	Brazillian Journal of Chemical Engineering
11.	Carpathian Journal of Food Science and Technology
12.	Chemical Engineering Research Bulletin
13.	Czech Journal of Food Sciences
14.	Electrochemistry Journal
15.	Energies
16.	eXPRESS Polymer Letters
17.	Fuels and Energy Science Journal
18.	Hungarian Journal of Industry and Chemistry
19.	Indian Journal of Chemical Technology
20.	International Journal of Chemical Engineering
21.	International Journal of ChemTech Research
22.	International Journal of Electrochemical Science
23.	International Journal of Industrial chemistry
24.	International Journal of Polymer Science
25.	Ion Exchange Letters
26.	Johnson Matthey Technology Review
27.	Journal of Cheminformatics
28.	Journal of Engineering & Technological Sciences
29.	Journal of Excipients and Food Chemicals
30.	Nanochemistry Research
31.	Nanotechnology, Science and Applications
32.	New Journal of Glass and Ceramics
33.	Oil & Gas Science and Technology
34.	Scientific Study & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry
35.	South African Journal of Chemical Engineering
36.	Synthetic and system biotechnology

S.No.	Others
1.	Defence Science Journal
2.	Journal of Defense Resources Management
3.	Journal of Military and Strategic Studies

4.	Journal of Strategic Security
5.	Scientia Militaria : South African Journal of Military Studies
6.	Acta Periodica Technologica
7.	Advances in Natural Sciences : Nanoscience and Nanotechnology
8.	Advances in Operations Research
9.	Design and Technology Education: An International Journal
10.	E-Journal of Surface Science and Nanotechnology
11.	EURASIP Journal on Wireless Communications and Networking
12.	FibreCulture Journal
13.	International Journal of Advances in Engineering and Technology
14.	International Journal of Emerging Technologies and Society
15.	International Journal of Engineering and Technology
16.	International Journal of Innovative Technology and Creative Engineering
17.	International Journal of Nanotechnology
18.	International Journal of Applied Research and Technology
19.	Journal of Engineered Fibers and Fabrics
20.	Journal of Information Systems and Technology Management
21.	Journal of Nanotechnology
22.	Journal of Scientific & Industrial Research
23.	Journal of Sensors
24.	Journal of STEM Education : Innovations and Research
25.	Journal of Technology Education

26.	Journal of Technology Management & Innovation
27.	Journal of Technology Research
28.	Journal of the Japan Petroleum Institute
29.	Maejo International Journal of Science and Technology
30.	Management Science and Engineering
31.	Nano-Micro Letters
32.	Northwestern Journal of Technology and Intellectual Property
33.	Open Journal of Safety Science and Technology
34.	Open Nanoscience Journal
35.	Open Renewable Energy Journal
36.	Pacific Journal of Science and Technology
37.	Sensors
38.	Soft Nanoscience Letters
39.	World Journal of Nano Science and Engineering

iii. E-LI

iv.

v. Y

iii. E-Library Facilities

OPAC: On-line-public-access catalogue is available for searching. E-Library facilities are provided in internet laboratory with 30 P-IV computers along with ear phone. Students can use these facilities for internet, reading online journals, course CDs & e-books. Audio-Video: IIT Experts lectures CD's with LED TV & Sound System worth Rs. 1 lakh, Communication Skills CD's 52, and Educational Audio-Video technical CD's 304. On line courses through Swayam and NPTEL can be access in Library.

iv. Institute has subscriptions of NDL: Yes

M. Laboratory and Workshop

i. Civil Engineering Department

a. List of Major Equipments in Civil Engg. Laboratory:

S.No .	Name of the Laboratory	Major Equipment
01	Fluid Mechanics	Pipes & fitting including electrical fittings. Propeller Current meter & digital display, Titling Flume (6 meter length)
02	Soil Mechanics	Direct Shear Test, Triaxial Test, C.B.R. Apparatus, Soil Trimmer (NISCO) (Motorized), Plate bearing Test Apparatus With Accessories, Oil/Water, constant pressure System for Tri axial Test, Earth resistivity meter With Accessories, C.B.R. mould made of steel metal (IS.9669) (6 nos.), AFCOSET ELECT. Analysis Balance (Cap – 120 gms, Accuracy – 0.1 mg.)
03	Transportation Engg.	Los Angle's abrasion test M/c, Deval's abrasion test M/c, Marshal stability apparatus.
04	Environmental Engineering	Vertical Autoclave, Spectrophotometer (Digital spectrochlem), Incubator (Biological), Remis Incubator (Cooling), Water Analyzer kit, Photo flame meter Digital), Glass wares, Glass Double distillation plant. High volume air sampler, Centrifuge model, A.C. Voltage stabilizer, Spectrophotometer.
05	Survey	Transit Vernier Theodolites (6 nos.), Automatic level, Shamiyana, Shoulderies & single fly staff officer tent. Tarpaulins, Prismatic Compass Tape 30 mt. leveling staves. Transit Vernier & etc. Kanats & officers Tents. Through Compass Everest man Vernier Transit Theodolite (6 nos.), Tarpolines (15x15 Ft. – 5 nos.) (21x24 Ft – 2 nos.), (18x12 Ft - 2 nos.), (9x9 Ft – 3 nos.), Digital planimeter palcom (model KP, 90N) (3 nos.), Glob for Measurement of Latitude And Longitude, Chetak Verniour Transit Thedolite (3 nos.).
06	Material Testing	Universal Testing machine, Impact testing machine, Fatigue testing machine, Extensometer, Shear testing apparatus, Tensile Testing machine (upto 500 kg.), Torsion Testing Machine 50 Kgm
07	Concrete Technology	C Compression testing machine, Electronic Balance Capacity 15 kg. Accuracy 1 gm.), Automated curing tank, Concrete Permeability apparatus, Air Compressor for Concrete Permeability apparatus
08	Structural Engineering	Begg's Deformator, Research Polariscope, Universal Frame, Strain gauge, Software of STADD III 2 master disk + 8 other disk - Loading Frame 100 tons capacity, Deflection of Trusses Apparatus, Begg's Diformeter Set

09	Computer Lab.	Printer Dot matrix L&T L32 160 CPS, Room Air Conditioner, Voltage stabilizer with Buck & Buster, APLAB static voltage stabilizer – 2 KVA, Automatic voltage regulator NEWLITE make – 4 KVA, STADD III/ISDS Module Ver 11.1, Pentium Computer System, PC/AT-286, Computer System, Pentium 4 with 128 MB RAM (2 nos.), Pentium 4 with 256 MB RAM (2 nos.), Auto Architect desktop software Version 3.3, Dot matrix printer, Panasonic PT-PC50E micro portable LCD Projector, Kodak Ektalite E-30 Overhead Projector, Intel P-4 2.4 Ghz(BOX) with intel 845GVSR Original M/B 256 MB DDR SD RAM, Printer DMP 136 Col. 24Pin 342 CPSIL X1170 (10 nos.), H.P. Laser Printer 1015, HP Dx 2300 Intel Dual Core 2.8 GHZ, Laptop (HP), AC 2 T. (Blue Star make), CADian Professional 2008 site license, Constructor 2007, Estimator 2007, ETABS (5 nos.), STAAD.Pro, ETABS NL_V9.5 (10 Users)
10	Hydraulic Machines	Palton Wheel Test rig, Francis turbine test rig, Centrifugal pump test rig, Universal air lift pump
11	Geology	Polarized microscope (04 nos.)

b. List of Experimental Setup each laboratory of Civil Engg. Department:

Sr.No.	Name of Laboratory	List of Experiments
01	SOIL ENGINEERING LABORATORY (GEOTECHNICAL ENGINEERING-II)	<ol style="list-style-type: none"> 1. To determine the shear strength by conducting Field Vane shear test. 2. To identify the subsoil strata by conducting soil resistivity/ seismic refractivity method 3. To determine the bearing capacity of soil by conducting standard penetration test 4. To determine the soil characteristic by conducting standard penetration test 5. To determine the soil properties by conducting the static cone penetration test. 6. Computation of bearing capacity by analytical approach to verify with field test 7. To determine the C- characteristic with respect to soil log bore presentation and interpretation of exploration 8. To examine the soil characteristic with respect to soil log bore presentation and interpretation of exploration
	SOIL ENGINEERING LABORATORY (GEOTECHNICAL ENGINEERING-I)	<ol style="list-style-type: none"> 1. DETERMINATION OF SPECIFIC GRAVITY OF SOIL SOLIDS 1BY PYCNOMETER, DENSITY BOTTLE. 2. DETERMINATION OF MOISTURE CONTENT BY OVEN DRYING METHOD. 3. DETERMINATION OF FIELD DENSITY OF THE SOIL BY SAND REPLACEMENT / CORE CUTTER METHOD. 4.DETERMINATION OF GRAIN SIZE DISTRIBUTION BY MECHANICAL SIVES ANALYSIS. 5.DETERMINATION OF ATTERBERGS LIMITS (LIQUID LIMIT, PLASTIC LIMIT AND SHRINKAGE LIMIT). 6. DETERMINATION OF COMPACTION PROPERTIES. (STANDARD PROCTOR TEST) 7.DETERMINATION OF PERMEABILITY OF FALLING HEAD TEST. 8.DETERMINATION OF SHEAR STRENGTH PARAMETERS BY DIRECT SHEAR TEST 9.DETERMINATION OF UNCONFINED COMPRESSIVE STRENGTH OF SOIL.

Sr.No.	Name of Laboratory	List of Experiments
		<p>10.DETERMINATION OF SHEAR STRENGTH PARAMETERS BY TRIAXIAL OF U.U. TYPE.</p> <p>11. C. B. R. TEST.</p> <p>12.CONSolidation TEST</p>
02	<p>FLUID MECHANICS LABORATORY (FLUID MECHANICS-I)</p>	<p>1.TO VERIFY THE BERNOULLI'S THEOREM EXPERIMENTALLY.</p> <p>2.TO DETERMINE TYPE OF FLOW USING REYNOLDS EXPERIMENT</p> <p>3.TO DETERMINE COEFFICIENT OF DISCHARGE FOR VENTURIMETER</p> <p>4.TO DETERMINE COEFFICIENT OF DISCHARGE FOR ORIFICE METER</p> <p>5.TO FIND THE VALUE OF COEFFICIENT OF CONTRACTION, COEFFICIENT OF VELOCITY AND COEFFICIENT OF DISCHARGE FOR GIVEN CIRCULAR ORIFICE</p> <p>6.TO DETERMINE METACENTRIC HEIGHT OF FLOATING VESSEL.</p> <p>7.TO DETERMINE FRICTION FACTOR FOR G.I. PIPES USING DARCY'S EQUATION.</p> <p>8.TO DETERMINE COEFFICIENT OF DISCHARGE FOR RECTANGULAR NOTCH FOR UNIFORM FLOW CONDITION.</p> <p>9.TO DETERMINE COEFFICIENTS OF DISCHARGE FOR TRIANGULAR NOTCH.</p>
	<p>FLUID MECHANICS LABORATORY (FLUID MECHANICS-II)</p>	<p>1.TO FIND VALUE OF CHEZY'S CONSTANT FOR UNIFORM CHANNEL FLOW.</p> <p>2.TO STUDY THE FORMATION OF HYDRAULIC JUMP AND TO FIND THE CHARACTERISTICS OF JUMP</p> <p>3.TO CALIBRATE A VENTURI FLUME.</p> <p>4.TO VERIFY MOMENTUM EQUATION FOR FIXED PLATE BY IMPACT OF JET.</p> <p>5.TO FIND THE MECHANICAL EFFICIENCY OF A CENTRIFUGAL PUMP.</p> <p>6.TO FIND THE PERCENT SLIP FOR RECIPROCATING PUMP</p> <p>7.TO DETERMINE THE EFFICIENCY OF A PELTON WHEEL.</p> <p>8.TO DETERMINE THE EFFICIENCY OF A FRANCIS TURBINE.</p> <p>9.TRIAL ON HYDRAULIC RAM</p>

Sr.No.	Name of Laboratory	List of Experiments
03	MATERIAL TESTING LABORATORY (STRENGTH OF MATERIALS AND MECHANICS OF MATERIAL)	1.TO DETERMINE MODULUS OF ELASTICITY AND ULTIMATE STRESS FOR MILD STEEL ROD. 2.TO DETERMINE COMPRESSIVE STRESS IN ALUMINIUM, BRASS, COPPER, CONCRETE AND BRICKS. 3.TO DETERMINE SHEAR STRENGTH OF M.S. BAR IN SINGLE AND DOUBLE SHEAR. 4.TO DETERMINE TOUGHNESS OF ALUMINIUM, BRASS AND COPPER, ON (CHARPY) IMPACT TESTING MACHINE. 5.TO DETERMINE BRINELL HARDNESS NUMBER OF METALS. 6.TO DETERMINE MODULUS OF RIGIDITY OF A MILD STEEL ROD. 7.TO DETERMINE MODULUS OF RUPTURE 8.TO DETERMINE DEFLECTION OF MILD STEEL CIRCULAR ROD UNDER BENDING.
04	ENGINEERING MECHANICS LABORATORY (ENGINEERING MECHANICS)	1.DETERMINATION OF FORCES IN THE MEMBERS OF JIB CRANE. 2.DETERMINATION OF REACTIONS AT THE SUPPORTS OF SIMPLY SUPPORTED BEAM. 3.VERIFICATION OF LAW OF PARALLELOGRAM 4.DETERMINATION OF COEFFICIENT OF SLIDING FRICTION.- INCLINED PLANE 5.DETERMINATION OF COEFFICIENT OF COIL FRICTION. 6.DETERMINATION OF VELOCITY RATIO, LAW OF MACHINE FOR I) SIMPLE SCREW JACK II) DIFFERENTIAL WHEEL AND AXLE III) WORM WHEEL IV) SINGLE & DOUBLE PURCHASE CRABS 7.DETERMINATION OF MASS MOMENT OF INERTIA OF FLY WHEEL 8.DETERMINATION OF 'G' BY COMPOUND PENDULUM
05	STRUCTURAL ENGINEERING LABORATORY (THEORY OF STRUCTURE-II)	1.DETERMINATION OF HORIZONTAL THRUST OF A THREE HINGED SYMMETRICAL PARABOLIC ARCH. 2.DETERMINATION OF HORIZONTAL THRUST OF A TWO HINGED SEMICIRCULAR ARCH 3.VERIFICATION OF BETTI'S THEOREM 4.VERIFICATION OF MAXWELL'S THEOREM 5.CALIBRATION OF POLARISCOPE. 6.DETERMINATION OF DEFLECTION OF TRUSS. 7.VERIFICATION OF MULLER BRESLAU'S PRINCIPLE 8.MINIMUM TWO EXERCISES BASED ON THEORY.

Sr.No.	Name of Laboratory	List of Experiments
06	CONCRETE TECHNOLOGY LABORATORY	<p>1.Fineness of cement: To find fineness of cement by sieving through 90-micron sieve (IS: 4031 PT-I- 1996)</p> <p>2.Soundness of cement: To find of soundness of cement by Le-Chatelier apparatus (IS: 4031 PT-3-1996)</p> <p>3.Consistency and setting time of the cement: To find percentage water required for standard consistency and initial and final setting time of cement by Vicat's apparatus(IS:4031 PT-4,5-1996).</p> <p>4.Compressive strength of cement: To find out 3, 7 and 28 days compressive strength of 1:3 cement mortar cubes (IS: 4031 PT-6-1996).</p> <p>5.Sieve analysis of aggregate: To find out fineness modulus of fine as well as coarse aggregates (IS:2386, PT-2-1963).</p> <p>6.Bulking of sand: To find out bulking of sand (fine aggregate) (IS: 2386 PT-3-1963).</p> <p>7.Silting of sand: To find out silting in fine aggregate (IS:2386 PT-3-1963).</p> <p>8.Workability by slump cone test: To find out workability of concrete by slump test (IS:1199-1959).</p> <p>9.Workability by compaction factor test: To find out workability of concrete by compaction factor apparatus (IS:1999-1959).</p> <p>10.Workability by flow table method: To determine workability of concrete by flow table apparatus (IS:1999-1959).</p> <p>11.Compressive strength of concrete: To determine 7 and 28 days compressive strength of concrete (IS:516-1959).</p> <p>12.Mix Design: To design the mix proportions by I. S. code method (IS:10262-1982).</p> <p>Additional experiments:</p> <p>1.Air – entrained test: To determine the percentage air entrapped in the concrete mass by pressure method (IS: 1199-1959).</p> <p>2.Drying shrinkage: To determine drying shrinkage of concrete by length comparator (IS:1199-1959).</p> <p>3.Permeability of concrete: To determine permeability of concrete by pressure method (IS:3085-1965).</p> <p>4.Splitting tensile strength: To determine splitting tensile strength of concrete by Brazilian method (IS: 516-1959).</p> <p>5.Flexural strength: To determine flexural strength of concrete (IS:516-1959).</p>
07	SURVEYING LABORATORY (SURVEYING-I)	<p>1.CHAIN AND COMPASS SURVEYING- TO DO TRAVERSING IN THE FIELD BY CHAIN AND COMPASS METHOD.</p> <p>2.L SECTION & C SECTION OF ROAD- TO PLOT LONGITUDINAL AND CROSS SECTION OF A ROAD SURVEY.</p> <p>3.PLANE TABLE SURVEY- TO DO TRAVERSING IN THE FIELD BY PLANE TABLE SURVEY METHOD.</p> <p>4.HEODOLITE TRAVERSE- TO DO TRAVERSING IN THE FIELD BY MEANS OF THEODOITE.</p> <p>5.STUDY AND USE OF MINOR INSTRUMENTS –</p>

Sr.No.	Name of Laboratory	List of Experiments
		<p>ABNEY LEVEL, BOX SEXTANT, TANGENT CLINOMETER, GHAT TRACER AND PLANIMETER.</p> <p>6.MEASUREMENT OF AREA OF A IRREGULAR FIGURE BY DIGITAL PLANIMETER.</p> <p>7.A RESIDENTIAL CAMP OF ABOUT 8 DAYS SHELL BE HELD TO COLLECT SURVEY DATA REQUIRED FOR</p> <p>I) ROAD PROJECT OF</p> <p>II) IRRIGATION PROJECT OR</p> <p>III) WATER SUPPLY PROJECT</p> <p>8. ALL THE RELEVANT DRAWING WORK ON A-1 SIZE SHEETS, FIELD BOOK AND REPORT SHALL ALSO BE SUBMITTED BY EACH CANDIDATE.</p>
	<p>SURVEYING LABORATORY</p> <p>(SURVEYING-II)</p>	<p>1.TO DETERMINE ADDITIVE AND MULTIPLYING CONSTANTS OF TACHEOMETER.</p> <p>2.DETERMINATION OF HORIZONTAL AND VERTICAL DISTANCES OF THE POINTS BY USING A TACHEOMETER.</p> <p>3.TO SET A SIMPLE CIRCULAR CURVE IN THE FIELD BY OFFSETS FROM LONG CHORD METHOD.</p> <p>4.TO SET A SIMPLE CIRCULAR CURVE IN THE FIELD BY OFFSETS FROM TANGENT METHOD</p> <p>5.TO SET A SIMPLE CIRCULAR CURVE IN THE FIELD BY RANKINE’S METHOD. (TANGENTIAL ANGLE OR DEFLECTION ANGLE METHOD)</p> <p>6.TO SET A SIMPLE CIRCULAR CURVE IN THE FIELD BY TWO THEODOLITE METHOD</p> <p>7.TO PERFORM TRIANGULATION IN THE FIELD BY SATELLITE STATION (REDUCTION TO CENTER)</p> <p>8.MEASUREMENT OF A BASE LINE.</p>
<p>08</p>	<p>TRANSPORTATION LABORATORY</p>	<p><u>TESTS ON AGGREGATE:</u></p> <p>1.DETERMINATION OF LOS ANGELES VALUE.</p> <p>2.DETERMINATION OF ABRASION VALUE OF AGGREGATES BY THE USE OF DEVIL MACHINE.</p> <p>3.DETERMINATION OF AGGREGATE IMPACT VALUE.</p> <p>4.DETERMINATION OF AGGREGATE CRUSHING VALUE</p> <p>5.DETERMINATION OF FLAKNESS AND ELONGATION INDEX OF AGGREGATE</p> <p><u>TESTS ON BITUMEN:</u></p> <p>6.DETERMINATION OF PENETRATION VALUE OF BITUMEN.</p> <p>7. DETERMINATION OF VISCOSITY OF BITUMINOUS MATERIALS.</p> <p>8.DETERMINATION OF SOFTTENING POINT OF BITUMINOUS MATERIALS.</p>

Sr.No.	Name of Laboratory	List of Experiments
		9.DETERMINATION OF DUCTILITY OF BITUMEN. 10.DETERMINATION OF FLASH POINT AND FIRE POINT OF BITUMINOUS MATERIALS 11.DETERMINATION OF MARSHAL STABILITY VALUE
09	GEOLOGY LABORATORY	1.MICROSCOPIC STUDY OF COMMON ROCK FORMING MINERALS AND ORE MINERALS. 2.MICROSCOPIC STUDY OF THE COMMON IGNEOUS, SEDIMENTARY AND METAMORPHIC ROCKS. 3.GEOLOGICAL MAP READING AND CONSTRUCTION OF SECTION FROM SIMPLE GEOLOGICAL MAPS WITH ENGINEERING PROBLEM (ABOUT 8 MAPS)
10	ENVIRONMENTAL ENGINEERING LABORATORY (ENVIRONMENTAL ENGINEERING-I)	1. PH 2. CONDUCTIVITY 3. SOLIDS (DISSOLVED, SUSPENDED, TOTAL) 4. TURBIDITY 5. ACIDITY & ALKALINITY 6. HARDNESS 7. CHLORIDE 8. FLUORIDE 9. IRON & MANGANESE 10. RESIDUAL CHLORINE 11. MPN 12. OPTIMUM DOSE OF COAGULANT
	ENVIRONMENTAL ENGINEERING LABORATORY ENVIRONMENTAL ENGINEERING-II	ANALYSIS OF WASTE WATER I. BOD (FOR DOMESTICS WASTE) II. COD (FOR INDUSTRIAL WASTE) III. SOLIDS (VOLATILE) IV. SVI V. NITROGEN VI. CHLORIDES 2) AIR SAMPLING & ANALYSIS OF SPM 3) PHYSICAL CHARACTERISTIC OF SOLID WASTE

ii. Mechanical Engineering Department

a. List of Major Equipments

S.NO	Name of Laboratory	Major Equipment	Coast
1	Dynamics & Measurment Lab	UNI INSTA VIB LAB (Cousisting of 11 Expt.)	30000.00

		Gyroscope	32039.00
		Hydraulic Control Trainer	46500.00
2	Heat Transfer Lab	Heat Transfer from Pin Fin	33750.00
	Refrigeration & Air Conditioning	ICE Plant Tutor	80000.00
		Air Conditioning Test Rig	37000.00
3	Unconventional Energy Sources	Liquid flat Plate Collector Test Rig	175000.00
4	Automobile Lab.	Air Break Actual Working Actual working Model Of Power Brake Mounted On Iron Stand	34056.00
		MPFI Trainer Board. All Actual Part of MPFI System Fitted on Wooden Board mounted On Iron Stand.	42283.00
5	INTERNAL COMBUSTION LAB	4 Stroke 4 Cylinder Petrol Engine Test Rig	87000.00
		Computer Based IC Engine Test Rig	585825.00
		AVL CDS Analyser without Smoke Meter Model AVL CDS	886870.00
6	CAD & FMS Lab	Computer Machines Intel Dual Core 2.8 GHZ, RAM 512 DDR II, HDD 80 GB SATA, DVD Writer Keyboard MM, Mouse Optical, Monitor 17" TFT	236000.00
		HP Desktop M/c Dx 2253 DVD Combo Drive/17" TFT/Keyboard, Mouse	
		HP ML 150 Server with 2x2 GB RAM 146 GB HDD 18.5 TFT Monitor, DVD Rom Key Board, Mouse	208816.00
		Personal Computer HP-DX 2480, 2.53 GHZ 1 GB DDR, RAM 160 GB HDD, DVD RW, OFM, 185 TFT Monitor Keyboard, Monitor (3 ½ War)	144000.00
		Pick & Place Robots with Conveyor & Indexing Table	731861.00
		ANSYS 11	208000.00
		Pro/Engineer Wildfire 3.0	364000.00
		CATIA V5 R8, MSC Nastran	592800.00
7	Metallurgy Lab.	Inverted Metallurgical microscope with accessories	55763.00
		Inverted Metallurgical Microscope Model - Metagraph II	206145.00
		Image Archiving System	224197.00

b. List of Experimental Setup: Mechanical Engineering

S.No.	Lab Name	Experimental Set up
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1	INTERNAL COMBUSTION LAB	4 Stroke 4 Cylinder Petrol Engine Test Rig
		Computer Based IC Engine Test Rig
		AVL CDS Analyser without Smoke Meter Model AVL CDS
2	Metallurgy Lab.	Inverted Metallurgical Microscope Model - Metagraph II
		Image Archiving System
3	Refrigeration & Air Conditioning	ICE Plant Tutor
		Air Conditioning Test Rig
4	Dynamics & Measurement Lab	UNI INSTA VIB LAB (Consisting of 11 Expt.)
		Gyroscope
		Hydraulic Control Trainer
5	Heat Transfer Lab	Test Rig For Determination of Thermal Conductivity of Metal Bar
		Equipment for Determination of Conductivity of Insulating Powder
		Equipment for Determination of Overall conductance of Composite Wall
		Equipment for Determination of Emissivity of Grey Body.
		Equipment for Determination of Heat Transfer Coefficient's for Natural Convection.
		Equipment for studying Boiling Heat Transfer

iii. **Computer Science and Engineering Departmental Information –**
a. **List of Major Equipment / Facilities in each laboratory / workshop**

Sr.No .	Lab Name	Major Equipments	Cost

Sr.No	Lab Name	Major Equipments	Cost
1	MMLAB	<p>HP PRO 3330 core i3 3.0GHz 4 GB DDR3 RAM, 500 GB HDD, PS2 Keyboard and Mouse, 18.5" TFT Monitor with Warranty 3x3x3 (10 No), Scanner : HP Scanjet G4050 , Sr.No.CN264AB25X , Pentium IV Machine Zenith Make 1.66 GHz, 128 MB RAM, 18 GB SCSI HDD, 1.44 MB FDD, 15" Digital Color Monitor, 52x CDROM Drive, 10/100 MBPS Lan Card, 108 Keys Keyboard, Scroll Mouse, 56 KBPS Fax Modem Card, Speaker Set, 2S. 1P, 2USB with windows 98 Licence copy (OEM), DLP Projector Model No.U5-111 with accessories, Intel P-IV 2.4 Ghz(box) with intel 845 GVSR original M/B, 256 MB DDR RAM Hunix(box), 40 GB, 7200 ATA 100 HDD Seagate, 1.44 MB FDD Sony, 52 x CDROM LG, On board 10/100 mbps intel LAN / Sound / AGP, 15 " Digital Color Monitor LG , Scroll Mouse Logitech, MM K/B, ATX Cabinet - Perx CPU , mOUSE SR.NO.HCA 34824683, MOnitor Sr.NO.D05Y4071L0803861N (04 No), HP LJ1022 Printer Sr.No. VNRJ7540K4, Printer PSC HP 3050, Printer HP COLOR LASERJET 2600N, HP DX 2300 INTEL DUEL CORE 2.8 GHZ with 512 DDR RAM , 80 GB HDD SATA , DVD WRITER SATA, Multi Media Keyboard , OPTICAL MOUSE iNTEX17"TFT MONITOR HPL1706 with Warrenty 3-3-3 CPU Sr.NO.-INA721042W, Monitor Sr.No.-CNN7150HLX, Keyboard Sr.No.-BC3880ACPUE11F, Mouse HP SR.NO.-F93A90AN3VO1YAX (25 NO), HP Server ML110 with 3GHZ, 1GB RAM, 2x80 GB HDD, CDROM, Multi Media Keyboard, Optical Mouse, 17 " HP TFT LCD Monitor CPU SR.NO. in71400DQ KB SR.NO. BC3530DGAVD36P Monitor Sr.NO.7S0651002386 Mouse Sr.NO.F93A90AN3V01YCS, Laptop Zenith Director - Intel Pentium Dual Core Processor 1.73 Ghz, 1 MB Cache, ATA Chipset M/B, 512 MB DDR II 667 Mhz, 100 MB Sata II HDD 5400 RPM, DVD R/W, 15.4" wide screen Display 1280 x 800 dpi, Glare Screen , ATA Graphics Built in 56 Kbps v.90 Modem, Integrated 10/100 Lan, 1 Mini PCi Slot for wireless card, Glide Pad, Built in Hi-defination two chaneel Audio, 2 Channel Built in Stereo Speaker, Built in PS2 Touch pad with two buttons, Li-ion Batteries pack, with Carry Bag. Sr.NO.5TFCCMR7380C4D, Scanner UMAX Scanner 5600, 1.5 Ton Split AC with Digital Remote, Power Slash Rotary Compressor Make ONIDA (3A) (02 No), Laptop - Dell Vostro 1015 C2D /320GB/2GB/15.6"SIDE Bag, Epson make LCD projector Model EB-59 (with 3ft ceiling stand, VGA cable 10 Meters and Pavee cable 10 meters SR.No.NDHF-131951L</p>	1820857.20

Sr.No	Lab Name	Major Equipments	Cost
2	RR LAB	<p>HP Elite 7100 3.5GHZ/4GB RAM/320GB HDD /DVD WRITER/MMKB/OPTICAL MOUSE/18.5"TFT MONITOR , APC Make smart UPS Model RT5000, Aplab Line Voltage Regulator Model 9124 input 184V-253V Output 230V+0.57 Max Current 22 Amps.Capacity 5 KVA max (Sr.No.1195/28), Scanner Photo Quality HP 4500 C, Intel P-IV 2.4 Ghz(box) with intel 845 GVSR original M/B CDDR/Sound/AGP/SSB/FSB/256 MB DDR RAM Hunix(box), 40 GB, 7200 ATA100 HDD Seagate, 1.44 MB FDD Si\ony, 52 x CDROM LG, on board 10/100 mbps intel LAN, 15 " Digital Color Monitor, Scroll Mouse Logitech, MM K/B, ATX Cabinet (23 NO), Laser Printer HP 1015 (Sr.No.SGFB221050), HP LJ1020 Printer , HP DX 2300 INTEL DUEL CORE 2.8 GHZ/512 DDR/80GBHDD SATA/DVD WRITER/MMKB/OPTICAL MOUSE/17"TFT MONITOR (21 No), Blue Star A/C 2 tonne with installation, with Remote</p>	1715215.00

Sr.No	Lab Name	Major Equipments	Cost
3	Linux LAB	<p>HP-3330 MT-I-3 Desk top Intel I-3 2120 3.3 GHz, CPU 4 GB RAM, 500 GB HDD, H61 Chip Set Mother Board DVD writer, Optical mouse, 10.5" LCD Monitor DOS (20 No) , APLAB Survoline Voltage Regulator Range 184 V-253 V / 5KVA Model No. 9124 , GE Make Deluxe compact portable OHP with fresnel lense, 3 lement projection lense 24U 250 w Haogen bulb etc. with Twin Lanmp Facility SN CD/T 649 with Screen, Wipro Super Genious 10845 GL P-IV 1.6 GHz 128 MB DDR, 40 GB HDD, 5400 rpm FDD, 104 Wipro keys keyboard, 2 button mouse, Win ME, NAV intell smart CPU (29 No) , KODAK EKTALITE 30 overhead projector Sr.No. 01K24536, DLP Projector PLUS Make Model U5-111 Sr.No. UA5DA4221039, Blue Star A/C 2 Tonne with installation manual, Epson make LCD Projector Model EB-59 , Laptop Dell Vestro 1015 C2D 320 GB/ 2GB/15.5" , Un-interruptable Power Supply UPS 5000 (APC) 5 KVA smart</p>	1973860.00

Sr.No .	Lab Name	Major Equipments	Cost
4	R&D LAB	HP Elite 7100 Desk top PC Intel (R) Core I3 330/350m, 2.4 GHZ, 4 GB DDR2, 320 GB HDD DVD R/W, 18.5" TFT Monitor, Keyboard Mouse with Windows 7 Statter (21 Nos), Epson make LCD Projector Model EB-59 (with 3 ft Ceilled Stand, VGA Cable 10 Mtr. Power Cable 10 Mtr. , 1.5 Ton Spllit Air Conditioner with digital remote power rotary compressor make ONIDA (3A) , Un-interruptable Power Supply UPS 5000 (APC) 5 KVA smart	707288.00

Sr.No .	Lab Name	Major Equipments	Cost
5	AS400 LAB	APLAB Survoline Voltage Regulator Range 184V-253V / 5KVA Model No 9124)+ CED 10% + MST 6% (Sr.No. 1198/35), IBM AS/400 SERVER WITH V3R7 OS/400, TERMINAL LOGIC UNIT, 121 KEYS K/B, 2X4 GB HDD, CD ROM, CTD DRIVE, MONO VGA MONITOR, AND PRELOADED SOFTWARES. , SUPER STACK II HUB 12 and 24 PORT, HP DX 2300 INTEL DUAL CORE 2.8 GHZ/512 DDR/80GBHDD SATA/DVD WRITER/MMKB/OPTICAL MOUSE/17" TFT MONITOR. Sr.Nos. CPU - INA721042T, Monitor - CNN7154D9W (23 No), Blue Star A/C 2 tonne with installation, EPSON MAKE LCD Projector Model EB-59 with 3 feet ceiling stand, VGA Cable 10 Meters, Power cable 10 Meters VAT 12.5 %, Split Air Conditioners with Digital Remote ONIDA Make (3A) (02 No), 5 KVA UPS SMART 5000	2848391.20

Sr.No .	Lab Name	Major Equipments	Cost
6	Maintenance LAB	Electronically Temp. controlled soldering & Desoldering Station DDTOS-1700, IC Remover, AMI Diagnostic, Punching Tool Dlink, HP DX 2300 INTEL DUEL CORE 2.8 GHZ / 512 DDR /80 GB HDD SATA / DVD WRITER / MMKB / OPTICAL MOUSE / 15" LG MONITOR CPU INA721044N MON DO5Y408IL088959IN KB : BC3880ACPUE28I MOUSE : F93A90A5BUB01C0, EXTERNAL HDD 400 GB, DLINK DE816TP 10BASE T ETHERNET HUB 16 PORTS, DLINK DES3226S ETHERNET SWITCH 24 PORTS, Thin Client Card Enjay make (07 No)	763800.00

Sr.No	Lab Name	Major Equipments	Cost
7	Electronics LAB	Intel Core I3 330/350 M 2.4 GHz, 4GB DDR2 RAM, 320 GB HDD, DVD R/W, 18.5" TFT Monitor, Keyboard, Optical Mouse BHBKG-DBKDV-XY3JW-6M6EX-C6227 (24 No), Universal Breadboard System (05 No), Aplab Make 20 Mhz Dual Trace Oscilloscope (05 NO),P-IV 1.9 GHz, 128 MB DDRAM, 1.44 MB FDD, 40 GB HDD 7200 RPM, Onboard AGP/Sound/LAN SVGA, 15" Digital Color Monitor LG Samsung Sr.No D05-303IL049729in, BENQ MM K/B, Logitech scroll mouse, 845 GV M/B, ATX Cabinet (Neotech) (20 no), PC compatible logic analyser	1768576.70

Sr.No	Lab Name	Major Equipments	Cost
8	Cisco LAB	<p>HP-3330 MT-I-3 Desk top Intel I-3 2120 3.3 GHZ, CPU 4 GB RAM, 500 GB HDD, H61 Chip Set Mother Board DVD writer, Optical mouse, 10.5" LCD Monitor DOS (20 No), Intel P-IV 2.4 Ghz(box) with intel 845 GVSR original M/B, CDDR/Sound/AGP/SSB/FSB, 256 MB DDR RAM Hynix(box), 40 GB 7200 ATA100 HDD Seagate, 1.44 MB FDD Sony, 52 x CDROM LG, on board 10/100 mbps intel LAN, 15" Digital Color Monitor LG, Scroll Mouse Logitech, MM K/B, ATX cabinet. Monitor No. D05Y4081LO88957 IN (29 No), CISCO 1841 MODULEAR ROUTER W/2 X FE, 2 WAN SLOTS, 32 FL/128, WIC-2A/S, 2 PORT ASYNC/SYNC SERIAL WAN INTERTFACE CARD FOR CISCO 2660, WRT310N - SG WIRELESS-N BROADBAND ROUTER (1 WAN GE 24 GE BROADBAND ROUTER) SR. NO. 1. CSF01HA3631, 2. CSF01HA04266, Epson LCD PROJECTOR WITH SCREEN, UPS APC 3KVA Offline with batteries SR.NO. JS0726017822, HP LJ1022 Printer , Intel P-IV 2.4 Ghz(box) with intel 845 GVSR original M/B, CDDR/Sound/AGP/SSB/FSB, 256 MB DDR RAM Hynix(box), 40 GB 7200 ATA100 HDD Seagate, 1.44 MB FDD Sony, 52 x CDROM LG, on board 10/100 mbps intel LAN, 15 " Digital Color Monitor LG, Scroll Mouse Logitech, MM K/B, Cabinet. Monitor No. D05-3031LO49927 IN (40 NO), Epson LCD Projector Model EB-59 with Aecessory, Access Point Sanyo 3230</p>	2859165.10

Sr.No .	Lab Name	Major Equipments	Cost
9	Internet LAB	THINCLIENT ENTER PCBUDDY NETWORK COMPUTING TERMINAL (29 No), HP Server Brilliant ML 150, 160GB HDD, 1.44 MB FDD, 4GB HDD, DVD RW, Optical Mouse HP K/B, HP Monitor 17" TFT BC3530CGAV25ET. CPU : 2293876/SGH452X0RB, LG Split AC 1.5 TON (02 No)	528228.00

Sr.No	Lab Name	Major Equipments	Cost
10	Language LAB	HP DX 2300 INTEL DUEL CORE 2.8 GHZ, 256 MB DDR, 80GBHDD SATA, DVD RW, OPTICAL MOUSE, HP KB : BC388ACPUEISD, HP 17" TFT : CNN7150HG6 CPU SR.NO. INA721045D (20 No) HP SERVER ML110 WITH 3GHZ, 1GB RAM, 2 X 80 GB HDD, CDROM, OPTICAL MOUSE, CPU : INI71400DQ, ACCESS POINT (02 No) , Projector XD 1160 ACER SR.NO. EYJ560101774600A0F5910, APC Make UPS 5 KVA WITH 7AH 32 NO. BATTERIES , SR.NO. CSA LR63938, LG LCD TV 42" , Teacher Console IK590, LG SPLIT AC 1.5 TON (02 No), HP DX 2300 INTEL DUEL CORE 2.8 GHZ, 512 MB DDR, 80GBHDD SATA, DVD RW, OPTICAL MOUSE, HP KB : BC2AA0AVBU62H9 , HP 17" TFT Monitor	1504800.00

b. List of Experiments

8KS05	ARTIFICIAL INTELLIGENCE LAB
Course Prerequisite:	Basic concepts of Data Structures, Algorithms, Programming
Course Objectives:	<ol style="list-style-type: none"> 1. The lab aims to introduce the basics of fact base programming and decision making. 2. The lab introduceprolog as language and SWI prolog as tool for testing routines written during lab sessions.

Course Outcomes:	<p>After successful completion of the course, the student will be able to:</p> <ol style="list-style-type: none"> 1. Formulate problems as state space search problem & efficiently solve them. 2. To learn about knowledge representation & reasoning methods. 3. Ability to choose an appropriate problem solving method and knowledge representation technique and create application.
List of Experiments:	<p>This is the sample list of Experiments; minimum 08 experiments are to be performed covering the entire syllabus. At least two experiments should be beyond syllabi based on learning of syllabi (Apply)</p>
	<ol style="list-style-type: none"> 1. Write a prolog program to study fact, verification, domain, predicate & clauses section. 2. Write a prolog program containing facts related to the following predicates. Location (city , state) Stays(person, city) Display :- <ol style="list-style-type: none"> a) List of person, state and city b) Given person staying in which state. 3. Write a Program defining the family member relationship like <ol style="list-style-type: none"> a. If (X is father of Y) or (X is mother of Y) then (X is parent of Y) b. If (X is parent of Z) and (Z is parent of Y) then (X is grandparent of Y) c. If (Y is parent of X) and (X is male) then (X is son of Y) d. Cousins' e. Ancestor. f. Grandchild 4. Given the following information as a database A1: If X is on top of Y then Y supports X A2: If X is above Y and they are touching each other then X is on top of Y. A3: A cup is above a book. A4: A cup is touching a book. Write a program using A1 to A4 and Show that SUPPORTS (book, cup) is true. 5. Write a program for monkey banana problem. 6. Write a program to find whether an element is present in a list or not. 7. Write a program for logon, so that user can attempt entry 3 times. After 3 attempts the program should terminate with a message indicating that user is not permitted access. 8. Write a program to solve Water Jug Problem. 9. <ol style="list-style-type: none"> a) Write a program for DFS using suitable example. b) Write a program for BFS using suitable example.
Text Book:	Introduction to Turbo Prolog – Carl Townsend
Reference Books:	“ Introduction to Artificial Intelligence & Expert Systems” – D.W.Patterson

SUB: (8KS06) EMBEDDED SYSTEMS LAB

Expt NO.	Expt
1	Write 8051 ALP to add the bytes in registers R3 and R4 , put the result in RAM locations 4AH(LSB) and 4BH(MSB).Use Kiel μ vision 2 simulator to verify your program.
2	Write 8051 ALP to add a 1 to contents of every external RAM locations having address from 0100H to 0103H.Use Kiel μ vision 2 simulator to verify your program.
3	Write 8051 ALP to square the contents of R5 , put the result in R0 (high byte) R1 (low byte) .Use Kiel μ vision 2 simulator to verify your program.
4	Write 8051 ALP to add the bytes in registers R3 and R4 , put the result in RAM locations 4AH(LSB) and 4BH(MSB).Use Kiel μ vision 2 simulator to verify your program.
5	Write 8051 ALP to count the number of 1s in any number in register B and put the count in R5.Use Kiel μ vision 2 simulator to verify your program.
6	Eight bits of port 0 of 8051 microcontroller are connected to common cathode 7-segment LED display with 0.7 connected to segment 'a' and 0.0 connected to segment 'dp'. Write 8051 ALP to display the number stored in accumulator on the 7-segment display. Use Kiel μ vision 2 simulator to verify your program.
7	Write a C program to convert packed 0x38 to ASCII and display the bytes on P1 and P2. Use Kiel μ vision 2 simulator to verify your program.
8	Write a C program to transmit message serially with communication parameters of 1200 baud rate , 8 bit data . Assume crystal frequency to be 12 MHz. Use Kiel μ vision 2 simulator to verify your program.
9	Write a C program to receive 10 ASCII characters serially with communication parameters of 1200 baud rate , 8 bit data . Assume crystal frequency to be 12 MHz. Use Kiel μ vision 2 simulator to verify your program.

6KS09	CSkillLabIV-LAB
Course Prerequisite :	Basicknowledgeon SDLCand STLC
Course Objectives:	Throughout the course, students will be expected to demonstrate theirunderstanding of DevOps learning by being able to doeach of thefollowing: <ol style="list-style-type: none"> 1. learnwhatisJenkins,continuousintegrationandwheredoesJenkinsfitsintoSDLC(SoftwareDevelopmentLifeCycle) 2. learnhowtsetupJenkinsanduseJenkinsontheirsystems,createandconfigurejobsinJenkins 3. learnhowtouseandmanageplugins,howtcreateandmanageusersinJenkins 4. learnhowtodeployapplicationserver,howtoworkwithmultiplenodeslearnhowtcreatepipelines
Course Outcomes:	Oncompletionofthecourse,thestudentswillbeableto <ol style="list-style-type: none"> 4. InstallandsetupofJenkinsonyoursystems 5. CreateandrjobsinJenkins 6. Addandmanage plugins.Use pluginsinjobs 7. Createandrnpipelines inJenkins 8. Setup,configure,deployjobs
List of Experiments:	ThisisthesamplelistofExperiments;minimum12experimentsaretobe performed covering the entire syllabus. At least twoexperimentsshould bebeyondsyllabibasedon learningofsyllabi(Apply)

<ol style="list-style-type: none"> 1. Study and implement Linux commands 2. Study practical on installation of Java, Tomcat Server 3. Study practical on software development lifecycle 4. Study practical on DevOps lifecycle & stages 5. Study practical on DevOps Tools (Docker, Jenkins, Git, Jira, Copado) 6. Learn about DevOps Pipeline (CI/CD) using any tool 7. Study Practical on AWS for DevOps 8. Study Practical on Microsoft Azure for DevOps 9. Study Practical on Google Cloud for DevOps 10. Study Practical on Salesforce with Copado for DevOps 11. To set up and configure Jenkins 12. To create Job and manage it using Jenkins 13. To experiment plugin management with Jenkins 14. To study and demonstrate User role creation and management using Jenkins 15. To study and demonstrate Integration with Git using Jenkins 16. To study and demonstrate Automated deployments using Jenkins 17. To study and demonstrate Build and delivery pipelines using Jenkins 18. To study and demonstrate Job Parameterization using Jenkins 19. To study and demonstrate Command line executions using Jenkins 20. To study and demonstrate Jenkins node management 21. Learn how to set up Jenkins on Docker 22. Learn how to do Jenkins maintenance 23. Learn how to work with Git and Jenkins
<p>Text Books:</p> <p>[1] John Ferguson Smart: Jenkins: The Definitive Guide, O'Reilly Media, Inc.</p>
<p>Reference Books:</p> <p>[1] Gene Kim, Jez Humble, Patrick Debois, and John Willis, : The DevOps Handbook: How to Create World-Class Agility, Reliability, and Security in Technology Organizations</p> <p>[2] Gene Kim, Kevin Behr, and George Spafford, : The Phoenix Project: A Novel About IT, DevOps, and Helping Your Business Win,</p>

6KS07	Software Engineering Lab	P-2, C-1
Course Prerequisite:	A Scripting Language, IDEs (Integrated Development Environment), Databases, Software Development Life Cycle (SDLC)	
Course Objectives:	<p>Throughout the course, students will be expected to demonstrate their understanding of Software Engineering by being able to do each of the following:</p> <ol style="list-style-type: none"> 1) Impart state-of-the-art knowledge on Software Engineering and UML in an interactive manner 2) Present case studies to demonstrate the practical applications of different concepts 3) Provide a scope to the students where they can solve small, real-life problems 4) All the while it is intended to present Software Engineering as an interesting subject to the students where learning and fun go alongside. 	

Course Outcomes (Expected Outcome):	<p>On completion of the course, the students will be able to</p> <ol style="list-style-type: none"> 1. Understand basic Software engineering methods and practices, and their appropriate application. 2. Describe software process models such as the waterfall and evolutionary models. 3. Discuss role of project management including planning, scheduling and, risk management. 4. Explain data models, object models, context models and behavioral models. 5. Understand of different software architectural styles and Process framework.
<p>List of experiments: This is the sample list of Experiments; minimum 12 experiments are to be performed covering the entire syllabus. At least two experiments should be beyond syllabi based on learning of syllabi (Apply)</p>	
<p>[1] Identifying the Requirements from Problem Statements Requirements, Characteristics of Requirements, Categorization of Requirements, Functional Requirements, Identifying Functional Requirements</p> <p>[2] Estimation of Project Metrics Project Estimation Techniques, COCOMO, Basic COCOMO Model, Intermediate COCOMO Model, Complete COCOMO Model, Advantages of COCOMO, Drawbacks of COCOMO, Halstead's Complexity Metrics</p> <p>[3] Modeling UML Use Case Diagrams and Capturing Use Case Scenarios Use case diagrams , Actor , Use Case , Subject , Graphical Representation , Association between Actors and Use Cases , Use Case Relationships , Include Relationship , Extend Relationship , Generalization Relationship , Identifying Actors , Identifying Use cases , Guidelines for drawing Use Case diagrams</p> <p>[4] E-R Modeling from the Problem Statements Entity Relationship Model , Entity Set and Relationship Set , Attributes of Entity , Keys , Weak Entity, Entity Generalization and Specialization, Mapping Cardinalities, ER Diagram, Graphical Notations for ER Diagram, Importance of ER modeling</p> <p>[5] Identifying Domain Classes from the Problem Statements</p>	

6KS08	Emerging Technology Lab II
Course Prerequisite:	Knowledge of basic computer science principles and skills, Basic knowledge of Data Base Management Systems
Course Objectives:	<ol style="list-style-type: none"> 1. To know the fundamental concepts of big data and analytics. 2. To explore tools and practices for working with big data. 3. To know about the research that requires the integration of large amounts of data.

Course Outcomes:	After successful completion of the course, the student will be able to: <ol style="list-style-type: none"> 1. Work with big data tools and its analysis techniques. 2. Perform analytics on data streams. 3. Learn NoSQL databases and management.
List of Experiments:	This is the sample list of Experiments; minimum 09 experiments are to be performed covering the entire syllabus. At least two experiments should be beyond syllabi based on learning of syllabi (Apply)
	<ol style="list-style-type: none"> 8. Download, Install and Configure Mongo db. 9. Study & execute different commands related to Mongo db handling. 10. Creating database and inserting in mongo db. 11. Projection in mongo db through R. 12. Display a mongo db documents which are matching a certain query. 13. Inserting in mongo db database from CSV data set. 14. Deletion in mongo db through R Programming. 15. Display all documents in one collection in mongo db in R. 16. Inserting records in mongo db through R data frames
Text Book:	1. A Mongo DB Tutorial : - A basic guide with step-by-step instructions for complete beginners – Thanh X. Tran
Reference Books:	1. “ Big Data Analytics Manual: A step-by-step guide to Mongo DB –Dr.M.S.VIJAYA , Dr.N.Radha, V.Pream Sudha

Design and Analysis of Algorithms – LAB	
Course Prerequisite:	Any programming language, Discrete Mathematics and Data Structures
Course Objectives:	Throughout the course, students will be expected to demonstrate their understanding of Design and Analysis Of Algorithms by being able to do each of the following: <ol style="list-style-type: none"> 1. To understand asymptotic analysis of algorithms. 2. To apply algorithmic strategies while solving problems. 3. Ability to analyze time and space complexity. 4. Demonstrate a familiarity with major algorithms.
Course Outcomes:	On completion of the course, the students will be able to <ol style="list-style-type: none"> 1. Carry out the analysis of various Algorithms for mainly Time complexity. 2. Apply design principles and concepts to algorithm design. 3. Understand different algorithmic design strategies. 4. Analyze the efficiency of algorithms using time complexity. 5. Apply the standard sorting algorithms.
List of Experiments :	This is the sample list of Experiments; minimum 12 experiments are to be performed covering the entire syllabus. At least two experiments should be beyond syllabi based on learning of syllabi (Apply)
	<ol style="list-style-type: none"> [1] Implement C program to perform recursive calls using the following searching algorithms. <ol style="list-style-type: none"> 1. Linear Search when the list is given. 2. Binary Search when the given list is not sorted. [2] Study and analyze to sort an array of integers using mergesort. [3] Implement and analyze to sort an array of integers using quicksort. [4] Write a program to implement the Closest Pair of Points problem using the divide and conquer strategy. [5] Study and implement the Divide and Conquer strategy using the Mergesort Algorithm and

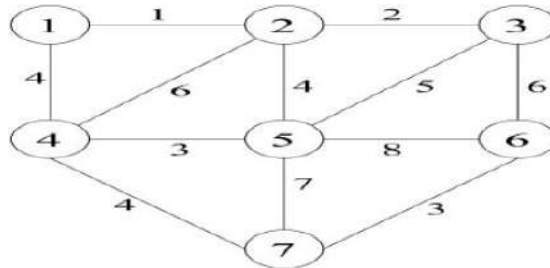
determine the complexity of an algorithm.

DATA- {23, 12, 3, 5, 89, 1, 24}

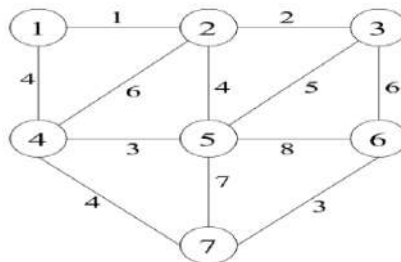
[6] Write a C program for implementing $(n \times n)$ matrix multiplication using the Strassen matrix multiplication algorithm.

[7] Explain the knapsack algorithm to find an optimal solution of getting maximum profit and implement using the program.

[8] Find Minimum Cost Spanning Tree of a given undirected graph using Kruskal's algorithm and implement using C.



[9] Implement a program to find minimum cost spanning trees from a given graph using Prim's algorithm.
 [10] Implement Prim's algorithm to find the Minimum Cost Spanning Tree of an undirected graph using the program.



[11] Implement the Work Function Algorithm and the Greedy Algorithm for the k-Server problem on graph metrics.
 [12] Design and Implement Boyer Moore Algorithm for Pattern Searching.

Text Book:

[1] Dave and Dave: "Design and Analysis of Algorithms" Pearson Education

Reference Books:

- [1] Aho, Hopcroft & Ullman "The Design & Analysis of Computer Algorithms", Addison-Wesley
- [2] G. Brassard, P. Bratley: "Fundamentals of Algorithmics", PHI
- [3] Horowitz & Sahani: "Fundamental Algorithms", Galgotia.
- Cormen, T.H., Lierson & Rivest: "Introduction to Algorithms", McGraw-Hill

4KS09	C-Skill-LabII
Course Prerequisite:	Basic knowledge of scripting language, Programming language. Basic understanding of Electronic concepts.
Course Objectives :	To develop an ability to design and implement static and dynamic website and to develop embedded systems with the help of Raspberry Pi/Arduino.
Course Outcomes :	On completion of the course, a student will be able to <ol style="list-style-type: none"> 1. Develop client-server program and web applications 2. Make use of project-based experience for web application development. 3. Create embedded systems using Raspberry Pi/Arduino
List of Experiments:	This is a sample list of Experiments, minimum 12 experiments are to be performed covering the entire syllabus. At least two experiments should be beyond syllabus based on learning of syllabi (Apply)
<ol style="list-style-type: none"> 1. Introduction to PHP and configure it to work with Apache Web Server. 2. Design web pages for your college containing a description of the courses, departments, faculties, library etc, use href, list tags. 3. Create your class timetable using table tag. 4. Create user Student feedback form (use textbox, text area , checkbox, radio button, select box etc.) 5. Create your resume using HTML tags also experiment with colors, text , link , size and also other tags you studied. 6. Design a web page of your home town with an attractive background color, text color, an Image, font etc. (use internal CSS). 7. Develop a JavaScript to display today's date. 8. Write a JavaScript to design a simple calculator to perform the following operations: sum, product, difference and quotient. 9. Write an HTML page that contains a selection box with a list of 5 countries. When the user selects a country, its capital should be printed next to the list. Add CSS to customize the properties of the font of the capital (color, bold and font size). 10. Write a PHP program to keep track of the number of visitors visiting the web page and to display this count of visitors, with proper headings. 11. Write a PHP program to display a digital clock which displays the current time of the server. 12. Write the PHP programs to Implement simple calculator operations. 13. Write the PHP programs to Find the transpose of a matrix. 	

4KS06	Data Communication & Networking Lab
Course Prerequisite:	Computer and Data Communication Requirements
Course Objectives:	<p>To understand the working principle of various communication protocols</p> <ol style="list-style-type: none"> 2. To understand and analyze the signal flow in a digital communication system. 3. To analyze error performance of a digital communication system in presence of noise and other interferences. 4. To evaluate the errors using various error detection & correction techniques. 5. To understand network based protocols in data communication and networking
Course Outcomes:	<p>On completion of the course, the students will be able to</p> <ol style="list-style-type: none"> 1. Analyze performance of various communication protocols

	<ol style="list-style-type: none"> 2. Implement Configure various network protocols. 3. Compare IP Address classes of networks
List of Experiments:	This is a sample list of Experiments; minimum 12 experiments are to be performed covering the entire syllabus. At least two experiments should be beyond syllabi based on learning of syllabi (Apply)
	<ol style="list-style-type: none"> 1. To study various LAN topologies and their creation using network devices, cables and computers. . 2. To connect the computers in Local Area Network. 3. Familiarization with Networking Components and devices: LAN Adapters, Hubs, Switches, Routers etc. 4. Write a program of bit stuffing used by Data Link Layer 5. Write a program to implement CRC(Cyclic Redundancy Check) 6. Write a program to implement Checksum 7. Write a program to implement Sliding window 8. Configure Internet connection and use IP-Config, PING / Tracer and Net stat utilities to debug the network issues. 9. Configuration of TCP/IP Protocols in Windows and Linux. 10. Transfer files between systems in LAN using FTP Configuration, install Print server in a LAN and share the printer in a network. 11. Write a C Program to determine if the IP Address is in Class A, B, C, D, or E 12. Write a C Program to translate Dotted Decimal IP Address into 32 Bit Address. 13. Configure Host IP, Subnet Mask and Default Gateway in a System in LAN (TCP/IP Configuration)
	TextBooks: <ol style="list-style-type: none"> 1. Behrouz A. Forouzan: Data Communication and Networking, (5/e) (TMH)
	ReferenceBooks: <ol style="list-style-type: none"> 1. William Stallings: Data & Computer Communications, 6/e, Pearson Education 2. William L. Schweber : Data Communication, McGraw Hill

4KS07	OPERATING SYSTEM Lab
Course Prerequisite:	Basic Computer Programming
Course Objectives:	Course Objectives: <ol style="list-style-type: none"> 1. To make students aware of the kernel and shell structure of the operating systems. 2. To make students aware of the purpose, structure and functions of operating systems 3. To equip students with understanding of the various scheduling algorithms in OS. 4. To make students aware of understanding of memory management in different OS.
Course Outcomes:	Course Outcomes(Expected Outcome): On completion of the course, the students will be able to <ol style="list-style-type: none"> 1. Explain memory management issues like external fragmentation, internal fragmentation. 2. Illustrate multithreading and its significance. 3. List various protection and security mechanisms of OS. 4. Analyze and solve the scheduling algorithms. 5. Analyze the deadlock situation and resolve it. 6. Compare various types of operating systems

List of Experiments:	This is the sample list of Experiments; minimum 12 experiments are to be performed covering the entire syllabus. At least two experiments should be beyond syllabi based on learning of syllabi (Apply)
<ol style="list-style-type: none">1. To study Linux Operating System along with its installation.2. To study of Basic Ubuntu UNIX Commands.3. To study the various commands operated in vi editor in LINUX.4. To simulate First Come First Serve process scheduling algorithm5. To simulate Shortest Job First process scheduling algorithm6. To simulate Preemptive Shortest Job First process scheduling algorithm7. To implement Round Robin Process scheduling Algorithm8. To implement Priority Based Process scheduling Algorithm9. To implement and analyze multi-level queue scheduling algorithm10. To implement the FIFO page replacement policy11. To implement the LRU page replacement policy12. To implement the optimal page replacement policy13. To implement contiguous memory allocation strategies to detect fragmentation using: First Fit, Best Fit and Worst Fit.14. To implement FCFS Disk Scheduling algorithm15. To implement SCAN Disk Scheduling algorithm16. To implement C-SCAN Disk Scheduling algorithm17. To Simulate bankers algorithm for Dead Lock Avoidance (Banker,,s Algorithm)	

4KS09	C-Skill-LabII
Course Prerequisite:	Computer Programming, Number System
Course Objectives:	In this lab student will learn about“ Microprocessor and Interfacing“ in regards to digital computer, microprocessor architecture, programming with 8086 microprocessor and different peripherals.
Course Outcomes:	On completion of the course, the students will be able to <ol style="list-style-type: none"> 1. Analyze the internal workings of the microprocessor 2. Design and develop programs in Assembly Language Programming 3. Describe 8086 microprocessor and its architecture; also understand instruction processing during the fetch-decode-execute cycle. 4. Design and Test assembly language programs using 8086 microprocessor instruction set. 5. Demonstrate the implementation of standard programming constructs, including control structures and functions, in assembly language 6. Illustrate and realize the Interfacing of memory & various I/O devices with 8086 microprocessor
List of Experiments:	This is a sample list of Experiments; minimum 12 experiments are to be performed covering the entire syllabus. At least two experiments should be beyond syllabi based on learning of syllabi (Apply)
	<ol style="list-style-type: none"> 1. To study various debug commands. 2. Write a program for addition of two 8-bits numbers and two 16-bits numbers. 3. Write a program for subtraction of two 8-bits numbers and two 16-bits numbers. 4. Write a program for division of two 8-bits numbers. 5. Write a program to check whether a given number is even or odd. 6. Write a program to demonstrate Logical Group and Shift Rotate Instructions (division or multiplication operation). 7. Write a program to check whether a given number is positive or negative. 8. Write a program to find Factorial of a number using loop instruction. 9. Write a program to find square of a given number using Subroutine. 10. Write a program to find square of a given number using Macro. 11. Write a program to perform Reverse of the String. 12. Write a program to transfer 10-bytes from one memory bank to another memory bank. 13. Program for sorting an array for 8086 microprocessor.

iv. Electrical Engineering

a. List of Major Equipments/Facilities in each laboratory/workshop

S. N.	NameoftheLaboratory/W orkshop	MajorEquipment	Cost of Lab in Lacs
1	Basic Electrical Engg. Lab.	Transformer, DC power supply , Dimmer, Star-delta setup, wattmeter Lamp load,	Rs. 1.12 Lacs
2	Electrical Machine Lab.	Slipring Induction Motor, Alternator motor Set, DC Series Motor- Generator,DCShuntMotor- GeneratorSet,DC MachineAssembly Kit,DCPower Supply,Oscilloscope(3Nos.),ComputerP4(2Nos.)	Rs. 11.26 Lacs
3	Analog and Digital Circuit Lab.	DigitalICTester,CRO(10Nos.),LCRBridge DigitalType,Digital Multimeter,FunctionGenerator,Computer P4(3Nos.), DigitalICFunction Tester,CRO(8),ComputerP4(2)	Rs. 14.60 Lacs
4	Measurement, Instrumentation	Recorder , CRO(6 Nos.), Trainer kits for measurementofTemperature,displacement ,angular displacement, capcitivetransducer, resistive hygrometer, load cell, hot wire anemometer,Hall- effect,instrumentationtutorport,D/Aconve rtor,Speed MeasurementTrainer(2Nos.), Bridge Circuits (AC & DC), Megger, Trainer kits for network thermos.	Rs. 6.44 Lacs
5	Power Electronics Lab.	Oscilloscope (9 Nos.), Signal Digitiser- systronics,3Phase,Induction MotorSpeed Controller,IntegratedThyristorController(ITC) (6Nos.), RMS/HundHeld41/2DigitalTrueUser'sMult imeter,ComputerP- IV(3Nos.)DielectricHeatingTrainer Kit,Induction HeatingTrainerKit	Rs. 11.46 Lacs
6	Control System Lab.	Regulated DC Power Supply, Torque Measurement Tutor usingTorqueTransducer (2Nos.),TemperatureController,DCMotor, SpeedControlDemonstration,StripChartRe corder	Rs. 1.48 Lacs
7	Microprocessor and DSP	MATLABDVD KitforPC&UnixRelease -	Rs. 61.80

	Lab.	R2008a(10User),ORCAD-Capture,PSPICEandLayout(EDASoftware) R 9.2, DSP Trainer Kits(5 Nos.), DSP System GeneratorVer. 9.2(N-User, HP Server Proliant ML 150, CRO 30MHz(2Nos.) CRO 20 MHz(2Nos.), Microcontroller trainer kit 89C51(10Nos.) AVR Mega-32 Microcontroller kits(4Nos.), HP make core duo Computer with 18.5" TFT(46Nos.), Laser Printer HP-1015, Caddo 823 Techlab 30 MHz, 2 Ch 4 tract with 2MHz function Generator, triple output power supply frequency counter	Lacs
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8	Switch Gear Protection Lab.	Simulation model for protection of 3 phase induction motor, Simulation panel for differential protection of transformer, Simulation model for protection of alternator with DC shunt motor alternator set, Model of SF6 Circuit breaker, Electromechanical type non directional over current relay	Rs. 6.20 Lacs
9	Computer Aided Machine Design Lab.	HP Computers Intel(R) Core(TM) i3-3220 CPU @ 3.30GHz 3.30 GHz (24 Nos.)	Rs. 10Lacs

b. List of Experimental Setup in each Laboratory

3EP06 ELECTRICAL CIRCUIT ANALYSIS LAB

Sr.No	List of Experiments
1	Verification of output response of series R-C circuit for step input
2	Study of dot convention and determination of A) Mutual inductance B) Coupling coefficient of b transformer
3	Verification of Mesh and Node analysis.
4	Verification of Superposition theorem.
5	Verification of Thevenin's theorem.
6	Verification of Maximum Power Transfer theorem.
7	Verification of reciprocity theorem.
8	Study of Milliman's theorem & verification.
9	Verification of Norton's theorem.
10	Determination of ABCD parameters T-network & II-network.
11	Study of Tie set and Cut set schedule for a given network.
12	MATLAB simulation for o/p verification of any theorem.
13	Determination of Z and Y parameter.
14	Determination of hybrid parameter.

Minimum eight experiments based on the syllabus content of 3EP02 Electrical Circuit Analysis.

The intensive list of experiment is given below.

EP07 ELECTRICAL MACHINES - I LAB.

Minimum eight experiments based on the syllabus content of 3EP03 Electrical Machines – I.

The indicative list of experiments is given below.

Sr.No	List of Experiments
1	Plot the OCC of DC generator and find its critical resistance and critical speed.
2	To study the build-up of DC shunt generator, calculate critical resistance at different speeds.
3	Plot/Compare: External, Internal Characteristics of DC Shunt/series/compound generator.
4	Calculate the efficiency and voltage regulation of DC generator by the direct load test.
5	Speed Control of DC Shunt motor by armature control & Field Control method.
6	Perform the direct load test on DC series/shunt/compound motor to plot its performance characteristics, and determine its efficiency and speed regulation.
7	Conduct the Swinburn's test on DC machine to estimate its performance at any desired load condition. 8. Conduct the Hopkinson's test on DC Machine to analyze its performance.
8	Perform Electric Braking Operation on DC shunt Motor.
9	Conduct the Polarity test and Ratio test on transformer
10	Calculate the Equivalent circuit parameters of single-phase transformer by performing OC & SC test on it and determine its efficiency and voltage regulation
11	Perform the direct load test on single phase/three phase transformer and determine its efficiency and on.
12	Conduct back to back test (Sumpner's test) on two single phase transformers and determine the temperature rise.
13	Conduct the magnetic balance test on three phase transformer.
14	Conduct the vector group test on three phase transformer.
15	Conversion of three phase to two phase supply system using Scott Connection
16	Capture the waveform of inrush current of single phase/three phase transformer using DSO.
17	S.G.Tarnekar, P.K.Kharbanda, S.B.Bodkhe, S.D.Naik and D.J.Dahigaonkar "Laboratory Courses in Electrical Engineering", S. Chand & Co. New Delhi, 2013.

3EP08 ELECTRONIC DEVICES & CIRCUITS LAB

Minimum eight experiments based on the syllabus content of 3EP05 Electronic Devices & Circuits.

The intensive list of experiment is given below.

Sr.No	List of Experiments
1	To study and verify V-I characteristics of semiconductor diode
2	To study and verify V-I characteristics of Zener diode
3	To verify the performance of half wave rectifier circuit with and without filter.
4	To verify the performance of full wave bridge rectifier circuit and determination of load regulation.
5	To verify the performance of Zener voltage regulator
6	To verify characteristics of bipolar junction transistor
7	To study and perform C-E amplifier gain with variation of load resistance.
8	To study and verify the characteristics of FET
9	To study UJT as a relaxation oscillator
10	To study phase shift oscillator & determine frequency of oscillation
11	To study characteristics of MOSFT
12	To study clipper circuits using diodes
13	To study clamper circuits using diodes
14	To study and verify operation of cascade amplifiers
15	To verify operation of transistor as a switch

3EP09ELECTRICAL TECHNOLOGY - LAB

Perform minimum Eight practical's / demonstration from the following list and prepare the report as a term work for this laboratory.

1. Introduction to standard symbols used in wiring diagrams
2. Introduction to different wiring accessories.
3. Demonstration of different types of wirings eg. Domestic wiring, commercial wiring, Industrial wiring.
4. Connection of Staircase wiring, Godown wiring, fluorescent lamp. Ceiling fan, air cooler etc
5. Domestic wiring diagrams
6. Connections of switch board, MCB and energy meter
7. Testing and electrical Maintenance of domestic appliances like lamps, electric iron, heater, geyser, air cooler, fan, microwave-oven, induction heater, etc.
8. Insulation resistance and earth resistance measurement
9. Conduct the load survey for domestic/commercial /Industrial consumers
10. Illumination system Design (selection of type and number of lamps required for any location)
11. Calculation of Energy bill for LT & HT consumers.
12. Safety precautions while working with electrical system
13. Demonstration of first aid treatment after getting electric shock.
14. Study of various components of solar power plant.
15. Design calculation of small capacity roof top solar power plant.

4EP06 ELECTRICAL MEASUREMENTS & INSTRUMENTATION- LAB

Minimum eight experiments based on the syllabus content of 4EP02 Electrical Measurements & Instrumentation. The intensive list of experiment is given below.

1. Measurements of Low resistance by using Kelvin double Bridge.
2. Measurements of Medium resistance by Ammeter Voltmeter method/Wheatstone Bridge
3. Measurement of High resistance by Loss of Charge method.
4. Measurement of Insulation resistance by using Megger
5. Measurement of unknown Inductance using Maxwell Bridge/Hay Bridge/Anderson Bridge
6. Measurement of Unknown Capacitance by Desauty Bridge/Schering Bridge
7. Measurement of frequency using Wien Bridge
8. Extension of range of ammeter using shunt/CT.
9. Extension of range of voltmeter using multiplier/PT.
10. Calibration of Wattmeter by Phantom loading
11. Calibration of energy meter to detect the error in it.
12. Measurement of active & reactive power measurement in 1 phase / 3 phase circuit.
13. Measurement of rotational speed using stroboscope
14. Conversion of non electrical quantity into its equivalent electrical quantity using proper transducer.
15. Compare the accuracy, preciseness, sensitivity of Analog & Digital Measuring Instruments.

4EP07 CONTROL SYSTEM LAB

Minimum eight experiments based on the syllabus content of 4EP03 Control System. The intensive list of experiment is given below.

1. Study of Potentiometer
2. Study of A.C. Synchro and its characteristics
3. Determination of Transfer Function of D.C. Generator
4. Determination Of Transfer Function of D.C.Servomotor and Its Characteristics
5. Performance Characteristics of a D.C. Motor Angular Position Control System
6. Determination Of Frequency Response of Given R-C Network
7. Determination Of Transfer Function of A.C. Tacho-Generator
8. Experimental Study Of The Operating Characteristics of a Small Stepper Motor and Its Controller
9. Study Closed Loop PI Controller System and Its Time Response to Different Input.
10. Experimental Study of Position Control of DC Motor using Arduino
11. Experimental Study of Time Domain Analysis of Second Order Control System
12. Study AC Position Control System

4EP08 ANALOG AND DIGITAL CIRCUIT LAB

Minimum eight experiments based on the syllabus content of 4EP05 Analog & Digital Circuit.

The intensive list of experiment is given below.

1. To Plot Frequency Response Of Non-Inverting Mode Of Op-Amp Using IC741 and Determine the Bandwidth & Maximum Gain
2. To Plot Frequency Response Of Inverting Mode Of Op-Amp Using IC741 and Determine the Bandwidth & Maximum Gain
3. To Perform Op-Amp as Differentiator Using IC741 .
4. Design The Circuit for Supplying 5V,25mA As A Low Voltage Regulator Using IC 723
5. Verification Of Truth Table Of Various Logic Gates Using ICs
6. To Study and Verify The Operation Of SR and MS ,JK Flip Flop
7. To Verify The Operation Of Multiplexer Using IC74153.
8. To Design And Verify Function Of Decade Counter using IC 7490
9. To Verify The Truth Table Of 4 Bit Comparator
10. To Perform Op-Amp As Integrator Using IC741
11. A stable Multi-vibrator Using IC 555 timer
12. To Study And Verify The Operation Of Half-Adder And Full-Adder.

4EP09 ELECTRONIC TECHNOLOGY LAB

Perform Minimum Eight experiments / demonstration based on the following content and prepare the report as a term work for this laboratory.

- Study of electronic Components: Identification of components, name, types, symbol, size, rating and application.
- Handling Electronic Components: Finding values and testing (using DMM), test working condition, fault detection.
- Working with breadboards: understanding the breadboards for component mounting, working with small circuits on breadboard

5EP06 Power System-I Lab

Perform minimum eight experiments

List of Experiments

1. To study the performance of a transmission line using a nominal T model.
2. To study the performance of a transmission line using a nominal π model.
3. To calculate A,B,C,D parameters for a transmission line by using nominal T model
4. To calculate A,B,C,D parameters for a transmission line by using nominal π model.
5. To study skin effect, proximity effect and Ferranti effect in transmission line.
6. To study Corona phenomenon and corona loss and its control in transmission line.
7. To study conversion of single line diagram to impedance diagram and reactance diagram for a typical power system.
8. To draw the circle diagram for a typical power system.
9. Study of a tap changing transformer (ON load and OFF load tap changing).
10. Study of static VAR generator and synchronous condenser.
11. To study different types of insulators used in power system & their comparison.
12. To conduct a dry and wet test on a pin type insulator.
13. To conduct a flashover test on an insulator.

14. To study a horn gap.
15. To study different types of power cables.
16. To study testing of cables.
17. To draw different Tower structures

Note: Above experiments may be conducted by using models, simulation, numerical, drawing sheets or experimentation.

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5EP07 Microprocessor & Microcontroller Lab

Student should perform minimum eight practical based on syllabus

LIST OF PRACTICALS:

1.	Write an Assembly Language Program for the Addition of two 8-bit numbers and 16-bit numbers
2.	Write an Assembly Language Program for the Subtraction of two 8-bit numbers
3.	Write a Program for Finding the larger and smaller one among the two 8-bit numbers
4.	Write a Program for Finding the largest and smallest number from an array of ten, 8-bit numbers
5.	Write a Program for Masking and setting of nibbles
6.	Write a Program for Block data transfer in same and reverse order
7.	Write a Program for Sorting of even and odd numbers from an array of 8-bit numbers
8.	Write a Program for Multiplication of two 8-bit numbers
9.	Write a Program for Square wave generation using 8255 PPI
10.	Write a Program for Stepper motor control using 8255 PPI
11.	Write a Program for Interfacing ADC with 8085 Microprocessor using 8255 PPI
12.	Write a Program for Interfacing DAC with 8085 Microprocessor using 8255 PPI
13.	Write a Program for Lamp load control using 8255 PPI
14.	Write a Program for measurement of DC voltage and Current using ADC and 8255 PPI
15.	Study of Architectural Difference Between Microprocessor 8085, 8086 and Microcontroller 8051

5EP08 Electrical Machines-II Lab

Perform minimum eight experiments.

List of Experiments

1. Perform the load test on three phase IM & plot its performance characteristics.
2. Perform the No load test on three phase IM to separate out its no load losses.
3. Estimate the performance parameters of three phase IM from its circle diagram.
4. Plot the equivalent circuit of three phase Induction motor.
5. Study of different types of starters used for three phase IM
6. Speed control of three phase squirrel cage Induction motor by various methods like stator voltage control method, frequency control method, changing number of poles.
7. Speed control of three phase wound type Induction motor by rotor resistance control method.
8. Perform the electric braking (Plugging or dynamic breaking) of three phase Induction motor.
9. Perform the load test on single phase IM & plot its performance characteristics.
10. Load test on three phase alternator to determine its performance parameters.
11. Synchronize the three-phase alternator with infinite bus-bar
12. Perform the OC & SC test on synchronous generator to estimate its regulation by EMF & MMF methods
13. Estimate the regulation of three phase alternator using ZPF method.
14. Perform the load test on three phase Synchronous motor.
15. Plot the V & inverted V curves of synchronous motor.

6EP06 Power Electronics Lab

Perform minimum eight experiments from the following list:

1. To verify the characteristics of SCR and to find I_h and I_l and verify the gate characteristics of SCR
2. To verify forward and reverse characteristics of DIAC
3. To verify forward and reverse characteristics of TRIAC
4. To study UJT as relaxation oscillator
5. AC voltage control using triac - diac combination
6. To verify the operation of half and full controlled converter
7. To verify the operation of SCR commutation circuits
8. To design & simulate dc-dc buck converter
9. To design & simulate dc-dc boost converter
10. Construct and test the dc chopper control circuit using thyristor
11. Study of PWM based step down dc chopper using MOSFET/IGBT
12. To verify the operation of Single phase single pulse / sinusoidal PWM inverter using MOSFET/IGBT
13. To verify the operation of Single phase parallel inverter using MOSFET/IGBT
14. To verify the operation of Single phase to single phase cyclo converter
15. To verify the operation of Single phase dual converter With R - RL loads
16. To verify the operation of Single phase ac voltage controller

6EP07 Electrical Energy Distribution & Utilization Lab

Perform minimum eight experiments

List of Experiments :

- 1) Study of Distribution substation equipments.
- 2) Study of various types of busbar arrangements.
- 3) Study of Power distribution system.
- 4) Study of Distribution Automation system.
- 5) Prepare a report on visit to distribution substation.
- 6) Simulation of various types of Electrical Distribution System (Radial, Parallel, Ring main)
- 7) Development of single line diagram of 33/11 kV substation in AutoCAD Electrical
- 8) Determination of Efficiency by Performing Load Test on Three-Phase Induction Motor.
- 9) Determination of Efficiency by Performing Load Test on DC Shunt Motor.
- 10) Electric Braking of DC.Shunt Motor.
- 11) Electric Braking of Three-Phase Induction Motor.
- 12) Speed Control of Three-Phase Slip-Ring Induction Motor.
- 13) Determination of Efficiency by Performing Load Test on Single-Phase Induction Motor.
- 14) Study of Electric Heating.
- 15) Design Scheme of Illumination System.
- 16) Study of Electric Traction System .

6 EP08 COMPUTER AIDED ELECTRICAL MACHINE DESIGN LAB

Develop Minimum Eight Computer Programme:

LIST OF PROGRAMME

1. Develop a computer programme for core design of a single-phase core type transformer
2. Develop a computer programme for core design of a single-phase shell type transformer
3. Develop a computer programme for core design of a three-phase core type transformer
4. Develop a computer programme for optimum core design of a three-phase core type transformer for minimum cost or maximum efficiency.
5. Develop a computer programme for Estimation of Iron losses in a three-phase core type transformer.
6. Develop a computer programme for windings design of a single-phase transformer
7. Develop a computer programme for windings design of a three-phase transformer
8. Develop a computer programme for calculating the No load current of a single-phase transformer.
9. Develop a computer programme for calculating the No load current of a three-phase transformer.
10. Develop a computer programme for tank design and calculating the number of cooling tubes required for three phase core type transformer.
11. Develop a computer programme to calculate Main dimensions (D & L) of a three phase Induction motor.
12. Develop a computer programme for stator core design of three phase induction motor.
13. Develop a computer programme for squirrel cage rotor design of three phase induction motor.
14. Develop a computer programme for wound type rotor design of three phase induction motor.
15. Develop a computer programme for estimating magnetizing current of a squirrel cage type three phase induction motor.

v. Electronics and Telecommunication Engineering Department

a. List of Major Equipments in each Laboratory /Workshop

S. N.	Name of the Laboratory/Workshop	Major Equipment
1	VLSI	VLSI Design Software XILINXISE Series Ver.9.2 with Spartan-III based VLSI Kit (N-User), VLSI-VHDL-VERILOG-FPGA-CPLD (Single user, 5 Nos.), Universal Kit for Xilinx CPLD Xc9572 devices (on board), Model-EDASX2 and Spartan FPGA Device (2 Nos.)
2	Communication Engineering	Spectrum Analyzer, CRO Dual Trace (11 No.) CRO Four Trace, Signal generator (FM/AM) Radar 2354, Stronger Exchange 50-7 lines, Computer P4 (6 Nos.), Caddo 823 Tech Lab.,
3	Electronics Workshop	CRO (9 Nos.), Process Camera, Photo Resist Dip Coating Machine, Photo Resist Ultraviolet Rich exposing unit, Etching Machine, Tinning Machine, Automatic Coil winding Machine, PCB Etching Machine (AGIT), Overhead Projector (2 Nos.), Automatic Digital ICT Tester, PTH Unit, Sheet Folding Machine, Dry Film Laminator, Dry film developing Unit, Screen Printing Machine, Dip Soldering Machine, Overhead Projector Kodak Ektalite E30/E3I (2 Nos.), Computer P4 (23 Nos.)
4	UHF & Microwave	Colour T.V. Trainer main board 32"x24" with colour T.V. Picture tube. All assembly with PCB working, Colour T.V. Receiver kit, CRO (Dual Trace) (3 Nos.), Tinnel Microwave Laboratory, Microwave Laboratory X-Band (2 Nos.), Microwave Laboratory C-band Klystron with mount (9134), Analog-Digital Training System (2 Nos.), Microwave Test Bench Gunn based (x-Band) Microstrips system trainer, Intel P-4 Computers (3 Nos.), Function Generator, Component Development System (2 Nos.) Vector Network Analyzer (1 No.)
5.	OFC	D.L. Video fiberoptic video link separate transmitter and AGC receiver module with 12VDC power supply fiber, Fiberoptic training Lab. With Accessories Falcon make, MOP-VLG fiber optic power meter Falcon make, MOS 850 fiber optic LED power source Falcon make, FI-500 Fiber Optic continuity Tester Falcon make CK-1000 ST Connector installation Kit, Falcon Make HE-NE Laser source, Laser Optic Lab & Glass Fiber, CCD Camera Colour, UV Mechanical Splicing kit with accessories Falcon make, Antenna system Trainer, S-936 FM (Stereo)/AM Synth. Sweep Signal+ Marker generator, STS-3006 Antenna Analysis Software

vi. Artificial Intelligence and Data Science Engineering Department

a. List of Major Equipments/Facilities in each laboratory/workshop

Sr No	Laboratory	Major Equipments	Quantity	Cost (Rupees)
1	Programming Lab	<p>i.HP Server Brilliant ML 150 CPU Sr.No.SGH452XORA L1706 Sr.No.CND 7431QPR K/B Sr.No. B77420AGAQXHUL Mous Sr.No.F66C80F5BQW11P8</p> <p>ii. HP COMPAQ DX2255 AMD Athlan 3500 GHz 512 MB RAM 80 GB/DVD Combo Drv. CPU Sr.No. INA 80206ZN L1710 Sr.No.CND7513P7Q K/B Sr.No.BC3880ACPUEORA Mouse S.N.F93A90AN3V01YD4</p> <p>iii. HP TC 2120 WITH CPU Regulatory Model 5X150308652-001, 1 GB ECC DDR RAM 512 X2, Additional 86.4 GB SCSI Drive CPU Sr.No. 3034902258 TFT Sr.No.LE15HHAX408523H K/B Sr.No.BC3880ACPUE03G Logitech Mouse PID HS80811</p> <p>iv.Borland Turbo C++ Accelerate Single</p> <p>v.Turbo Accelerate Suite C++(Borland)</p> <p>vi.MAT LAB with Wavelet Tool Box System Identification Tool Box Signal Processing Tool Box</p>	<p>01</p> <p>10</p> <p>01</p> <p>01</p> <p>15</p> <p>01</p>	448033
2	Data Structure	<p>HP Pavilion DV 212TV Notebook PC Dual Core 1.7/ 512 / 80GB / DVD RW/1.3mp webcam/BT/WI-FY/40.1" WIDE SCREEN/CARRY CASE/CELL/NORTON AV/WINXP Sr.NO.2CE7052KH4</p> <p>HP COMPAQ DX2255 AMD Athlan 3500 GHz 512 MB RAM 80 GB/DVD Combo Drv. CPU Sr.No. INA 80206WV L1706 Sr.No.CND 7431QYV K/B Sr.No.BC3880CCPVA3KI Mouse Sr.No.F93A90H5BVD05GM</p> <p>Tablet PC HP 1301 CNF73554Q6</p>	<p>01</p> <p>10</p> <p>01</p>	273170
3	Analog & Digital Electronics Lab	<p>1)OTS Low Cost AD ADC/DAC Cord,</p> <p>2) OTS 102A 14 Bit Theormocouple Input Cord</p> <p>3) OTS 113C Digital I/O cord 144 I/0 line</p> <p>4) OTS-115 Reed Relay outpurt cord</p> <p>5) OTS-OP to I/O Cord 16input</p>	<p>08</p> <p>01</p> <p>02</p> <p>02</p> <p>02</p>	675500

4	Artificial Intelligence Lab	HP COMPAQ DX2255 AMD Athlan 3500 GHz 512 MB RAM 80 GB/DVD Combo Drv. CPU Sr.No. INA 80206ZN L1710 Sr.No.CND7513P7Q K/B Sr.No.BC3880ACPUEORA Mouse S.N.F93A90AN3V01YD4	10	226920.00
5	Microcontroller, Sensors & Actuators Lab	1.DSP Using TNS 820025, DSP Trainer (Stand 18NPC 101 Keyboard.,DSP Trainer kit TMS320C30, DSP Trainer kit TMS320C30 2. SCRAM development toolset for ARM Micro controller with additional one user and SLA library 4 Nos CDs 1)WEB CAM 01 No. 2) SBC 9302 01 No. 3) SCRAM 01 No.+Dongal -02 Nos. 4) All Software 01 No.	01 each	565181

b. List of Experimental Setup in each Laboratory/workshop

Third – SEMESTER	
I	Subject: Programming Methodology using Python Lab
	<ol style="list-style-type: none"> 1. Write a program to understand basic Python interpreter 2. Write a program to perform String Manipulation and Functions 3. Write a program to implement Python Data structures 4. Implement Classes and Objects using Python 5. Design a program to understand Overloading in Python 6. Design a program to understand Overriding in Python 7. Implement Inheritance using Python 8. Develop a Python code for Information hiding 9. Implement Python's Modules and Packages 10. Writ a program to illustrate concept of File handling 11. Write a code to load Data with library such as Pandas-Numpy.
II	Data Structures Lab
	<ol style="list-style-type: none"> 1. Write a program to find out largest number from the array and also find it's location. 2. Write a program to traverse an array and find the sum and average of data elements from an array. 3. Write a Program to a) insert an element in an array b)delete an element from an array. 4. To study and execute the Linear search method 5. To study and execute the Binary Search method 6. To study and execute the Pattern matching Algorithms(Slow and Fast) 7. To study and execute Bubble sort method. 8. To study and implement various operations on singly linked list <ol style="list-style-type: none"> (a) Traversing the linked list. (a) Insert a node at the front of the linked list. (b) Delete a last node of the linked list. (d) Searching a Linked list. 9. To study and implement following operations on the doubly linked list. <ol style="list-style-type: none"> (a)Insert a node at the front of the linked list. (b)Insert a node at the end of the linked list. (c)Delete a last node of the linked list.

	<p>(d)Delete a node before specified position.</p> <p>10. To study and implement following operations on the circular linked list.</p> <p>(a)Insert a node at the end of the linked list.</p> <p>(b)Insert a node before specified position.</p> <p>(c)Delete a first node of the linked list.</p> <p>(d)Delete a node after specified position.</p> <p>11. Understand the stack structure and execute the push, pop operation on it.</p> <p>12. Understand the Queue structure and execute the insertion, deletion operation on it.</p> <p>13. Formulate and demonstrate Transforming Infix Expressions to Postfix Expression using Stack.</p> <p>14. Formulate and demonstrate the Evaluation of Postfix Expression using Stack.</p>
III	Analog & Digital Electronics Lab
	<p>1) To study V-I characteristics of a PN Junction diode in Forward and Reverse bias.</p> <p>2) To Sketch and Study the input and output characteristics of transistor connected in Common Emitter (CE) configuration..</p> <p>3) To Sketch and Study the input and output characteristics of transistor connected in Common Base (CB) configuration</p> <p>4) To plot static characteristics of FET & calculate its parameters gm, rd and μ.</p> <p>5) Design and Implementation of Op-amp as an inverting amplifier.</p> <p>6) Design and Implementation of Op-amp as a non-inverting amplifier</p> <p>7) To implement Logic gates using TTL ICs (7400, 7402, 7404, 7408, 7410, 7411, 7420, 7427, 7432, 7486).</p> <p>8) Study and verify the truth table of half adder and full adder using logic gates.</p> <p>9) Study and verify the truth table of half subtractor and full subtractor using logic gates</p> <p>10) To compare two 4 bits number and verify the output using 4-bit comparator IC 7485.</p> <p>11)Implementation of 4×1 multiplexer using logic gates.</p> <p>12) Implementation and verification of Demultiplexer and Encoder using logic gates.</p> <p>13) Implementation of 4bit parallel adder using 7483 IC.</p> <p>14) Design and verify the 4 bit synchronous counter.</p> <p>15) Design and verify the 4 bit asynchronous counter.</p> <p>16) Verification of truth table of SR, JK, T and D Flip Flops.</p> <p>List of Experiment beyond syllabus:</p> <p>1) To design and find frequency of Astablemultivibrator using IC 555.</p> <p>2) Operation of op amp as Oscillator</p> <p>3) Design of DC voltage supply using 78xx series</p>
IV	C Skill-Lab I
	<ol style="list-style-type: none"> 1. Introduction to HTML Installation of PHP and Web server. 2. Write a HTML code to display your family information. 3. Write a HTML code to display your college with hyperlink 4. Introduction to CSS 5. Create a CSS style sheet and use it to display your name. 6. Write a program to create menu using HTML and CSS 7. Create a PHP page using functions for comparing three integers and print the largest number. 8. WAP in PHP to check whether the given number is prime or not.

9. Write a PHP function to calculate the factorial of a number.
10. Create a PHP page which accepts string from user. After submission that page displays the reverse of provided string.
11. Write a PHP function that checks if a string is all lower case.
12. Write a PHP script that checks whether a passed string is palindrome or not? (A palindrome is word, phrase, or sequence that reads the same backward as forward, e.g., madam or nurses run)
13. Write a PHP script that removes the whitespaces from a string.
Sample string : “The quick brown fox” Expected Output :
“Thequickbrownfox”
14. Write a program to sort an array.
15. WAP to print first n even numbers.
16. Write a PHP script that finds out the sum of first n odd numbers.
17. Create a script to construct the following pattern, using nested for loop.
18. Write a PHP program to print Fibonacci series using recursion.
19. Create a simple 'birthday countdown' script, the script will count the number of days between current day and birth day.
20. Using switch case and dropdown list display a “Hello” message depending on the language selected in drop down list.
21. Write a PHP script to replace the first 'the' of the following string with 'That'.Sample : 'the quick brown fox jumps over the lazy dog'.Expected Result : That quick brown fox jumps over the lazy dog
22. Write a simple PHP program to check that emails are valid.
23. Create a login page having user name and password. On clicking submit, a welcome message should be displayed if the user is already registered
24. Write a code in Java to display student information from database.
25. Write a code in .net to display student information from database.
26. **Develop any Mini Project like “ Dynamic College WEB site”.**

Semester-Fourth	
I	Artificial Intelligence Lab
	<ol style="list-style-type: none"> 1. Write a program to implement Breadth – First Search. 2. Write a program to implement Depth – First Search. 3. Write a program to implement to implement TIC-TAC-TOE Game . 4. Write a program to implement 8 – Puzzle problem. 5. Write a program to implement Water Jug Problem. 6. Write a program to implement Travelling Salesman Problem. 7. Write a program to implement Tower of Hanoi problem. 8. Write a program to implement Monkey Banana Problem. 9. Write a program to implement Missionaries – cannibals Problem . 10. Write a program to implement N-queens Problem.
II	Operating System Lab
	<ol style="list-style-type: none"> 1. To study Linux Operating System along with its installation. 2. To Study and Execute basic file commands and process related open source Ubuntu commands <ol style="list-style-type: none"> a. Commands to view all executing, block and suspended process. b. Command to check and change the priority of process CPU utilization for executing processes. c. Commands to check for child process, sub-processes, process tree, abort & end process and all otherbasics commands related to processes 3. Write a program for multithreading using C. 4. To simulate First Come First Serve & Shortest Job First process scheduling algorithm 5. To simulate Shortest Job First process scheduling algorithm 6. To simulate Preemptive Shortest Job First process scheduling algorithm 7. To implement Round Robin Process scheduling Algorithm 8. To implement Priority Based Process scheduling Algorithm 9. To implement and analyze multi-level queue scheduling algorithm 10. To implement the following file allocation strategies. 11. To simulate paging technique of memory management. 12. To implement theFIFO page replacement policy 13. To implement the LRU page replacement policy 14. To implement the optimalpage replacement policy 15. To simulate producer-consumer problem using semaphores. 16. To implement Dining-Philosophers problem to deal with concurrency control mechanism. 17. To implement contiguous memory allocation strategies to detect fragmentation using: First Fit, Best Fit and WorstFit. 18. To implement FCFS Disk Scheduling algorithm 19. To implement SCAN Disk Scheduling algorithm 20. To implement C-SCAN Disk Scheduling algorithm 21. To simulate Bankers algorithm for deadlock avoidance 22. To implement following memory management techniques Implement MVT and MFT where memory block size is 100 for 5 processes. Enter no. of blocks for each processand calculate internal fragmentation. 23. To simulate LFU page replacement algorithms 24. To simulate the Single level directory file organization techniques. 25. To Simulate bankers algorithm for Dead Lock Avoidance (Banker’s Algorithm

III	Microcontroller, Sensors & Actuators Lab
	<ol style="list-style-type: none"> 1. Write a program for addition of two 8-bits numbers and two 16-bits numbers. 2. Write a program for subtraction of two 8-bits numbers and two 16-bits numbers. 3. Write a program for multiplication of two 8-bits numbers. 4. Write a program for division of two 8-bits numbers 5. Write a program to check whether a given number is even or odd. 6. Write a program to demonstrate Logical Group and Shift Rotate Instructions. 7. Write a program to check whether a given number is positive or negative. 8. Write a program to find greatest of two 8-bits signed & unsigned numbers. 9. Write program to configure ports as I/P or O/P & transfer data 10. Write a program to find square of a given number using lookup table 11. Write a program to generate square wave of 50% duty cycle using DAC 12. Write a program using timer of 8051 13. Write a program to on & off Led. Write a program to rotate stepper motor at particular angle. 15. Write a program to interface LCD & display a character. 16. Write a program to Interface AD590 with 8051. (Beyond Syllabus) 17. Write a program to Interface ADC 0804 (Beyond Syllabus)
IV	C Skill-Lab II
	<ol style="list-style-type: none"> 1. Study Rasberry Pi and its component 2. Study Arduino and its component 3. Learn how to install Rasberry Pi 4. Learn configuration settings of Rasberry Pi 5. Start Raspberry Pi and learn the basics of editor and Raspberry Pi infrastructure 6. Start Raspberry Pi and try various Linux commands in command terminal window , Such as: ls, cd, touch, mv, rm, man, mkdir, rmdir, tar, gzip, cat, more, less, ps, sudo, cron, chown, chgrp, ping etc. 7. Write a program to Read your name and print Hello message with name in python 8. Write a program to Read two numbers and perform all arithmetic operations in python 9. Write a program to do Word and character count of a given string in python 10. Write a program to calculate Area of a given shape (rectangle, triangle and circle) in python 11. Write a program in python to Print a name 'n' times, where name and n are read from standard input, using for and while loops. 12. Write a program in python to Handle Divided by Zero Exception. 13. Write a program in python to Print current time for 10 times with an interval of 10 seconds. 14. Write a program in python to Read a file line by line and print the word count of each line 15. Write a code to do LED blinking using Rasberry Pi . 16. Write a code in Java to do accessing of microcontrollers. 17. Write a code in Java to do accessing of microcontrollers.

N. Computing Facilities

i. Internet Bandwidth

Item	Bandwidth
Internet Leased Line	300 Mbps

ii. Number and configuration of system

Sr.No	PC Specification	Total PC
1	Zenith PC : Pentium IV 1.66 GHz 128 MB RAM, 40 GB HDD, 1.44 MB FDD, 15" Digital Color Monitor (Sr.No.401488), 52x CDROM Drive, 10/100 MBPS Lan Card, 108 Keys Keyboard, Scroll Mouse, 56 KBPS Fax Modem Card, Speaker Set, 2S. 1P, 2USB (Sr.No.2U17728)	3
2	Super Genius 10845 GL Intel P-IV, 1.6 MHz, 2x 128 MB DDR, 40 GB, 5400 RPM, 1.44 MB FDD, 104 Key KBD, 2 button mouse, NAV, 52x CDROM, Window ME Preloaded, Intellismart (Sr.No. 167/6200001 to 167/200010)	10
3	Wipro Super Genius 10845GL P-IV, 1.6 GHz, 128 MB DDR, 40 GB HDD, 5400 rpm FDD, CDR, 104 keys keyboard, 2 button mouse, Win ME, NAV intell smart	70
4	Assembled PC (NeoTech) P-IV 1.9 GHz, 128 MB DDRAM, 1.44 MB FDD, 40 GB HDD 7200 RPM, Onboard AGP/Sound/LAN SVGA, 15" Digital Color Monitor, (LG-Sr.No.88865IN). Samsung MM K/B, Logitech scroll mouse, 845 GV M/B, ATX Cabinet (Neotech)	40
5	Intel P-IV 2.4 Ghz(box) with intel 845 GVSR original M/B, 256 MB DDR RAM Hunix(box), 40 GB, 7200 ATA 100 HDD Seagate, 1.44 MB FDD Sony, 52 x CDROM LG, On board 10/100 mbps intel LAN / Sound / AGP, 15 " Digital Color Monitor LG , Scroll Mouse Logitech, MM K/B, ATX Cabinet - Perx CPU SR.NO.HCA 34824683, MOnitor Sr.NO.	115
6	Intel P-IV 2.8 Ghz(box) with intel 845 GVSR original M/B CDDR/Sound/AGP/SSB/FSB/256 MB DDR RAM Hunix(box), 40 GB, 7200 ATA100 HDD Seagate, 1.44 MB FDD Si\ony, 52 x CDROM LG, on board 10/100 mbps intel LAN, 15 " Digital Color Monitor, Scroll Mouse Logitech, MM K/B, ATX Cabinet	25
7	HP Desktop PC DX 2255, 512 MB DDRII RAM, Intel M/B, DVD COMBO, Keyboard, Optical Mouse, 17 " TFT Monitor	55
8	HP DX 2300 INTEL DUEL CORE 2.8 GHZ with 512 DDR RAM , 80 GB HDD SATA , DVD WRITER SATA, Multi Media Keyboard , OPTICAL MOUSE iNTEX17"TFT MONITOR HPL1706 with Warrenty 3-3-3 CPU Sr.NO.-INA721041W, Monitor Sr.No.-CNN7150HLZ, Keyboard Sr.No.-BC3880ACPUE03J, Mouse SR.NO.-F93A90A5BUBONXW	110
9	PC-HP HP-DX 2480, 2.53 GHz, 1 GB DDR RAM, 160 GB HDD, DVD RW, OEM make 18.5" TFT Monitor, Keyboard, Mouse with 3 years warranty	25
10	Intel® core™ I3 330 / 350 M 2.4 GHz 4GB DDR3 , 320 GB HHD, DVD R/W, 18.5" TFT, Keyboard, Mouse with 3-3-3 Warranty	120
11	HP DX2300 DC2.8 GHZ 512MB RAM, 80GB HDD,DVD RW, MMKB, OPTICAL MOUSE	20
12	HCL Magnum, With 68030 4 MBTape Drive, Winchester Disk, 2x182 4 dump Terminal, Console VTIM-4 memory board with 4 mb , VACC-6 , 6881	1
13	IBM AS/400 SERVER WITH V3R7 OS/400, TERMINAL LOGIC UNIT, 121 KEYS K/B, 2X4 GB HDD, CD ROM, CTD DRIVE, MONO VGA MONITOR, AND PRELOADED SOFTWARES. INCLUDING CAT 5 NETWORKING OF AS/400, CS LAB	1
14	HP PC 2120,1 GB ECC DDR RAM 512 X2,Additional 86.4 GB SCSI Drive	2

Sr.No	PC Specification	Total PC
15	HP Server Brilliant ML 150	3
16	HP COMPAQ DX2255	55
17	HP SERVER ML110 WITH 3GHZ, 1GB RAM, 2X80 GB HDD, CDROM, MMKB, OPTICAL MOUSE, 17"HP TFT MONITOR	1
18	Sonic Wall PRO 4100	1
19	Server HP DL 380G5	1
20	HP 3330 M/c Core I3 3.0 GHz RAM 4GB DDR3, HDD 500 GB, DVD R/W Mniton 18.5" TFT, KeyBoard Mouse, Warrenty 3-3-3	140
21	HP 430 Core I3 3.0 GHz RAM 2GB DDR3, HDD 500 GB, DVD R/W Mniton 14" Sereen/DOS	5
		803

iii. Total number of system connected by LAN & WAN

System	LAN	WAN
Number of PC Connected to	260	260

iv. Major Software Packages Available –

a. List of System Software

SR. NO.	Name of equipment and Specification
1	MS WINDOWS2000 Prof.AE
2	Windows 7 OS starter pack
3	Linux Red Hat
4	Microsoft Windows NT Server 4.0,
5	Window NT clinet access licences AE
6	Windows 98
7	Microsoft MSDN
8	Microsoft MSDN Open Value Subscriptions (For JSPM)

b. List of Application Software

SR. NO	Name of equipment and Specification	Quantity	Cost	Remark
1	Oracle 8i under Windpws NT Work Group 05 User	1	37500.00	
2	Developer 2000 under Window NT/98/95	1	130000.00	

3	Borland Turbo C++ Accelerate Single	15	48000.00	
4	MS Office XP Prof.	1	69000.00	
5	Adobe Page Maker 6.5 plus full pack	1	13300.00	
6	Corel Draw 9.0	1	6745.00	
7	MS office 2000 full pack Professional AE	1	30300.00	
8	Turbo Accelerate Suite C++(Borland)	15	72000.00	
9	AUTO DESK 3D STUDIO MAX AE	1	53000.00	
10	Microsoft Visual C++ ver 5.0 P.E. with licence and warranty	1	3100.00	
11	MS Visual Basic Prof.5.0 AE with licence and warranty	1	3100.00	
12	Macromedia Web Design Studio MX 1.1 AE Single user	1	12000.00	
13	J Builder Developer Ed. AE (Ind : JDK 1.3)	1	136000.00	
14	IBM Rational suite Enterprise with 15 floating licences	1	306720.00	
15	Net Sim Academic Version 4.0 Network Simullator Software	1	169725.00	
16	SCRAM development toolset for ARM Micro controller	1	27540.00	
17	DE2 Board with Mega Pixel Camera Module & Color Graphics LCD Display	1	53120.00	
18	MAT LAB	1set	54313.00	
19	MS Visual Studio Enterprises A.E.V6.0	1set	11500.00	
20	Turbo Accelerate Suite C++(Borland)	15	72000.00	
21	Turbo Pascal Compiler	1	4295.00	
22	Norton Antivirus for Windows NT Server V 5.0	1	8550.00	
23	Norton Antivirus for Nvell Netware Server V 4.0	1	9547.00	
24	Softtek Fortran 77 Compiler AE	25	105000.00	
25	MS office 97 AE	1	10850.00	
26	Borland Turbo C++ Accelerate Single	15	48000.00	
27	Norton System Work 2003 Prof.	1	3000.00	
28	Norton Antivirus Single User for XP Prof. 2003/03 for XP Home	3	3600.00	
29	Norton Antivirus Ver 2004	2	3578.00	
30	Nortons Anti virus for server MUB	1	12750.00	
31	CC PROXY S/W	2	9614.00	
32	E-TRUST AV IBM SCM 200 USER , 3 YEARS FREE UPDATES Anti Virus Software	1	311000.00	

v. **Special Purpose facilities available (Conduct of online Meetings/Webinar/Workshop etc)**

Facilities for conduct of Classes/ Courses in online mode (Theory & Practical)

Computing Facilities	Facilities /Tools /Software
<p align="center">Conduction of Meeting / Webinars/Workshops /Classes /Courses in online mode</p>	<p>Microsoft 365 A3 Faculty M365 Education A3 Plan Microsoft Intune + EMS Azure Active Directory Premium P1 Azure Information Protection Premium P1 Advanced Threat Analytics Windows 10 Upgrade Education Microsoft – Education Edition Windows Server CALS System Server Config CML System Centre Endpoint Protection Office 365 For student @ Zero cost 1:40 (1 Faculty/Knowledgeworker:40 students)</p>
	<p>Microsoft Team Software</p>
	<p>Zoom Software</p>
	<p>Cisco Webx App</p>
	<p>Google Meet App</p>
	<p>Online Compiler Software for executing the code on desktop/Laptop/Mobile</p>

O. List of Facilities available

i. Games and Sport facilities

INDOOR GAMES



OUTDOOR GAMES



OUTDOOR GAMES



GYMNASIUM



GYMNASIUM



ii. Soft Skill facilities Lab

LANGUAGE LAB



COMPUTER CENTRE



AIR COOLED AUDITORIUM WITH CAPACITY OF 700 SEAT



SEMINAR HALL (03 Nos.)



- P. Teaching Learning Process**
 - i. Scheme and Syllabus of each program**
 - a. Civil Engg.**

Four Year Degree Course in Bachelor of Engineering Branch: **CIVIL ENGINEERING**
Semester Pattern (Choice Based Credit Grade System)

SEMESTER : THIRD																
Sr. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME								
			HOURS / WEEK			Total HOURS/WEEK	CREDITS	THEORY					PRACTICAL			
			Lecture	Tutorial	P/D			Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks		Total	Min. Passing Marks
Int.	Ext.															
THEORY																
01	3CE01	Engineering Mathematics-III	3	1	--	4	4	3	80	20	100	40	--	--	--	--
02	3CE02	Strength of Materials	3	--	--	3	3	3	80	20	100	40	--	--	--	--
03	3CE03	Building Construction & Engineering Geology	3	--	--	3	3	3	80	20	100	40	--	--	--	--
04	3CE04	Transportation Engineering	3	--	--	3	3	3	80	20	100	40	--	--	--	--
05	3CE05	Concrete Technology & RCC	3	--	--	3	3	3	80	20	100	40	--	--	--	--
06	4ES06	**Environmental Science	2	--	--	2	--	--	--	--	--	--	--	--	--	--
PRACTICALS / DRAWING / DESIGN																
07	3CE07	Strength of Materials- lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25
08	3CE08	Building Construction & Engineering Geology-lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25
09	3CE09	Transportation Engineering-lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25
10	3CE10	Concrete Technology & RCC-lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25
Total			17	1	8	26	20	--	--	--	500	--	--	--	200	--
Grand Total															700	

Note: **The Examination of Mandatory Subject Environmental Science shall be conducted in IV Semester.

SEMESTER : FOURTH																
Sr. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME								
			HOURS / WEEK			Total HOURS/WEEK	CREDITS	THEORY					PRACTICAL			
			Lecture	Tutorial	P/D			Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks		Total	Min. Passing Marks
Int.	Ext.															
THEORY																
01	4CE01	Building Planning Designing & CAD	3	--	--	3	3	4	80	20	100	40	--	--	--	--
02	4CE02	Hydrology & Water Resource Engg.	3	--	--	3	3	3	80	20	100	40	--	--	--	--
03	4CE03	Surveying	3	--	--	3	3	3	80	20	100	40	--	--	--	--
04	4CE04	Geotechnical Engineering-I	3	--	--	3	3	3	80	20	100	40	--	--	--	--
05	4CE05	Structural Analysis - I	3	1	--	4	4	3	80	20	100	40	--	--	--	--
06	4ES06	**Environmental Science	2	--	--	2	2	3	80	20	100	40	--	--	--	--
PRACTICALS / DRAWING / DESIGN																
07	4CE07	Building Planning Designing & CAD-lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25
08	4CE08	Hydrology & Water Resource Engg. - lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25
09	4CE09	Surveying - lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25
10	4CE10	Geotechnical Engineering-I- lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25
Total			17	1	8	26	22	--	--	--	500	--	--	--	200	--
Grand Total															700	

Note: **The Examination of Subject Environmental Science shall be conducted in IV Semester.

SEMESTER : FIFTH																	
Sr. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME									
			HOURS / WEEK			Total HOURS/WEEK	CREDITS	THEORY					PRACTICAL				
			Lecture	Tutorial	PD			Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks		Total	Min. Passing Marks	
												Int.	Ext.				
THEORY																	
01	SCE01	Design of Reinforced & Prestressed Concrete Structures	3	1	--	4	4	3	80	20	100	40	--	--	--	--	
02	SCE02	Surveying & Geomatics	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
03	SCE03	Numerical Methods & Computer Programming	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
04	SCE04	Professional Elective -I	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
05	SCE05	Open Elective - I	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
PRACTICALS / DRAWING / DESIGN																	
06	SCE06	Design of Reinforced & Prestressed Concrete Structures- lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
07	SCE07	Surveying & Geomatics -lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
08	SCE08	Numerical Methods & Computer Programming -lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
09	SCE09	Professional Elective -I -lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
			Total	15	1	8	24	20	--	--	--	500	--	--	--	200	--
															Grand Total	700	
Note : Open Elective - I to be opted from the Courses offered by the other Engineering & Technology courses from the College / Depts. of the University. SCE04 & SCE09 Prof. Elective I : (i) Highway Construction & Management (ii) Repairs & Rehabilitation of Structures (iii) Sustainable Construction Methods iv) Watershed Engg. & Management SCE05: Open Elective I : (i) Basic to Building Construction (ii) Disaster Management (iii) Soft Skills and Interpersonal Communication																	

SEMESTER : SIXTH																	
TEACHING SCHEME																	
EXAMINATION SCHEME																	
Sr. No.	Subject Code	Subject	HOURS / WEEK					THEORY					PRACTICAL				
			HOURS / WEEK			Total HOURS/WEEK	CREDITS	Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks		Total	Min. Passing Marks	
			Lecture	Tutorial	PD								Int.	Ext.			
THEORY																	
01	6CE01	Design of Steel Structures	3	1	--	4	4	3	80	20	100	40	--	--	--	--	
02	6CE02	Environmental Engineering - I	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
03	6CE03	Fluid Mechanics	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
04	6CE04	Prof. Elective - II	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
05	6CE05	Open Elective - II	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
PRACTICALS / DRAWING / DESIGN																	
06	6CE06	Design of Steel Structures-lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
07	6CE07	Environmental Engineering - I-lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
08	6CE08	Fluid Mechanics-lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
09	6CE09	Mini Project	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
			Total	15	1	8	24	20	--	--	--	500	--	--	--	200	--
															Grand Total	700	
Note : i) Open Elective - II to be opted from the Courses offered by the other Engineering & Technology courses from the College / Depts. of the University. ii) Students need to do compulsory Two (2) weeks Internship after 6th Semester and that shall be monitored by allotted Final year Project Guides. 6CE04 : PE (II) : (i) Advanced Construction Materials (ii) Geographic Information Systems & Science (iii) Masonry Structures (iv) Solid & Hazardous Waste Management (v) Traffic Engineering & Management 6CE05 : OE (II) : (i) Environmental Management (ii) Human Resource Development & Organizational Behavior (iii) Introduction to Earthquake Engineering																	

6

**FOUR YEAR DEGREE COURSE IN BACHELOR OF ENGINEERING
BRANCH - MECHANICAL ENGINEERING - SEMESTER PATTERN (CREDIT GRADE SYSTEM)**

SEMESTER - SEVENTH

Appendix - B

SEMESTER - SEVENTH																
TEACHING SCHEME																
EXAMINATION SCHEME																
Sr. No.	Subject Code	Subject	HOURS / WEEK					THEORY					PRACTICAL			
			HOURS / WEEK			Total HOURS/WEEK	CREDITS	Duration Of Paper (Hr.)	Max. Marks Theory Paper	Max. Marks College Assessment	Total	Min. Passing Marks	Max. Marks		Total	Min. Passing Marks
			Lecture	Tutorial	PD								External	Internal		
THEORY																
01	7ME01	Machine Design & Drawing II	3	--	--	3	3	4	80	20	100	40	--	--	--	--
02	7ME02	Energy Conversion-II	3	1	--	4	4	3	80	20	100	40	--	--	--	--

Academic Timetable with name of faculty member handling the course: (Session 2021-22/S-22)

With effect from: 14 Feb. 2022

Class: - 2C

DAY	1	2	Break	3	4	Break	5	6
TIME	11.00-12.00	12.00-01.00		01.15-02.15	02.15-03.15		03.45-04.45	04.45-05.45
MON		Hyd & WRE VVB 2315	Break	← BP&CAD Lab → (KR) 2218		Break		
TUE	GE-I SRG 2315	SVY ABS 2315		SA-I ACS 2315	SA-I ACS 2315			
WED	Env. Sci RPG	SA-I ACS 2315						
THU	BP&CAD KR 2315	BP&CAD KR 2315		SVY ABS 2315	GE-I SRG 2315		← Hyd & WRE Lab → VVB 2218	
FRI	BP&CAD KR 2315	SA-I ACS 2315		Hyd & WRE VVB 2315	GE-I SRG 2315		← GE-I Lab → (ZAA)	

	08.00-09.00	09.00-10.00	Break	10.30-11.30	11.30-12.30	12.30-01.30
	1	2		3	4	5
SAT	SVY ABS 2315	Env. Sci RPG	Break	Hyd & WRE VVB 2315	← SVY Lab → ABS	

With effect from: 14 Feb. 2022

Class: - 3C

DAY	1	2	Break	3	4	Break	5	6
TIME	11.00-12.00	12.00-01.00		01.15-02.15	02.15-03.15		03.45-04.45	04.45-05.45
MON	NES(OE-II) MAA 3214	DSS ACS 2320	Break		EE-I SSZ 2320	Break	← EE-I Lab (3C1)(SRG) → ← FM Lab (3C2) (PVC) →	
TUE	NES(OE-II) MAA 3214	SHWM(PE-II) ZAA 2320			EE-I SSZ 2320		← FM Lab (3C3) (PVC) →	
WED	NES(OE-II) MAA 3214	SHWM(PE-II) ZAA 2320		FM PVC 2320	EE-I SSZ 2320		← 3C DSS Lab (ACS) →	
THU	DSS ACS 2320	DSS ACS 2320						
FRI	SHWM(PE-II) ZAA 2320	FM PVC 2320		← EE-I Lab (3C2) (SSZ) → ← FM Lab (3C1) (PVC) →			← 3C Mini Project → (SRG/ABS/PVC)	

	08.00-09.00	09.00-10.00	Break	10.30-11.30	11.30-12.30	12.30-01.30
	1	2		3	4	5
SAT	FM PVC 2320	DSS ACS 2320	Break	← EE-I Lab (3C3) (SRG) →		

With effect from: 14 Feb. 2022

Class: - 4CA

DAY	1	2	Break	3	4	Break	5	6
TIME	11.00-12.00	12.00-01.00		01.15-02.15	02.15-03.15		03.45-04.45	04.45-05.45
MON	PPM ZAA 2219	EE-II SSZ 2219	Break	ADRCC ASG 2315		Break	← P & S →	
TUE	WRE-II VVB 2218	EE-II SSZ 2218		ADRCC ASG 2218			← 4CA WRE-II Lab → A1,A2, A3 VVB 2218	
WED		EE-II SSZ 2218		WRE-II ABS 2218	PPM ZAA 2218		← 4CA1 EE-II Lab → SRG	
THU	ADRCC ASG 2218	WRE-II VVB 2218		← 4CA2 EE-II Lab → KR			← 4CA3 EE-II Lab → ZAA	
FRI	← P & S →							

	08.00-09.00	09.00-10.00	Break	10.30-11.30	11.30-12.30	12.30-01.30
	1	2		3	4	5
SAT		ADRCC ASG 2218	Break	PPM ZAA 2218	← P & S →	

DAY	1	2	Break	3	4	Break	5	6
TIME	11.00-12.00	12.00-01.00		01.15-02.15	02.15-03.15		03.45-04.45	04.45-05.45
MON	← 4CB WRE-II → ABS (2218)		Break	ADRCC PVC 2219	PPM ZAA 2219	Break	← P & S →	
TUE				ADRCC PVC 2219	WRE-II ABS 2219		← 4CB1 EE-II Lab → SRG	
WED		WRE-II VVB 2219		← 4CB2 EE-II Lab → SRG			← P & S →	
THU	ADRCC PVC 2219	EE-II SSZ 2219		PPM ZAA 2219				
FRI	WRE-II VVB 2219	EE-II SSZ 2219		PPM ZAA 2219				
								← 4CB3 EE-II Lab → SSZ

	08.00-09.00	09.00-10.00	Break	10.30-11.30	11.30-12.30	12.30-01.30
	1	2		3	4	5
SAT		EE-II SSZ 2219	Break	ADRCC PVC 2219	← P & S →	

Teaching load of each faculty (Session 2021-22/S-22)

Sr. No	Name of Staff	Theory subjects (L+T)	Total Theory	Practical	Total Practical	Load
1	Prof. S.S. Zambani	EE-I(3) EE-II(6)	09	EE-I(3C2) EE-II(4CB3) P&S	08	17 SRG
2	Dr. K. Ravi	BP&CAD(3) IEE(OEII)(3)	06	BP&CAD EE-II(4CA2) P&S	08	14
3	Prof. A.C. Saoji	SA-I(3+1) DSS(3+1)	08	DSS(3C1,2,3) P&S	10	18

Sr. No	Name of Staff	Theory subjects (L+T)	Total Theory	Practical	Total Practical	Load
4	Prof. A. S. Gadewar	EM(4) ADRCC(4)	08	EM(A1,2,3) P&S	10	18
5	Prof. Z.A. Ahemad	PPM(6) SHWM(3)	09	EE-II(4CA3) GE-I P&S	08	17
6	Prof. V.V. Burshe	Hyd&WRE (3) WRE-II(4)	07	Hyd&WRE WRE-II(4CA1,2,3) P&S	14	19
7	Prof. P.V. Chavan	FM(3) ADRCC(4)	07	FM(3C1,2,3) Mini Project(3C3) P&S	12	19
8	Prof. A.B.Saiyed	SVY(3) WRE-II(2)	05	SVY WREII(4CB1,2,3) Mini project(3C2) P&S	14	19
9	Prof Ms.S.R.Gawande	GE-I(3)	03	EE-I(3C1&C3) EE-II(4CA1,4CB1,&2) Mini project(3c1)	12	15

ii. Mechanical Engg.

Semester Pattern (Choice Based

Credit Grade System)

Four Year Degree Course in Bachelor of Engineering Branch: MECHANICAL ENGINEERING
Semester Pattern (Choice Based Credit Grade System)

		TEACHING SCHEME				EXAMINATION SCHEME										
Sr. No.	Subject Code	Subject	HOURS / WEEK			CREDITS	THEORY				PRACTICAL					
			Lecture	Tutorial	P/D		Total HOURS/WEEK	Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks	Ext.	Total	Min. Passing Marks
THEORY																
01	3ME01	Mathematics-III	3	1	-	4	4	3	80	20	100	40	-	-	-	
02	3ME02	Manufacturing Processes	3	-	-	3	3	3	80	20	100	40	-	-	-	
03	3ME03	Mechanics of Materials	3	-	-	3	3	3	80	20	100	40	-	-	-	
04	3ME04	Engineering Thermodynamics	3	-	-	3	3	3	80	20	100	40	-	-	-	
05	3ME05	Fluid Mechanics	3	-	-	3	3	3	80	20	100	40	-	-	-	
06	4ES06	**Environmental Studies	2	-	-	2	-	-	-	-	-	-	-	-	-	
PRACTICALS / DRAWING / DESIGN																
07	3ME07	Manufacturing Processes- lab.	-	-	2	2	1	-	-	-	-	-	25	25	50	25
08	3ME08	Mechanics of Materials- lab.	-	-	2	2	1	-	-	-	-	-	25	25	50	25
09	3ME09	Fluid Mechanics- lab.	-	-	2	2	1	-	-	-	-	-	25	25	50	25
10	3ME10	Machine Drawing- lab.	-	-	2	2	1	-	-	-	-	-	25	25	50	25
Total			17	1	8	26	20	-	-	-	500	-	-	-	200	-
													Grand Total		700	

Note: **The Examination of the Subject Environmental Studies shall be conducted in IV Semester.

b.

SEMESTER : FOURTH																	
Sr. No.	Subject Code	Subject	TEACHING SCHEME				EXAMINATION SCHEME										
			HOURS / WEEK		CREDITS	Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	PRACTICAL						
			Lecture	Tutorial							PD	Total Hours/Week	Int.	Ext.	Max. Marks	Total	Min. Passing Marks
THEORY																	
01	4ME01	Material Science	3	-	-	3	3	3	80	20	100	40	-	-	-	-	-
02	4ME02	Energy Conversion - I	3	1	-	4	4	4	80	20	100	40	-	-	-	-	-
03	4ME03	Manufacturing Technology	3	-	-	3	3	3	80	20	100	40	-	-	-	-	-
04	4ME04	Basic Electrical Drives & Control	3	-	-	3	3	3	80	20	100	40	-	-	-	-	-
05	4ME05	Hydraulic & Pneumatic Systems	3	-	-	3	3	3	80	20	100	40	-	-	-	-	-
06	4ES06	**Environmental Studies	2	-	-	2	2	2	80	20	100	40	-	-	-	-	-
PRACTICALS / DRAWING / DESIGN																	
07	4ME07	Material Science-lab	-	-	2	2	1	1	-	-	-	-	25	25	50	25	25
08	4ME08	Manufacturing Technology-lab	-	-	2	2	1	1	-	-	-	-	25	25	50	25	25
09	4ME09	Basic Electrical Drives & Control-lab	-	-	2	2	1	1	-	-	-	-	25	25	50	25	25
10	4ME10	Hydraulic & Pneumatic Systems-lab	-	-	2	2	1	1	-	-	-	-	25	25	50	25	25
Total			17	1	8	26	22	500	-	-	500	-	-	-	200	-	700

Note: **The Examination of Mandatory Subject Environmental Science shall be conducted in IV Semester.

SEMESTER : FIFTH																					
Sr. No.	Subject Code	Subject	TEACHING SCHEME				EXAMINATION SCHEME														
			HOURS/ WEEK		CREDITS	THEORY			PRACTICAL												
			Lecture	Tutorial		P/D	Total	Hours/Week	Duration Of Paper (Hr.)	Max Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks	Ext.	Total	Min. Passing Marks				
THEORY																					
01	5ME01	Heat Transfer	3	--	--	3	3	3	3	3	3	80	20	100	40	--	--	--			
02	5ME02	Metrology & Quality Control	3	--	--	3	3	3	3	3	3	80	20	100	40	--	--	--			
03	5ME03	Kinematics of Machines	3	1	--	4	4	4	3	3	3	80	20	100	40	--	--	--			
04	5ME04	Measurement Systems	3	--	--	3	3	3	3	3	3	80	20	100	40	--	--	--			
05	5ME05	Open Elective – I (OE-I)	3	--	--	3	3	3	3	3	3	80	20	100	40	--	--	--			
PRACTICALS / DRAWING / DESIGN																					
06	5ME06	Heat Transfer- lab.	--	--	2	2	1	1	--	--	--	--	--	--	--	--	25	25	50	25	
07	5ME07	Metrology & Quality Control- lab.	--	--	2	2	1	1	--	--	--	--	--	--	--	--	25	25	50	25	
08	5ME08	Kinematics of Machines- lab.	--	--	2	2	1	1	--	--	--	--	--	--	--	--	25	25	50	25	
09	5ME09	Measurement Systems –lab.	--	--	2	2	1	1	--	--	--	--	--	--	--	--	25	25	50	25	
Total			15	1	8	24	20	20	--	--	--	--	--	500	--	--	--	--	200	--	--
											Grand Total		700								

Open Elective – I (For other Disciplines) : (i) Production Management (ii) Manufacturing Techniques

An Orientation Program of 15 Hours duration / MOOCs on Advanced Courses like Machine learning, 3-D Printing, Virtual Reality, Supply Chain Management, Numerical Computation for Mechanical Engineers, Bio-mechanics, Fundamentals of nano-Engineering, Micro-Electro Mechanical Systems, Nano-to-Macro Transport Processes, Fundamentals of Photo Voltaics, Machine Tools etc. be offered during V semester.

Open Elective-I to be opted from the University's faculty of Engineering & Technology offered inter-disciplinary courses or MOOCs courses pertaining to the Engineering Profession.

		TEACHING SCHEME				EXAMINATION SCHEME						
Sr. No.	Subject Code	Subject	HOURS / WEEK		CREDITS	DURATION OF PAPER (Hrs.)	MAX. MARKS THEORY PAPER	MAX. MARKS COLLEGE ASSESSMENT	TOTAL	MIN. PASSING MARKS	MAX. MARKS	
			Lecture	P/D							EXTERNAL	INTERNAL
THEORY												
01	7ME01	Machine Design & Drawing-II	3	-	3	4	80	20	100	40	-	-
02	7ME02	Energy Conversion-II	3	1	4	3	80	20	100	40	-	-
03	7ME03	Industrial Management and Costing	3	1	4	3	80	20	100	40	-	-
04	7ME04	Automation Engineering	3	1	4	3	80	20	100	40	-	-
05	7ME05	Professional Elective-I	3	1	4	3	80	20	100	40	-	-
PRACTICALS / DRAWING / DESIGN												
06	7ME06	Project & Seminar	-	2	2	-	-	-	-	-	-	50
07	7ME07	Machine Design & Drawing-II-Lab.	-	2	2	-	-	-	-	-	25	25
08	7ME08	Energy Conversion-II-Lab	-	2	2	-	-	-	-	-	25	25
09	7ME09	Automation Engineering-Lab	-	2	2	-	-	-	-	-	25	25
10	7ME10	Professional Elective-I - Lab	-	2	2	-	-	-	-	-	25	25
			Total	15	4	10	29	27	500	GRAND TOTAL		

Professional Elective-I (1) Non Conventional Energy System (2) Tool Engineering (3) Artificial Intelligence & Expert Systems (4) Mechatronics

SEMESTER : EIGHTH

		TEACHING SCHEME				EXAMINATION SCHEME						
Sr. No.	Subject Code	Subject	HOURS / WEEK		CREDITS	DURATION OF PAPER (Hrs.)	MAX. MARKS THEORY PAPER	MAX. MARKS COLLEGE ASSESSMENT	TOTAL	MIN. PASSING MARKS	MAX. MARKS	
			Lecture	P/D							EXTERNAL	INTERNAL
THEORY												
01	8ME01	Elective-II	3	-	3	3	80	20	100	40	-	-
02	8ME02	Elective-III	3	-	3	3	80	20	100	40	-	-
03	8ME03	I.C. Engines	3	-	3	3	80	20	100	40	-	-
04	8ME04	Operations Research Techniques	3	-	3	3	80	20	100	40	-	-
PRACTICALS / DRAWING / DESIGN												
05	8ME05	Project & Seminar	-	6	6	-	-	-	-	-	75	75
06	8ME06	Professional Elective-III-Lab	-	2	2	-	-	-	-	-	25	25
07	8ME07	I.C. Engines-Lab	-	2	2	-	-	-	-	-	25	25
08	8ME08	Operations Research Techniques-Lab	-	2	2	-	-	-	-	-	25	25
			Total	12	12	24	27	400	GRAND TOTAL			

Professional Elective-II (1) Automobile Engineering (2) Production Planning & Control (3) Management Information Systems (4) Advanced Manufacturing Systems
Professional Elective-III (1) Refrigeration & Air Conditioning (2) Machine Tool Design (3) Finite Element Methods (4) Robotics

Academic Time Table

Mechanical Engg.


TIME TABLE
DEPARTMENT OF MECHANICAL ENGINEERING
BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD

4M

CLASS:- Eighth Semester W.E.F:-15/02/2021 Room No: 3214

DAY	11.00-12.00	12.00-1.00	1:15 - 2:15	2:15 - 3:15	3:45-4.45	4.45-5.45
MONDAY	AE/KKJ	ORT/HBN	ROBO/GKG			
TUESDAY	ICE/VVD	ROBO/GKG	ORT/HBN		A1/ICE/VVD/3114 A2/ ORT/KKJ/3101 A3/ ROBO/GKG/3205	
WEDNESDAY	ROBO/GKG	ORT/HBN	A1/ROBO/GKG/3205		Project & Seminar	
THURSDAY	AE/KKJ	ICE/VVD	A2/ICE/VVD/3114 A3 /ORT/KKJ/3101		Project & Seminar	
FRIDAY	ICE/VVD	AE/KKJ	A3/ICE/VVD/3114 A1/ ORT/KKJ/3101 A2/ ROBO/GKG/3205			
8:00-9:00 9:00-10:00			10:30-11:30	11:30-12:30	12:30-1:30	
SATURDAY			Project & Seminar			

Time Table /C



J.G.Ingle
Associate Professor & Head
Department of Mechanical Engg.
Mech.Engg.Dept. B.N.College of Engg.,Pusad


TIME TABLE
DEPARTMENT OF MECHANICAL ENGINEERING
BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD

3M

CLASS:- Sixth Semester W.E.F:-15/02/2021 Room No: 3206

DAY	11.00-12.00	12.00-1.00	1:15 - 2:15	2:15 - 3:15	3:45-4.45	4.45-5.45
MONDAY	FP-II/MSK	CS-II/JGI	DM(FE)/ Dr. K.Ravi	TOM-II/SJR	A1/FP-II/MSK/Fluid Lab A2/ CSA-II/JGI/3202 A3/ TOM-II/SJR/3117	
TUESDAY	TOM-II/JGI	FP-II/MSK	DM(FE)/ Dr. K.Ravi	CS/RPG	A2/FP-II/MSK/Fluid Lab A3/ CSA-II/JGI/3202 A1/TOM-II/SJR/3117	
WEDNESDAY	TOM-II/JGI	CSE/SSB	DM(FE)/ Dr. K.Ravi	CS/RPG	FP-II/MSK	
THURSDAY	TOM-II/SJR	CS-II/JGI	FP-II/MSK	CSE/SSB	A3/FP-II/MSK/Fluid Lab A1/CSA-II/JGI/3202 A3/ CS/RPG/Lang. Lab	
FRIDAY	FP-II/MSK	CS-II/JGI	TOM-II/SJR	CSE/SSB	A1/CS/RPG/Lang. Lab A2/ TOM-II/SJR/3117	
8:00-9:00 9:00-10:00			10:30-11:30	11:30-12:30	12:30-1:30	
SATURDAY			A2/CS/RPG/Lang. Lab			

Time Table /C



J.G.Ingle
Associate Professor & Head
Department of Mechanical Engg.
Mech.Engg.Dept. B.N.College of Engg.,Pusad


TIME TABLE
DEPARTMENT OF MECHANICAL ENGINEERING
BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD

2M

CLASS:- Fourth Semester W.E.F:-15/02/2021 Room No: 3202

DAY	11.00-12.00	12.00-1.00	1:15 - 2:15	2:15 - 3:15	3:45-4.45	4.45-5.45
MONDAY		MS/GKG	MT/SGL	BEDC/SSP	MT/WORKSHOP Dept.	
TUESDAY		HPS/SJR	MT/SGL	EC-I/MAA	BEDC/M/C Lab.(ECN Dept.)	
WEDNESDAY		EC-I/MAA	HPS/SJR	BEDC/SSP		
THURSDAY		EC-I/MAA	MS/GKG	HPS/SJR	MS/GKG/3208	
FRIDAY		MS/GKG	MT/SGL	BEDC/SSP	HPS/MSK(Fluid Lab.)	
8:00-9:00 9:00-10:00			10:30-11:30	11:30-12:30	12:30-1:30	
SATURDAY						

Time Table /C



J.G.Ingle
Associate Professor & Head
Department of Mechanical Engg.
Mech.Engg.Dept. B.N.College of Engg.,Pusad

Teaching Load of each faculty:**Mechanical Engg. Department****ODD semester**

S.No	Name of Faculty	Class	Theory	Practical
1	Dr. A.M.Wankhade	4M	M/c Design & Drawing-II	M/c Design & Drawing-II
2	Dr. H.B.Nanvala	4M	Ind. Mangement & Costing	
3	J.G.Ingale	2M	Mech. Of Material	Mech. Of Material
4	M.S.Khan	3M	Heat Transfer	Heat Transfer
		2M	Fluid Mechanics	Fluid Mechanics
5	G.K.Gattani	4M	Automation Engg.	Automation Engg.
		3M	Production Tech.	Production Tech.
6	V.V.Dongaonkar	4M	Non conventional Energy system	Non conventional Energy system
7	M.A.Ali	4M	Energy Conversion-II	Energy Conversion-II
8	S.J.Rajpal	3M	Theory of Machines-I	Theory of Machines-I
9	Dr. S.S.Bhagwat	2M	Engg. Thermodynamics	
10	Dr. K.K.Jadhao	4M	Tool Engg.	Tool Engg.
11	S.G.Labhshetwar	2M	Manufacturing Tech.	Manufacturing Tech.

Even Semester

S.No	Name of Faculty	Class	Theory	Practical
2	Dr. H.B.Nanvala	4M	Operation Research Tech.	
3	J.G.Ingale	3M	Theory of Machines-II	
		3M	Comp. Software Appl.-II	Comp. Software Appl.-II
4	M.S.Khan	3M	Fluid Power-II	Fluid Power-II
		2M		Hydraulic & Pneumatics Syst
5	G.K.Gattani	4M	Robotics	Robotics
		2M	Material Science	Material Science
6	V.V.Dongaonkar	4M	I C Engine	I C Engine
		3yr	NES(Free Elective)	
7	M.A.Ali	2M	Energy Conversion-I	
		1 st yr	Engg. Graphics	Engg. Graphics
8	S.J.Rajpal	3M	Theory of Machines-II	Theory of Machines-II
		2M	Hydraulic & Pneumatics Syst.	
9	Dr. S.S.Bhagwat	3M	Control System	
10	Dr. K.K.Jadhao	4M	Automobile Engg.	Operation Research Tech.
		3yr	AE(Free Eleective)	
11	S.G.Labhshetwar	2M	Manufacturing Tech.	Manufacturing Tech.

**Four Year Degree Course in Bachelor of Engineering Branch: ELECTRICAL ENGINEERING
(ELECTRONICS & POWER)**

Semester Pattern (Choice Based Credit Grade System)

SEMESTER THIRD							
Sr. No.	Subject Code	Subject	TEACHING SCHEME				CREDITS
			HOURS / WEEK			Total HOURS/WEEK	
			Lecture	Tutorial	P/D		
01	3EP01	Engineering Mathematics-II	3	1	--	4	4
02	3EP02	Electrical Circuit Analysis	2	1	--	3	3
03	3EP03	Electrical Machines - I	3	--	--	3	3
04	3EP04	Energy Resources & Generation	3	--	--	3	3
05	3EP05	Electronic Devices & Circuits	3	--	--	3	3
06	4ES06	**Environmental Studies	2	--	--	2	0
07	3EP06	Electrical Circuit Analysis - lab.	--	--	2	2	1
08	3EP07	Electrical Machines - I - lab.	--	--	2	2	1
09	3EP08	Electronic Devices & Circuits - lab.	--	--	2	2	1
10	3EP09	Electrical Technology - lab.	--	--	2	2	1
Total			15	2	8	26	20

SEMESTER : FOURTH

Sr. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME								
			HOURS / WEEK			Total HOURS/WEEK	CREDITS	THEORY				PRACTICAL				
			Lecture	Tutorial	P/D			Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks Int.	Ext.	Total	Min. Passing Marks
THEORY																
01	4EP01	Electromagnetic Fields	2	1	--	3	3	3	80	20	100	40	--	--	--	--
02	4EP02	Electrical Measurements & Instrumentation	3	--	--	3	3	3	80	20	100	40	--	--	--	--
03	4EP03	Control Systems	3	--	--	3	3	3	80	20	100	40	--	--	--	--
04	4EP04	Numerical Methods & Optimization Techniques	2	1	--	3	3	3	80	20	100	40	--	--	--	--
05	4EP05	Analog & Digital Circuits	3	1	--	4	4	3	80	20	100	40	--	--	--	--
06	4ES06	**Environmental Studies	2	--	--	2	2	3	80	20	100	40	--	--	--	--
PRACTICALS / DRAWING / DESIGN																
07	4EP06	Electrical Measurements & Instrumentation - lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25
08	4EP07	Control Systems - lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25
09	4EP08	Analog & Digital Circuits - lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25
10	4EP09	Electronics Technology - lab.	--	--	2	2	1	--	--	--	--	--	50	--	50	25
Total			15	3	8	26	22	--	--	--	500	--	--	--	200	--
TOTAL																700

SEMESTER : FIFTH																	
Sr. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME									
			HOURS / WEEK			Total HOURS/WEEK	CREDITS	THEORY					PRACTICAL				
			Lecture	Tutorial	P/D			Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks		Total	Min. Passing Marks	
		Int.	Ext.														
THEORY																	
01	5EP01	Power System –I	4	--	--	4	4	3	80	20	100	40	--	--	--	--	
02	5EP02	Microprocessor & Microcontroller	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
03	5EP03	Electrical Machines - II	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
04	5EP04	Professional Elective –I (PE-I)	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
05	5EP05	Open Elective – I (OE-I)	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
PRACTICALS / DRAWING / DESIGN																	
06	5EP06	Power System –I Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
07	5EP07	Microprocessor & Microcontroller- Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
08	5EP08	Electrical Machines –II - lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
09	5EP09	Information & Communication Tech.-lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
Total			16	0	8	24	20	--	--	--	500	--	--	--	200	--	
													TOTAL		700		

An Orientation Program of 15 Hours duration/ MOOCs on Indian Constitution to be offered during V semester.

Prof. Elective-I: I) Signal & Systems II) Network Analysis & Synthesis III) Electronic Communication Theory

Open Elective – I : (For other disciplines) (i) Electrical Drives (i). Power Supply Systems (iii) Power Plant Engineering

Open Elective-I to be opted from the university's faculty of Engineering & Technology offered interdisciplinary courses or MOOCs courses pertaining to the Engineering Profession.

SEMESTER : SIXTH																	
Sr. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME									
			HOURS / WEEK			Total HOURS/WEEK	CREDITS	THEORY					PRACTICAL				
			Lecture	Tutorial	P/D			Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks		Total	Min. Passing Marks	
		Int.	Ext.														
THEORY																	
01	6EP01	Power Electronics	4	--	--	4	4	3	80	20	100	40	--	--	--	--	
02	6EP02	Electrical Energy Distribution & Utilization	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
03	6EP03	Computer Aided Electrical Machine Design	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
04	6EP04	Prof. Elective -II (PE-II)	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
05	6EP05	Open Elective - II (OE-II)	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
PRACTICALS / DRAWING / DESIGN																	
06	6EP06	Power Electronics –lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
07	6EP07	Electrical Energy Distribution & Utilization –lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
08	6EP08	Computer Aided Electrical Machine Design –lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
09	6EP09	Computer Technology –lab	--	--	2	2	1	--	--	--	--	--	50	--	50	25	
Total			16	0	8	24	20	--	--	--	500	--	--	--	200	--	

An Orientation Program of 15 Hours duration/ MOOCs on Entrepreneurship Development to be offered during VI semester.

An Orientation Program of 15 Hours duration/ MOOCs on Indian Traditional Knowledge to be offered during VI semester.

Professional Elective – II: (I) Advanced Control Systems (II) Process Control System (III) Industrial Electrical System

Open Elective – II : (For other disciplines) (i) Energy Audit & Management (ii) Electrical Estimation & Costing (iii) Electrical Materials

SEMESTER : SEVENTH

Sr. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME								
			HOURS / WEEK			CREDITS	THEORY				PRACTICAL					
			Lecture	Tutorial	P/D		Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks		Total	Min. Passing Marks	
										Int.	Ext.					
THEORY																
01	7EP01	Power System II	3	--	--	3	3	3	80	20	100	40	--	--	--	--
02	7EP02	Digital Signal Processing	3	--	--	3	3	3	80	20	100	40	--	--	--	--
03	7EP03	Entrepreneurship & Project Management	3	--	--	3	3	3	80	20	100	40	--	--	--	--
04	7EP04	Prof. Elective - III (PE-III)	3	--	--	3	3	3	80	20	100	40	--	--	--	--
05	7EP05	Prof. Elective- IV (PE-IV)	3	--	--	3	3	3	80	20	100	40	--	--	--	--
PRACTICALS / DRAWING / DESIGN																
06	7EP06	Power System II Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25
07	7EP07	Digital Signal Processing - Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25
08	7EP08	Entrepreneurship & Project Management Lab	--	--	2	2	1	--	--	--	--	--	50	--	50	25
09	7EP09	Project & Seminar	--	--	8	8	4	--	--	--	--	--	50	--	50	25
Total			15	0	14	29	22	--	--	--	500	--	--	--	200	--
													TOTAL		700	
7EP04: PE(III) : (i) Wind & Solar Energy Systems (ii) Electrical Estimation & Costing (iii) Power System Operation & Control																
7EP05: PE(IV) : (i) Artificial Intelligence (ii) Electrical Drives & Control (iii) Distributed Automation																

SEMESTER : EIGHT

Sr. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME								
			HOURS / WEEK			Total HOURS/WEEK	CREDITS	THEORY					PRACTICAL			
			Lecture	Tutorial	P/D			Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks		Total	Min. Passing Marks
													Int.	Ext.		
THEORY																
01	SEP01	Power System Protection	3	--	--	3	3	3	80	20	100	40	--	--	--	--
02	SEP02	Computer Methods in Power System Analysis	3	--	--	3	3	3	80	20	100	40	--	--	--	--
03	SEP03	Prof. Elective-V (PE-V)	3	--	--	3	3	3	80	20	100	40	--	--	--	--
04	SEP04	Prof. Elective-VI (PE-VI)	3	--	--	3	3	3	80	20	100	40	--	--	--	--
PRACTICALS / DRAWING / DESIGN																
05	SEP05	Power System Protection- Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25
06	SEP06	Computer Methods in Power System Analysis- Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25
07	SEP07	Project & Seminar	--	--	12	12	6	--	--	--	--	--	75	75	150	75
Total			12	--	16	28	20	--	--	--	400	--	--	--	250	--
TOTAL																
650																

SEP03 : PE-V: (i) High Voltage Engineering (ii) HVDC & Facts (iii) Smart Grid System

SEP04 : PE-VI: (i) Power Quality (ii) Electrical Energy Conservation & Auditing (iii) Electric & Hybrid Vehicle

Faculty Teaching Load for the even Sem. session 2021-22

Sr. No.	Name of Faculty	Even Sem. Load (in hrs)
1	Dr. R. J. Bhiwani	14
2	Dr. A. N. Gaikwad	13
3	Dr. Vasif Ahmed	15
4	Prof. M. A. Khan	15
5	Dr. N. A. Charaniya	14
6	Prof. K.M. Punwatkar	15
7	Prof. K. S. Dongre	15
8	Prof. V. V. Dahale	15
9	Prof. S. M. Agrawal	14
10	Prof. S. S. Patil	15
11	Prof. P. D. Dudhat	15

Four Year Degree Course in Bachelor of Engineering Branch: Computer Science and Engg.

- i. Scheme
- ii. Time table
- iii. Faculty load

Schemes and syllabus of each of the programs (UG,PG)as approved by the university.

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI FOUR YEAR DEGREE COURSE IN BACHELOR OF ENGINEERING BRANCH: COMPUTER SCIENCE & ENGINEERING - SEMESTER PATTERN (CREDIT GRADE SYSTEM) SEMESTER: FIRST/SECOND "GROUP A"																	
SrNo	Subject Code	Subject Name	Teaching Scheme				Examination Scheme										
			Hours per Week			Credit	Theory			Practical							
			Lecture	Tutorial	P/D		Total Hours/Week	Duration of paper (Hr)	Max Marks Theory Paper	Max Marks College Assessment	Total	Min Passing Marks	External	Internal	Total	Min Passing Marks	
Theory																	
1	1A1	Engineering Mathematics-I	3	1		4	4	3	80	20	100	40					
2	1A2	Engineering Physics	4			4	4	3	80	20	100	40					
3	1A3	Engineering Mechanics	3	1		4	4	3	80	20	100	40					
4	1A4	Computer Programming	3			3	3	4	80	20	100	40					
Practicals																	
5	1A5	Workshop Practice				4	4						25	25	50	25	25
6	1A6	Engineering Physics Laboratory				2	2						25	25	50	25	25
7	1A7	Engineering Mechanics Laboratory				2	2						25	25	50	25	25
8	1A8	Computer Programming Laboratory				2	2						25	25	50	25	25
Total			13	2	10	25	20	400			200			600			

Three Week Induction Program to be undertaken as suggested by AICTE

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI FOUR YEAR DEGREE COURSE IN BACHELOR OF ENGINEERING BRANCH: COMPUTER SCIENCE & ENGINEERING - SEMESTER PATTERN (CREDIT GRADE SYSTEM) SEMESTER: FIRST/SECOND "GROUP B"																	
SrNo	Subject Code	Subject Name	Teaching Scheme				Examination Scheme										
			Hours per Week			Credit	Theory			Practical							
			Lecture	Tutorial	P/D		Total Hours/Week	Duration of paper (Hr)	Max Marks Theory Paper	Max Marks College Assessment	Total	Min Passing Marks	External	Internal	Total	Min Passing Marks	
Theory																	
1	1B1	Engineering Mathematics -II	3	1		4	4	3	80	20	100	40					
2	1B2	Engineering Chemistry	4			4	4	3	80	20	100	40					
3	1B3	Basic Electrical Engineering	3	1		4	4	3	80	20	100	40					
4	1B4	Engineering Graphics	3			3	3	3	80	20	100	40					
Practicals																	
5	1B5	English Communication Skill Lab				4	4						25	25	50	25	25
6	1B6	Engineering Chemistry Laboratory				2	2						25	25	50	25	25
7	1B7	Basic Electrical Engineering Lab				2	2						25	25	50	25	25
8	1B8	Engineering Graphics Laboratory				2	2						25	25	50	25	25
Total			13	2	10	25	20	400			200			600			

Three Week Induction Program to be undertaken as suggested by AICTE

SANT GADGE BABA AMRAVATI UNIVERSITY,
AMRAVATI
DEGREE COURSE IN BACHELOR OF ENGINEERING
BRANCH: COMPUTER SCIENCE & ENGINEERING - SEMESTER PATTERN
(CREDIT GRADE SYSTEM) SEMESTER: THIRD

Sl.No.	Subject Code	Subject Name	Teaching Scheme				Credit	Examination Scheme								
			Hours per Week			Total Hours/Week		Theory				Max Marks		Practical		
			Lecture	Tutorial	P/D			Duration of paper (Hr)	Max Marks Theory Paper	Max Marks College Assessment	Total	Min Passing Marks	External	Internal	Total	Min Passing Marks
Theory																
1	3KS01	Mathematics-III	3	1		4	4	3	80	20	100	40				
2	3KS02	Discrete Structure & Graph Theory	3			3	3	3	80	20	100	40				
3	3KS03	Object Oriented Programming	3			3	3	3	80	20	100	40				
4	3KS04	Data Structures	3			3	3	3	80	20	100	40				
5	3KS05	Analog & Digital Electronics	3			3	3	3	80	20	100	40				
6	4ES06	Environmental Studies*	2			2	0									
Practicals																
7	3KS06	Object Oriented Programming (Java) Lab				2	2						25	25	50	25
8	3KS07	Data Structures Lab				2	2						25	25	50	25
9	3KS08	Analog & Digital Electronics Lab				2	2						25	25	50	25
10	3KS09	CSKIII-Lab(I#)				2	2						25	25	50	25
Total			17	1	8	26	20			500					200	25
												Total			700	

Sl.No.	Subject Code	Subject Name	Teaching Scheme				Credit	Examination Scheme								
			Hours per Week			Total Hours/Week		Theory				Max Marks		Practical		
			Lecture	Tutorial	P/D			Duration of paper (Hr)	Max Marks Theory Paper	Max Marks College Assessment	Total	Min Passing Marks	External	Internal	Total	Min Passing Marks
Theory																
1	4KS01	Artificial Intelligence	3			3	3	3	80	20	100	40				
2	4KS02	Data Communication & Networking	3			3	3	3	80	20	100	40				
3	4KS03	Operating System	3			3	3	3	80	20	100	40				
4	4KS04	Microprocessor & Assembly Lang. Prog.	3			3	3	3	80	20	100	40				
5	4KS05	Theory of Computation	3	1		4	4	3	80	20	100	40				
6	4ES06	Environmental Studies*	2			2	1	3	80	20	100	40				
Practicals																
7	4KS06	Data Communication & Networking Lab				2	2						25	25	50	25
8	4KS07	Operating System Lab				2	2						25	25	50	25
9	4KS08	Microprocessor & Assembly Lang. Prog. Lab				2	2						25	25	50	25
10	4KS09	CSKIII-Lab(I#)				2	2						25	25	50	25
Total			17	1	8	26	22			600					200	25
												Total			800	

Sl.No.	Subject Code	Subject Name	Teaching Scheme				Credit	Examination Scheme								
			Hours/Week			Total Hours/Week		Theory				Max Marks		Practical		
			Lecture	Tutorial	P/D			Duration of paper (Hr)	Max Marks Theory Paper	Max Marks College Assessment	Total	Min Passing Marks	External	Internal	Total	Min Passing Marks
Theory																
1	5KS01	Database Management Systems	4			4	4	3	80	20	100	40				
2	5KS02	Compiler Design	3			3	3	3	80	20	100	40				
3	5KS03	Computer Architecture & Organization	3			3	3	3	80	20	100	40				
4	5KS04	Professional Elective-I (E)	3			3	3	3	80	20	100	40				
5	5KS05	Open Elective - (S)	3			3	3	3	80	20	100	40				
Practicals																
6	5KS06	Database Management Systems Lab (E)				2	2						25	25	50	25
7	5KS07	Compiler Design Lab				2	2						25	25	50	25
8	5KS08	Emerging Technology Lab (I)				2	2						25	25	50	25
9	5KS09	CSKIII Lab (I*)				2	2						25	25	50	25
Total			16	0	8	24	20			600					200	25
												Total			700	

Track	Professional Elective-I	Open Elective - I	DS Tools & Technology or Practical
AI	Cognitive Technologies	Fundamentals of Finance & Accounting	Track Emerging Technology Lab (I)
DS	Data Science and Statistics	Principles of Marketing for Engineering	IBM Watson, Microsoft Cognitive Toolkit, TensorFlow, Apache System ML, Caffe, OpenNI, TorNeuroph
IDT	Internet of Things	Entrepreneurship	DS K, Python, Cassandra, Apache Hadoop
Cy. Security	Introduction to Cyber Security		IDT Arduino Device Kit, Kaggle Assistant

SANT GADGE BABA AMRAVATI UNIVERSITY,
AMRAVATI (1ST YEAR DEGREE COURSE IN BACHELOR OF ENGINEERING)
BRANCH: COMPUTER SCIENCE & ENGINEERING - SEMESTER V (ATTN) (CREDIT GRAD SYSTEM)
SEMESTER: SIXTH

Sl.No	Subject Code	Subject Name	Teaching Scheme				Examination Scheme								
			Hours per Week			Credit	Theory				Practical			Min Passing Marks	
			Lecture	Tutorial	P/D		Total Hours/Week	Duration of paper (Hr)	Max Marks Theory Paper	Max Marks College Assessment	Total	Min Passing Marks	External		Internal
Theory															
1	6K501	Security Policy & Governance	3	-	-	3	3	80	20	100	40				
2	6K502	Design & Analysis of Algorithm	4	-	-	4	4	80	20	100	40				
3	6K503	Software Engineering	3	-	-	3	3	80	20	100	40				
4	6K504	Professional Elective - I (P)	3	-	-	3	3	80	20	100	40				
5	6K505	Open Elective - I (S)	3	-	-	3	3	80	20	100	40				
Practicals															
6	6K506	Design & Analysis of Algorithm Lab	-	-	2	2	1					25	25	50	25
7	6K507	Software Engineering Lab	-	-	2	2	1					25	25	50	25
8	6K508	Emerging Technology Lab (II)	-	-	2	2	1					25	25	50	25
9	6K509	Skill Lab (I)*	-	-	2	2	1					25	25	50	25
Total			16	8	14	20				500				300	700

Track	Professional Elective - I
AI	Natural Language Processing

Open Elective - II
Computational Biology

Track	Tools & Technology for Practicals
	Emerging Technology Lab (II)

Subject	TEACHING SCHEME					EXAMINATION SCHEME							
	HOURS / WEEK			CREDITS	THEORY					PRACTICAL		TOTAL	
	Lecture	Tutorial	P/D		Total Hours/Week	Duration of Paper (Hr)	Max Marks Theory Paper	Max Marks College Assessment	Total	Min. Passing Marks	Max. Marks		External
Digital Signal Processing	4	-	-	4	4	3	80	20	100	40	-	-	-
Computer Networks	4	-	-	4	4	3	80	20	100	40	-	-	-
Design & Analysis of Algorithms	4	-	-	4	4	3	80	20	100	40	-	-	-
Object Oriented Analysis & Design	4	-	-	4	4	3	80	20	100	40	-	-	-
Professional Elective I*	4	-	-	4	4	3	80	20	100	40	-	-	-
RAWING / DESIGN													
Digital Signal Processing Lab	-	-	2	2	1	-	-	-	-	-	25	25	50
Design & Analysis of Algorithms Lab	-	-	2	2	1	-	-	-	-	-	25	25	50
Object Oriented Analysis & Design Lab	-	-	2	2	1	-	-	-	-	-	25	25	50
Project & Seminar	-	-	2	2	4	-	-	-	-	-	-	50	50
TOTAL	20	-	8	28	27				500				200
												TOTAL	70

lective I* (i) Computer Graphics (ii) Multimedia Technologies (iii) Web Engineering (iv) Human Computer Interface

Semester EIGHTH

Artificial Intelligence	3	-	-	3	3	3	80	20	100	40	-	-	-
Embedded Systems	4	-	-	4	4	3	80	20	100	40	-	-	-
Software Engineering	3	-	-	3	3	3	80	20	100	40	-	-	-
Professional Elective II*	3	-	-	3	3	3	80	20	100	40	-	-	-
RAWING / DESIGN													
Artificial Intelligence Lab	-	-	2	2	1	-	-	-	-	-	25	25	50
Embedded Systems Lab	-	-	2	2	1	-	-	-	-	-	25	25	50
Project & Seminar	-	-	6	6	12	-	-	-	-	-	75	75	150
TOTAL	13	-	10	23	27				400				250
												TOTAL	65

SESSION 2021-22 (ODD SEM)

Academic timetable with the name of faculty members handling the course

**TIME TABLE
SESSION 2021-22 (ODD SEM)**

Class: 2nd Year(3rdEM)

w.e.f.:11/08/2021

Day/Time	1	2	BREAK	3	4	5
	11.15-12.15	12.15-1.15	1.15-1.30	1.30-2.30	2.30-3.30	3.30-4.30
Monday	OOP (SYA)	DS (PBN)		ADE (MAJ)	DS> (PBP)	
Tuesday	M-III (SBP)	DS (PBN)		DS> (PBP)	C-SKILL LAB I-STK	
Wednesday	ENV (RPG)	M-III (SBP)		OOP (SYA)	ADE-MAJ	
Thursday	DS> (PBP)			ADE (MAJ)	DS-PBN	
Friday	DS (PBN)	M-III (SBP)		ADE (MAJ)		
Time	9.15-10.15	10.15-11.15			11.30-12.30	12.30-1.30
Saturday	ENV (RPG)	OOP (SYA)		OOP(SYA)		

Class: 3rd Year(5thSEM)

w.e.f.:11/08/2021

Day/Time	1	2	BREAK	3	4	5
	11.15-12.15	12.15-1.15	1.15-1.30	1.30-2.30	2.30-3.30	3.30-4.30
Monday	CAO (STK)	CD (SDC)			DBMS-SYA	
Tuesday	DBMS (SYA)	CD (SDC)		S&T (open elec) (NAC)	CD-SDC	
Wednesday		CAO (STK)		S&T (open elec) (NAC)	Data sci. (prof elec) (PHP)	
Thursday		DBMS (SYA)		Data sci. (prof elec) (PHP)	EMERG TECH LAB-I-	
Friday	CAO (STK)	DBMS (SYA)		Data sci. (prof elec) (PHP)	CSKILL-III-	
Time	9.00-10.00	10.00-11.00			11.15-12.15	12.15-1.15
Saturday	Data sci. (PHP)	CD (SDC)		S&T (open elec) (NAC)		

TIME TABLE
SESSION 2021-22 (ODD SEM)

Class: Final Year(7th SEM) w.e.f.:11/08/2021

Day/Time	1	2	BREAK	3	4	5
	11.15-12.15	12.15-1.15	1.15-1.30	1.30-2.30	2.30-3.30	3.30-4.30
Monday	DSP (ANG)	OOAD (PHP)		MT (STK)	OOAD-PHP	
Tuesday	DSP (ANG)	MT (STK)		CN (SSA)	DSP-ANG	
Wednesday	OOAD (PHP)	DAA (PBN)		CN (SSA)	DAA-PBN	
Thursday	OOAD (PHP)	DAA (PBN)		MT (STK)	P&S	
Friday	DSP (ANG)	CN (SSA)		DAA (PBN)		
Time	9.00-10.00	10.00-11.00		11.15-12.15	12.15-1.15	
Saturday						

SESSION 2021-22 (ODD SEM)

Class: Final Year(7th SEM) w.e.f.:11/08/2021

Day/Time	1	2	BREAK	3	4	5
	11.15-12.15	12.15-1.15	1.15-1.30	1.30-2.30	2.30-3.30	3.30-4.30
Monday	DSP (ANG)	OOAD (PHP)		MT (STK)		
Tuesday	DSP (ANG)	MT (STK)			DSP-ANG	
Wednesday	OOAD (PHP)	RTES (PBP)		WT (SDC)		
Thursday	OOAD (PHP)	WT (SDC)		MT (STK)	RTES (PBP)	
Friday	DSP (ANG)	WT (SDC)		RTES (PBP)		
Time	9.00-10.00	10.00-11.00		11.15-12.15	12.15-1.15	
Saturday						

TIME TABLE - SESSION 2021-22 (EVEN SEM)

Class: 2nd Year(4thSEM)

w.e.f.01/02/2022

Day/Time	1	2	Break	3	4	Break	5	6
	11.00-12.00	12.00-1.00	1.00-1.15	1.15-2.15	2.15-3.15	3.15-3.45	3.45-4.45	4.45-5.45
Monday	2R1-DCN-(SDC)-RR Lab 2R2-OS-STK-MM Lab 2R3-μP&ALP-CCC-Linux Lab			OS (STK)	μP&ALP (CCC)		AI (BBB)	
Tuesday	OS (STK)	AI (BBB)		DCN (SDC)			2R1-OS-STK-MM Lab 2R2-DCN-SDC-RRLab	
Wednesday	ES (RPG)	DCN (SDC)		OS (STK)	TOC (PBN)		μ&ALP (CCC)	
Thursday	2R1-C-Skill-SDC-AS-400 Lab 2R2 -μP&ALP-CCC-Linux Lab 2R3-OS-STK-MM Lab			ES (RPG)	TOC (PBN)		μ&ALP (CCC)	
Friday	TOC (PBN)	DCN (SDC)		2R1-μP&ALP-CCC-Linux Lab 2R3-DCN-SDC-RRLab			AI (BBB)	
Day/Time	1	2	Break	3	4	5		
	8.00-9.00	9.00-10.00	10.00-10.30	10.30-11.30	11.30-12.30	12.30-1.30		
Saturday	TOC (PBN)	ES (RPG)		2R3-C-Skill-BBB-AS-400 Lab 2R2-C-Skill-BBB-AS-400 Lab				

TIME TABLE - SESSION 2021-22 (EVEN SEM)

Class: 3rd Year(6thSEM)

w.e.f.01/02/2022

Day/Time	1	2	Break	3	4	Break	5	6
	11.00-12.00	12.00-1.00	1.00-1.15	1.15-2.15	2.15-3.15	3.15-3.45	3.45-4.45	4.45-5.45
Monday	DAA (PBN)	SE (SYA)		NCES (VVD)	BIGDATA (PHP)		3RA1-EMERG-(CCC)-LINUX Lab 3RA2-DAA-(PBN)-AS400 Lab 3RA3-CSKILL-(SDC)-RR Lab	
Tuesday	3RA1-SE-(SYA)-MM Lab 3RA2-CSKILL-(CCC)-LINUX Lab 3RA3-DAA-(PBN)-AS400 Lab			NCES (VVD)	DAA (PBN)			
Wednesday		BIGDATA (PHP)		NCES (VVD)	SPG (BBB)		3RA1-DAA-(PBN)-AS400 Lab 3R2-EMERG-(PHP)-LINUX Lab 3RA3-SE-(BBB)-MM Lab	
Thursday	SPG (BBB)	DAA (PBN)		SE (SYA)	BIGDATA (PHP)			
Friday	SPG (BBB)	SE (SYA)		DAA (PBN)			3RA1-CSKILL-(SDC)-RR Lab 3R3-EMERG-(PHP)-LINUX Lab 3RA2-SE-(SYA)-MM Lab	
Day/Time	1	2	Break	3	4	5		

	8.00-9.00	9.00-10.00	10.00-10.30	10.30-11.30	11.30-12.30	12.30-1.30		
Saturday								

Class: 4th Year(8thSEM)

Babasaheb Naik College of Engineering, Pusad

w.e.f.01/02/2022

Day/Time	1	2	Break	3	4	Break	5	6
	11.00-12.00	12.00-1.00	1.00-1.15	1.15-2.15	2.15-3.15	3.15-3.45	3.45-4.45	4.45-5.45
Monday	ES (Dr VA)	NS (SSA)		<-- P & S -->				
Tuesday	ES (Dr VA)	NS (SSA)		4RAB1-ES-(Dr.VA)-MM Lab 4RAB2-AI-(PHP)- LINUX Lab			AI (PHP)	
Wednesday	NS (SSA)	ES (Dr VA)		SE (SYA)				
Thursday		ES (Dr VA)		<-- P & S -->			4RAB2-ES-(Dr.VA)-MM Lab 4RAB3-AI-(PHP)- LINUX Lab	
Friday	4RAB3-ES-(Dr.VA)-MM Lab 4RAB1-AI-(CCC)- LINUX Lab			SE (SYA)	AI (PHP)			
Day/Time	1	2	Break	3	4	5		
	8.00-9.00	9.00-10.00	10.00-10.30	10.30-11.30	11.30-12.30	12.30-1.30		
Saturday				AI (PHP)	SE (SYA)			

Class: 4th Year(8thSEM)-IT

w.e.f.01/02/2022

Day/Time	1	2	Break	3	4	Break	5	6
	11.00-12.00	12.00-1.00	1.00-1.15	1.15-2.15	2.15-3.15	3.15-3.45	3.45-4.45	4.45-5.45
Monday	DWC (KSD) 5301	NAS (SSA)- 5201		COMP LAB 5-RR LAB-BBB				FL&NN (RJB) 5301
Tuesday		NAS (SSA)- 5201		DWC (KSD) 5301				
Wednesday	NAS (SSA)- 5201			SE (SYA)- 5201			FL&NN (ANG) 5301	DWC (KSD) 5301
Thursday	SE (SYA)-RR LAB			<-- P & S -->			FL&NN (ANG) 5301	
Friday				SE (SYA)- 5201			NAS (SSA)-AS400 LAB	
Day/Time	1	2	Break	3	4	5		
	8.00-9.00	9.00-10.00	10.00-10.30	10.30-11.30	11.30-12.30	12.30-1.30		
Saturday					SE (SYA)- 5201			

Department of CSE & IT
Session 2021-22 odd Load Distribution Staff wise

S. N.	Name Of Staff	Subject/Sem/Branch	Th	Pr.	Tu	Total	Remark
1	Dr.S.Y.Amdani	DBMS(3RA)	4	4		13	
		P&S		2			
		OOP(2R)	3				
2	Prof.S.T.Khandare	CAO(3RA)	3			15	
		MT (4RAB)-elective	4				
		CSKILL-I		6			
		P&S		2			
3	Prof. S. S.Asole	CN(4RAB)	4			12	
		OOP(2R)		6			
		P&S		2			
4	Prof. P.H.Pawar	OOAD(4RAB)	4	6		17	
		Prof. elect(3RA)	3				
		DBMS(3RA)		2			
		P&S		2			
5	Prof.MsP.B.Niranjane	DS(2R)	3	2		17	
		DAA(4RAB)	4	6			
		P&S		2			
6	Prof. P.B.Pawar	DS>(2RA)	3	6		17	
		RTES(4N)	4				
		RTES(4N)		2			
		P&S		2			
7	Prof. S.D.Chavhan	Comp. design(3RA)	3	6		17	
		WT(4N)	4				
		WT(4N)		2			
		P&S		2			
8	Prof.Borgade sir	M3(2R)	3		1	4	Math Dept
9	Prof.R.P.Godbole	Env.(2RA)	2			5	
	Prof.N.A.Charniya	open elec(3RA)	3				
10	Prof. M.A.Jiwani	ADE(2R)	3	6		21	EXTC Dept
	Prof.A.N.Gaikwad	DSP(4N)		2			
		DSP(4RAB)	4	6			
9	Prof.P.S.Chaudhary	EMERG TECH(3R)		6		22	
		CSKILL-III		6			
		DS(2R)		4			

Department of CSE & IT
Session 2021-22 EVEN Load Distribution Staffwise

S. N.	Name Of Staff	Subject/Sem/Branch	Th	Pr	Total	Remark
1	Dr.S.Y.Amdani	SE(3R)	3	6	14	
		SE(4R/4N)	3			
		P&S		2		
2	Prof.S.T.Khandare	CA&OS(2AD)	3	2	16	
		OS(2R)	3	6		
		P&S		2		
3	Prof. S. S.Asole	NS(4R)	3		12	
		NAS(4N)	3	2		
		SD LAB VI		2		
		P&S		2		
4	Prof. P.H.Pawar	AI(4RAB)	3	2	16	
		PE-II(3R)-big data	3			
		EMERG TECH(3R)		6		
		P&S		2		
5	Prof.P.B.Niranjane	TOC(2R/2AD)	4		16	
		DAA(3R)	4	6		
		P&S		2		
6	Prof. SDC	DCN(2R)	3	6	23	
		C-SKILL-IV(3R)		6		
		C-SKILL-II(2R)		6		
		P&S		2		
7	Prof.P.B.Pawar	CP(1st year)	4	6	12	
		P&S		2		
8	Prof. S.V.T	SPG(3R)	3		16	
		AI(4RAB)		4		
		AI(2R/RAD)	3			
9	Prof. CCC	OE-II(CYBER SEC)	3		9	
		µp&ALP(2R)	3	6		
10	Prof.R.P.Godabole	ENV(2R)	2		2	Humanities
11	Dr. V.Ahemad ,Prof	Embd Sys(4R) Prof V.Ahemad	4	6	16	EXTC Dept
	K.S.Dongare ,	DWC(4N) Prof K.S.Dongare	3			
	Dr. A.N. Gaikwad	FLNN(4N) Prof A.N. Gaikwad	3			

Total **152**

Internal Continuous Evaluation System:

The institution follows the academic calendar which includes details like commencement and end of session, expected schedule of University External Examinations, dates of internal tests, display of attendance and internal marks, co-curricular and extracurricular activities, etc.

The institute has developed a systematic approach of internal assessment. For theory subjects, three internal tests are conducted at dates specified in the academic calendar. For theory, according to university scheme 20 internal marks are assigned to each subject. Out of which 15 marks are for test and 05 marks are for attendance. Three internal tests are conducted per subject for 15 marks. Total Marks obtained per subject is considered as best of two tests average.

Additional test is also conducted if performance of students is not to the mark or student is on leave at the time of test due to curricular / extracurricular / co curricular activities like NSS participation, Paper presentation contest at other institutes, in plant training, etc. and average of performance of best two tests is taken for internal marks calculations. Additionally, home assignments are given to the students for improvement.

Attendance of the student is also taken into consideration for calculation of internal assessment marks. The results of tests are displayed on students' notice board within 10 days of conduction of test and answer books of tests are circulated to students in class-room by the faculty teaching that course along with discussion of correct answers. There is well defined mechanism to address the students' grievances, if any.

For practical, weightage is given to timely performance and submission of practical work. An experiment conducted by the student is written and submitted for evaluation in the next practical slot. The faculty member checks the journal and asks few questions to judge the student's knowledge of concepts and assigns grade/marks for that experiment. For practical subject , 25 internal marks are assigned. The distribution of mark per practical perform like this:- on time performance –two marks, on time submission two marks and viva-voice- one marks. If eight experiments are performed, then marks obtained outof 40 are converted into 25.

Review of the progress in the students' project work is taken regularly. Students' seminars and projects are evaluated by a panel of three experts constituted by the Head of the department.

Students assessment of Faculty

BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD																									
QUESTIONNAIRE																									
Teacher's Evaluation By Students of UG Courses																									
Department of					Session - June- 20					TO November- 2020					Class - ..					Date:..					
Dear student, Your considered feedback over the performance of teacher is required on the basis of questions given below. Please provide your assesment by putting an appropriate tick mark.																									
Name of Teacher		subject1					subject2					subject 3					subject 4								
Name of Subject		4	3	2	1	0	Total	4	3	2	1	0	Total	4	3	2	1	0	Total	4	3	2	1	0	Total
1	How punctual is the teacher in engaging the classes ?																								
2	How prepared is the teacher in every class ?																								
3	How effective is the teaching presentation of the teacher ?																								
4	Are the concepts & principles understandable ?																								
5	To what extent the teacher is encouraging & motivating ?																								
6	How available is the teacher for help & guidance ?																								
7	How satisfied are you the way the courses are covered ?																								
8	How effective is the teacher in preparing for examination ?																								
9	Are the tests discussed in class ?																								
10	Is the teacher audible ?																								

Q. Post Graduate courses

i. Civil Engg.

a. Title of course: Structural Engg.

b. Scheme

TWO YEAR POST GRADUATE DEGREE COURSE IN MASTER OF ENGINEERING (FULLTIME)
CIVIL ENGINEERING (STRUCTURAL ENGINEERING)
CREDIT GRADE SYSTEM

S r N o.	Name Of the subject		THEORY							PRACTICAL						
			Hours/Week			Credits	Max. Marks Theory Papers	Max. Marks College assessment	Total	Min. Pass Marks		Max Marks	Max. Marks College assessment	Total	Min Pass Marks	
			L	T	P					Theory Papers	College assessment					
1	1SFSE1	Introduction to Earthquake And Retrofitting of structures	4	-	-	3	4	80	20	100	40	10	-	-	-	-
2	1SFSE2	Theory of Elasticity And Elastic Stability	4	-	-	3	4	80	20	100	40	10	-	-	-	-
3	1SFSE3	Matrix Methods of Structural Analysis	4	-	-	3	4	80	20	100	40	10	-	-	-	-
4	1SFSE4	Structural Dynamics	4	-	-	3	4	80	20	100	40	10	-	-	-	-
5	1SFSE5	Earthquake Resistant Design of Reinforced Concrete Structures	4	-	-	4	4	80	20	100	40	10	-	-	-	-
6	1SFSE6	Earthquake Resistant Design of Reinforced Concrete Structures - Lab	-	-	2	-	1	-	-	-	-	-	25	25	50	25
7	1SFSE7	Computer Aided Analysis & Design of Structures - Lab	-	-	2	-	2	-	-	-	-	-	25	25	50	25
TOTAL			20	-	4		23			500					100	

SECOND SEMESTER

TOTAL : 600

S r N o.	Name Of the subject		THEORY							PRACTICAL						
			Hours/Week			Credits	Max. Marks Theory Papers	Max. Marks College assessment	Total	Min. Pass Marks		Max Marks	Max. Marks College assessment	Total	Min Pass Marks	
			L	T	P					Theory Papers	College assessment					
1	2SFSE1	Finite Element Method	4	-	-	3	4	80	20	100	40	10	-	-	-	-
2	2SFSE2	Advanced Design of Steel Structures	4	-	-	4	4	80	20	100	40	10	-	-	-	-
3	2SFSE3	Theory of Plates and Shells	4	-	-	3	4	80	20	100	40	10	-	-	-	-
4	2SFSE4	Design of Prestressed Concrete structures	4	-	-	4	4	80	20	100	40	10	-	-	-	-
5	2SFSE5	Elective*	4	-	-	4	4	80	20	100	40	10	-	-	-	-
6	2SFSE6	Adv. Design of Steel Structures - Lab	-	-	2	-	1	-	-	-	-	-	25	25	50	25
7	2SFSE7	Design of Prestressed Concrete Structures - Lab	-	-	2	-	1	-	-	-	-	-	25	25	50	25
TOTAL			20	-	4		22			500					100	

TOTAL : 600

Elective*- (1) Substructures and Foundation Design (2) Earthquake Resistant Design of Bridges and Dams (3) Experimental Stress Analysis (4) Design of Environmental Structures

9

Third Semester										
Sr. No.	Subject Code	Subject	Lecture	Tutorial	Practical	Total	CREDITS	INTERNAL MARKS	TOTAL	MIN. PASSING MARKS
01	3SFSE1	SEMINAR AND DISSERTATION	-	-	6	6	15	100	100	50
TOTAL			-	-	6	6	15		100	
TOTAL										100

Fourth Semester											
Sr. No.	Subject Code	Subject	Lecture	Tutorial	Practical	Total	CREDITS	EXTERNAL MARKS	INTERNAL MARKS	TOTAL	MIN. PASSING MARKS
01	4SFSE1	SEMINAR AND DISSERTATION	-	-	12	12	30	200	100	300	150
TOTAL			-	-	12	12	30			300	
TOTAL										300	
GRAND TOTAL										1600	

Semester III

Seminar : Seminar to be delivered on work completed during third semester. 50 internal marks out of 100 will be assessed by a Committee consisting of Head of Department, dissertation guide and subject expert appointed by Principal of the College / Head of University Department. Remaining 50 internal marks will be given by guide based on performance.
Dissertation : Title of the dissertation work to be submitted to the University on or before 15th Sept. (for regular examination) and 15th of February (for supplementary exam.).

Semester IV

Seminar : to be delivered on the complete work of dissertation. 50 internal marks out of 100 will be assessed by a Committee consisting of Head of Department, dissertation guide and subject expert appointed by Principal of the College / Head of University Department. Remaining 50 internal marks will be given by guide based on performance.
Note : Thesis of dissertation work must be submitted to the University on or before 30th April (for regular exam.) and 30th November (for supplementary exam.). Thesis of Dissertation work be submitted with late fee to the University upto 31 May (for regular exam.) and 31st December (for supplementary exam.). The late fee shall be charged as in case of Examination form.

- Notes** : 1. Student should fill the examination form in the beginning of III semester jointly for III & IV semester.
2. Single marksheet for III & IV semester together will be given to the student.

a. Laboratory Facilities

S.No .	Name of the Laboratory	Major Equipment
01	Concrete Technology	Automated curing tank, Concrete Permeability apparatus, Air Compressor for Concrete Permeability apparatus
02	Structural Engineering	Begg's Deformator, Research Polariscope, Universal Frame, Strain gauge, Software of STADD III 2 master disk + 8 other disk - Loading Frame 100 tons capacity, Deflection of Trusses Apparatus, Begg's Diformeter Set

b. Special Purpose

Softwares , all design tools (For Post Graduate Course):

S.No .	Name of the Laboratory	Softwares/Design Tools
01	Computer Lab.	<ul style="list-style-type: none">• STADD III/ISDS Module Ver 11.1• CADian Professional 2008 site license• Constructor 2007• Estimator 2007• ETABS (5 nos.)• ETABS NL_V9.5 (10 Users)• STAAD.Pro

ii. Mechanical Engg.

a. Title of Course:CAD/CAM

b. Scheme

TWOYEARPOST GRADUATEDEGREE COURSE IN MASTER OF ENGINEERING(FULL TIME)
MECHANICAL ENGINEERING (CAD/CAM)
CREDIT GRADE SYSTEM
FIRST SEMESTER

Sr. No.	Subject Code	Subject	Teaching Scheme					Examination Scheme									
			Hours/Week					Theory				Practical					
			Lecture	Tutorial	P/D	Total Hours/Week	Credits	Theory Duration of Paper (Hr)	Max. Marks Theory Paper	Max. Marks College Assessment	Total	Min. Passing Marks Theory Paper	Min. Passing Marks Subject	Max. Marks External	Max. Marks Internal	Total	Min. Passing Marks
1	1MCC1	Computer Aided Design	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
2	1MCC2	Computer Aided Manufacturing	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
3	1MCC3	Computer Assisted Production Management	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
4	1MCC4	Mechatronics	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
5	1MCC5	Elective-I	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
6	1MCC6	Computer Aided Design-LAB.	0	0	2	2	1	-	-	-	-	-	-	25	25	50	25
7	1MCC7	Computer Aided Manufacturing-LAB.	0	0	2	2	1	-	-	-	-	-	-	25	25	50	25
			20	0	4	24	22	-	-	-	500				100		
													TOTAL			600	

Elective - I : 1) Concurrent Engineering 2) Engineering Experimental Techniques 3) Management Information Systems 4) Optimization Techniques 5) Design of Manufacturing Assembly and Environment

SECOND SEMESTER

Sr. No.	Subject Code	Subject	Teaching Scheme					Examination Scheme									
			Hours/Week					Theory				Practical					
			Lecture	Tutorial	P/O	Total Hours/Week	Credits	Theory Duration of Paper (Hr)	Max. Marks Theory Paper	Max. Marks College Assessment	Total	Min. Passing Marks Theory Paper	Min. Passing Marks Subject	Max. Marks External	Max. Marks Internal	Total	Min. Passing Marks
1	2MCC1	Finite Element Analysis	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
2	2MCC2	Simulation Theory & Applications	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
3	2MCC3	Robotics & Robot Applications	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
4	2MCC4	Industrial Product Design	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
5	2MCC5	Elective-II	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
6	2MCC6	Finite Element Analysis-LAB.	0	0	2	2	1	-	-	-	-	-	-	25	25	50	25
7	2MCC7	Simulation Theory & Applications V-LAB.	0	0	2	2	1	-	-	-	-	-	-	25	25	50	25
			20	0	4	24	22	-	-	-	500				100		
													TOTAL			600	

Elective-II : 1) Flexible Manufacturing System 2) Virtual Manufacturing 3) Industrial Automation 4) Rapid Prototyping and Tooling

THIRD SEMESTER

Sr.	Subject	Subject	Lecture	Tutorial	P/D	Total	Credits	Internal Marks	Total	Min. Passing Marks
1	3MCCS	SEMINAR AND DISSERTATION	-	-	6	6	15	100	100	50
			-	-	6	6	15		100	
									TOTAL	100

FOURTH SEMESTER

Sr.	Subject	Subject	Lecture	Tutorial	P/D	Total	Credits	External Marks	Internal Marks	Total
1	4MCCP	SEMINAR AND DISSERTATION	-	-	12	12	30	200	100	300
TOTAL			-	-	12	12	30			300
									GRAND TOTAL	1600

Semester III

Seminar : Seminar to be delivered on work completed during third semester. 50 internal marks out of 100 will be assessed by a Committee consisting of Head of Department, dissertation guide and subject expert appointed by Principal of the College / Head of University Department. Remaining 50 internal marks will be given by guide based on performance.

Dissertation : Title of the dissertation work to be submitted to the University on or before 15th Sept. (for regular examination) and 15th of February (for supplementary exam.).

Semester IV

Seminar : to be delivered on the complete work of dissertation. 50 internal marks out of 100 will be assessed by a Committee consisting of Head of Department, dissertation guide and subject expert appointed by Principal of the College / Head of University Department. Remaining 50 internal marks will be given by guide based on performance.

Note : Thesis of dissertation work must be submitted to the University on or before 30th April (for regular exam.) and 30th November (for supplementary exam.). Thesis of Dissertation work be submitted with late fee to the University upto 31 May (for regular exam.) and 31st December (for supplementary exam.). The late fee shall be charged as in case of Examination form.

- Notes :**
1. Student should fill the examination form in the beginning of 3rd semester jointly for 3rd & 4th semester.
 2. Single marksheet for 3rd & 4th semester together will be given to the student.

c. Laboratory Facilities Exclusive to Post Graduate Course

S.No	Facility	Name of Lab.
01	ANSYS, MS Nastran (CAE Software)	CAD/FMS Lab
02	CATIA , Pro-E (CAD Software)	

d. Software, all design tools(PG) students :

- ANSYS 11
- Pro/Engineer Wildfire 3.0
- CATIA V5 R8,
- MSC Nastran

iii. Electronics and Telecommunication Engg.

a. Title of course: Digital Electronics

b. Scheme:

Digital Electronics

Appendix - A

First Semester																	
Sl. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME									
			HOURS / WEEK				CREDITS	THEORY				PRACTICAL					
			Lecture	Tutorial	Practical	Total Hours		Duration of Paper (Hr.)	Max. Marks Theory Paper	Max. Marks College Assessment	Total	Min. Passing Marks		Max. Marks		Total	Min. Passing Marks
01	1UMEF1	DIGITAL INSTRUMENTATION	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
02	1UMEF2	ADVANCED DIGITAL SIGNAL PROCESSING	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
03	1UMEF3	ELECTIVE#	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
04	1UMEF4	DIGITAL COMMUNICATION TECHNIQUES	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
05	1UMEF5	EMBEDDED SYSTEM DESIGN	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
06	1UMEF6	DIGITAL COMMUNICATION TECHNIQUES-LAB.	0	0	2	2	1	-	-	-	-	-	-	25	25	50	25
07	1UMEF7	EMBEDDED SYSTEM DESIGN-LAB.	0	0	2	2	1	-	-	-	-	-	-	25	25	50	25
TOTAL			20	0	4	24	22	500				100				600	

Elective - I: 1) Modern Electronic Design Techniques 2) RF System Design 3) Computer Communication Network

Second Semester																	
Sl. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME									
			HOURS / WEEK				CREDITS	THEORY				PRACTICAL					
			Lecture	Tutorial	Practical	Total Hours		Duration of Paper (Hr.)	Max. Marks Theory Paper	Max. Marks College Assessment	Total	Min. Passing Marks		Max. Marks		Total	Min. Passing Marks
01	2UMEF1	DIGITAL IMAGE PROCESSING	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
02	2UMEF2	CMOS VLSI DESIGN	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
03	2UMEF3	PARALLEL COMPUTING	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
04	2UMEF4	ARTIFICIAL INTELLIGENT SYSTEMS	4	0	0	4	4	1	80	20	100	40	50	-	-	-	-
05	2UMEF5	ELECTIVE#	4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
06	2UMEF6	DIGITAL IMAGE PROCESSING-LAB.	0	0	2	2	1	-	-	-	-	-	-	25	25	50	25
07	2UMEF7	CMOS VLSI DESIGN-LAB.	0	0	2	2	1	-	-	-	-	-	-	25	25	50	25
TOTAL			20	0	4	24	22	500				100				600	

Elective - II: 1) Bio-Informatics 2) Micro Electro Mechanical System 3) High Speed Digital System Design

Appendix - B

Third Semester										
Sr. No.	Subject Code	Subject	Lecture	Tutorial	Practical	Total	CREDITS	INTERNAL MARKS	TOTAL	MIN. PASSING MARKS
01	JUNEPT	SEMINAR AND DISSERTATION	-	-	6	6	15	100	100	50
TOTAL			-	-	6	6	15		100	
TOTAL										150

Fourth Semester											
Sr. No.	Subject Code	Subject	Lecture	Tutorial	Practical	Total	CREDITS	EXTERNAL MARKS	INTERNAL MARKS	TOTAL	MIN. PASSING MARKS
01	JUNEPT	SEMINAR AND DISSERTATION	-	-	12	12	30	200	100	300	150
TOTAL			-	-	12	12	30			300	
TOTAL										300	
GRAND TOTAL 1600											

c. Laboratory Facilities exclusive to the Post Graduate Course

Name of Lab	Major Equipment	Cost
M.E./ Research Lab.	Computer, Hp Elite 7100 desktop (20 Nos.) , Dell Vastro 1015 (2 Nos.), MICROWIND 3.5 package (20 Users), C compiler with IDE & Debugger for ARM family of micro-controller (SCARM) (5 Users) HP ScanJet,G4050, VLSI Based Advanced Digital Communication Training System, SM 2148 Micro Module + DevPro (5 Nos.) , ARM7 LPC2148 Development Board EDAS (5 Nos.)	Rs. 13.47 Lacs
UHF Lab	Vector Network Analyzer	Rs.20.94 Lacs

d. Special Purpose

Software , all design tools in case (for PG Course)

Name of Lab	Name of Software
M.E./ Research Lab.	MICROWIND 3.5 package (20 Users), MATLAB 2008b, Lab View R2009 (50Users), C compiler with IDE & Debugger for ARM family of micro-controller (SCARM) (5 Users)

iv. Computer Science and Engg.
a. Title of Course: Computer Science and Engg
b. scheme

PG scheme and syllabus

**TWOYEARPOSTGRADUATEDGREECOURSEINMASTEROFENGINEERING(FULL-TIME)COMPUTERSCIENCE&ENGINEERING
 CREDITGRADE SYSTEM
 FIRSTSEMESTER**

Sr. Subject No. Code	Subject	Teaching Scheme					Examination Scheme									
		Hours/Week				Credits	Theory			Practical		Total	Min. Passing Marks			
		Lecture	Tutorial	P/D	Total Hours/Week		Theory Duration of Paper (Hr.)	Max. Marks	Max. Marks College Assessment	Min. Passing Marks Theory Paper	Max. Marks Subject			External	Internal	
11RMEF1/AdvancedComputerArchitecture1RME1		4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
21RMEF2/Algorithmics1RME2		4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
31RMEF3/OperatingSystemDesign1RME3		4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
41RMEF4/ExpertSystemDesign3RME1		4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
51RMEF5/DatabaseProcessing3RME2		4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
61RMEF6/ExpertSystemDesign-LAB.3RME3		0	0	2	2	1	-	-	-	-	-	-	25	25	50	25
71RMEF7/DatabaseProcessing-LAB.3RME4		0	0	2	2	1	-	-	-	-	-	-	25	25	50	25
		20	0	4	24	22				500					100	
TOTAL													600			

SECONDSEMESTER

Sr. Subject No. Code	Subject	Teaching Scheme					Examination Scheme									
		Hours/Week				Credits	Theory			Practical		Total	Min. Passing Marks			
		Lecture	Tutorial	P/D	Total Hours/Week		Theory Duration of Paper (Hr.)	Max. Marks	Max. Marks College Assessment	Min. Passing Marks Theory Paper	Max. Marks Subject			External	Internal	
12RMEF1/ComputerCommunicationNetworks2RME1		4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
22RMEF2/AdvancedCompilingTechniques2RME2		4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
32RMEF3/RealTimeSystems4RME1		4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
42RMEF4/Elective4RME2		4	0	0	4	4	3	80	20	100	40	50	-	-	-	-
52RMEF5/TechnicalPaperWriting4RME3		0	1	0	1	1	-	-	-	-	-	-	50	50	25	
62RMEF6/Seminar2RME3		0	1	0	1	1	-	-	-	-	-	-	50	50	25	
72RMEF7/AdvancedCompilingTechniques-LAB.2RME4		0	0	2	2	1	-	-	-	-	-	-	25	25	50	25
82RMEF8/RealTimeSystems-LAB.4RME4		0	0	2	2	1	-	-	-	-	-	-	25	25	50	25
		16	2	4	22	20				400					200	
TOTAL													600			

Subject	Subject	Lecture	Tutorial	P/D	Total	Credits	InternalMarks	Total	Min. PassingMarks
3RME Fl	SEMINARANDDISSERTAT ION	-	-	6	6	15	100	100	50
		-	-	6	6	15	100		
TOTAL									100

FOURTH SEMESTER

Subject	Subject	Lecture	Tutorial	P/D	Total	Credits	ExternalMarks	InternalMarks	Total
4RME Fl	SEMINARANDDISSERTAT ION	-	-	12	12	30	200	100	300
TOTAL									300

a. Laboratory Facilities exclusive to the Post Graduate Course

CSE	R&D LAB	HP Elite 7100 Desk top PC Intel (R) Core I3 330/350m, 2.4 GHZ, 4 GB DDR2, 320 GB HDD DVD R/W, 18.5" TFT Monitor, Keyboard Mouse with Windows 7 Statter (21 Nos), Epson make LCD Projector Model EB-59 (with 3 ft Ceilled Stand, VGA Cable 10 Mtr. Power Cable 10 Mtr. , 1.5 Ton Spllit Air Conditioner with digital remote power rotary compressor make ONIDA (3A) , Un-interruptable Power Supply UPS 5000 (APC) 5 KVA smart	707288.00
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b. Special Purpose

Software	Quantity	Cost
Oracle 8i under Windpws NT Work Group 05 User	1	37500.00
Borland Turbo C++ Accelerate Single	15	48000.00
Microsoft Visual C++ ver 5.0 P.E. with licence and warranty	1	3100.00
Macromedia Web Design Studio MX 1.1 AE Single user	1	12000.00
J Builder Developer Ed. AE (Ind : JDK 1.3)	1	136000.00
IBM Rational suite Enterprise with 15 floating licences	1	306720.00
Net Sim Academic Version 4.0 Network Simullator Software	1	169725.00



Placement Facilities	<ol style="list-style-type: none"> 1. Conference hall 2. Interview hall 3. Lab facility for conducting online exam 4. General hall for group discussion etc. 5. Transportation & Hospitality facility for recruiting HR team
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Branch	Civil Engineering
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Campus Placement		2018-19	2019-20	2020-21
1	Number of placed students	36	NIL	02
2	Minimum salary	Rs. 1.20/- lpa	NIL	Rs. 1.98/- lpa
3	Maximum salary	Rs. 3.42/- lpa	NIL	Rs. 10.00/- lpa
4	Average salary	Rs. 2.28/- lpa	NIL	Rs. 5.99 /- lpa

Branch	Mechanical Engineering
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Campus Placement		2018-19	2019-20	2020-21
1	Number of placed students	166	16	53
2	Minimum salary	Rs. 1.20/- lpa	Rs. 1.38/- lpa	Rs. 1.44/- lpa
3	Maximum salary	Rs. 3.42/- lpa	Rs. 3.36/- lpa	Rs. 10.00/- lpa
4	Average salary	Rs. 1.65/- lpa	Rs. 1.51/- lpa	Rs. 2.54 /- lpa


Branch	Electronics & Telecommunication Engineering
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Campus Placement		2018-19	2019-20	2020-21
1	Number of placed students	25	04	01
2	Minimum salary	Rs. 1.20/- lpa	Rs. 1.38/- lpa	Rs. 3.36/- lpa
3	Maximum salary	Rs. 1.80/- lpa	Rs. 3.10/- lpa	Rs. 3.36/- lpa
4	Average salary	Rs. 1.34/- lpa	Rs. 1.84/- lpa	Rs. 3.36/- lpa

Branch	Computer Science & Engineering
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Campus Placement		2018-19	2019-20	2020-21
1	Number of placed students	45	18	03
2	Minimum salary	Rs. 1.20/- lpa	Rs. 1.38/- lpa	Rs. 3.00/- lpa
3	Maximum salary	Rs. 4.20/- lpa	Rs. 3.75 /- lpa	Rs. 10.00/- lpa
4	Average salary	Rs. 1.80 /- lpa	Rs. 2.08 /- lpa	Rs. 5.91 /- lpa

Branch	Electrical Engineering(Electronics & Power System)			
Campus Placement				
		2018-19	2019-20	2020-21
1	Number of placed students	27	24	04
2	Minimum salary	Rs. 1.20/- lpa	Rs. 1.38/- lpa	Rs. 1.38/- lpa
3	Maximum salary	Rs. 3.42/- lpa	Rs. 1.38 /- lpa	Rs. 3.39/- lpa
4	Average salary	Rs. 1.59 /- lpa	Rs. 1.38 /- lpa	Rs. 1.88 /- lpa
Branch	Information Technology			
Campus Placement				
		2018-19	2019-20	2020-21
1	Number of placed students	06	01	02
2	Minimum salary	Rs. 1.20/- lpa	Rs. 1.38/- lpa	Rs. 3.00 /- lpa
3	Maximum salary	Rs. 1.20/- lpa	Rs. 1.38 /- lpa	Rs. 3.08 /- lpa
4	Average salary	Rs. 1.20 /- lpa	Rs. 1.38 /- lpa	Rs. 3.04 /- lpa


Training & Placement Officer
 R. N. College of Engineering
 USAD - 445215

17. List of Research Projects/Consultancy works

A. Number of Projects Carried out, funding Agency and Grant Received

i. Civil Engg. Department

Sr.No.	Type of Work/Project	Name of Work & Client	Fund Received
01	Consultancy (Research and Consultancy Cell)	Name of Work : Soil testing Work (SBC determination by SPT Test) for construction of Sports Complex at Digras Client: M/S. Sadiq & Co. Engineers and Contractors, Nagpur	Rs. 39,500/-
		Name of Work : Soil testing Work (SBC determination by SPT Test) for construction of Taluka Veterinary Hospital & its compound Wall at Mangrulpir. Client: PWD,Washim	Rs. 21,500/-
		Name of Work : Soil testing Work (SBC determination by SPT Test) for construction of Administrative Building at Karanja Lad. Client: PWD,Washim	Rs. 21,500/-
		Name of Work : Soil testing Work (SBC determination by SPT Test) for construction of Agricultural Marketing and Training Building Client: PWD,Washim	Rs. 50,500/-
		Name of Work : Soil testing Work (SBC determination by SPT Test) for construction of EVM Storage Centre Client: PWD,Washim	Rs. 21,500/-
		Name of Work : CBR Test (for Risod Road) Client: PWD,Washim	Rs.51,300/-
		Name of Work : CBR Test Client: PWD,Washim	Rs.56,600/-
		Name of Work : Brick Testing Work	Rs.2500/-
02	Research Projects	Nil	Nil

ii. Electronics and Telecommunication Engg.

1	MRP - Study of Human Life Sign Detection under debris or behind barrier using multi-frequency Radar System(UGC)	UGC under MRP	Rs.8.59 Lakh
2	Modernization of microprocessor Lab.	MODROBS scheme AICTE	Rs 2.5 Lacs
3	Modernization of Communication Lab.	MODROBS scheme AICTE	Rs 9.0 Lacs
4	Modernization of UHF & Microwave Lab	MODROBS scheme AICTE	Rs 7.5 Lacs
5	FDP "Perspective of Signal Processing in Wireless Communication"	AICTE-Sponsored	4.5lakhs

iii. Computer Science and Engineering

(List of Research Projects & Consultancy Works -

List of Research Projects carried out funding agency Grant received

Sr.No	Event	Name of Agency	Duration		Revenue/Grant Received
			Start	End	
1	GCC-TBC online Exam English 30/40 WPM	Maharashtra State Council of Examinations, Pune	06/01/2020	11/01/2020	28800
2	GCC-TBC online Exam Hindi/Marathi 30/40 WPM	Maharashtra State Council of Examinations, Pune	18/01/2020	22/01/2020	12400
3	GCC-TBC online Exam English 30/40 WPM	Maharashtra State Council of Examinations, Pune	02/03/2021	10/03/2021	26720
4	GCC-TBC online Exam Hindi/Marathi 30/40 WPM	Maharashtra State Council of Examinations, Pune	17/03/2021	22/03/2021	13440
5	Online JEE Mock Test	Chinatamani Coaching Classes, Pusad	11/02/2021	17/02/2021	3400
6	GCC-TBC online Exam English 30/40 WPM	Maharashtra State Council of Examinations, Pune	12/11/2021	18/11/2021	16800
7	GCC-TBC online Exam Hindi/Marathi 30/40 WPM	Maharashtra State Council of Examinations, Pune	25/11/2021	29/11/2021	8760
8	GCC-TBC online Exam SSD	Maharashtra State Council of Examinations, Pune	01/12/2021		600
9	STTP "IoT and Big Data Analytics	Self Sponsered	04/07/2020	08/07/2020	9325
10	FDP "Artificial Intelligence and Machine Learning with Data Science"	AICTE- ATAL Sponsored	14/07/2021	18/07/2021	93000
Total Revenue Generated					120245
Total Grants Received					93000
Total Revenue and Grands					213245

B. Publications if any out of research in last three years out of masters project

i. Civil Engg. Department

Sr. No.	Name of M.E. Student	Title with page nos. Journal	ISSN / ISBN No.	Impact Factor, if any	No. of coauthors	Whether you are the main author
Session:2020-21						
01	Prof. P. S. Jaiswal	Comparative Study of RCC Girder With Prestressed Girder for Roadway Bridge	ISSN: 2321-9939	7.37		Yes
02	Prof. P. P. Naik	Comparative Study of Pre-Engineered Building and Conventional Steel Building	ISSN: 23950 056	7.529	01	Yes
Session:2019-20						
01	Zeeshan Adib Ahmed	Comparative Study of Deflection Behavior of RCC and Pre-stressed Concrete Beams, International Journal for Research in Applied Science and Engineering Technology (IJRASET), May 2019	ISSN : 2321-9653	7.538	01	Yes
02	Zeeshan Adib Ahmed	A Literature Review on Comparative Study of Deflection Behaviour of RCC and Pre-stressed Concrete Beams, International Research Journal of Engineering and Technology (IRJET) , Volume: 06 Issue: 05 May 2019	e- ISSN: 2395-0056	7.529	02	Yes

Sr. No.	Name of M.E. Student	Title with page nos. Journal	ISSN / ISBN No.	Impact Factor, if any	No. of coauthors	Whether you are the main author
Session:2019-20						
01	Khan Md. Muhateshem Azhar	ANALYSIS OF DIFFERENT SHAPE OF BUILDING WITH SAME AREA, International Research Journal of Engineering and Technology (IRJET), Volume: 05 Issue: 11 Nov 2018	e- ISSN: 2395-0056 p- ISSN: 2395-0072		01	No
02	Khan Md. Muhateshem Azhar	Design of Different Shape of Building with Same Area, IJSRD (International Journal for Scientific Research and Development), Page(s): 302-304	e- ISSN: 2321-0613	4.396	01	Yes

**ii. Computer Science and Engg.
Publications (if any) out of research in last three years out of master projects –**

Sr.No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISBN/ISSN number
1	Novel Scheduling Algorithm for Real Time Systems	Dr. S.S.Asole	International Journal of Adavanced Research in Science , Communication and Technology	2019-20	ISSN: 2581-9429
2	Improvement in Quality of Service(QoS) within VANETs: A Survey	Prof.A.S.Dudhe / Dr.S.Y.Amdani	International Organization of Scientific Research	2019-20	ISSN No.: 2250-3021
3	Minimizing Preemptions in multi-threaded Real-Time System	Dr. S.S.Asole	International Journal of Adavanced Research in Science , Communication and Technology	2019-20	ISSN: 2581-9429
4	A Comparative Study of Various Architectures	Prof.A.S.Dudhe /	Journal of Analysis and Computation	2019-20	ISSN No.: 0973-2861

	and Routing Protocol for Quality of Service(QoS) IN VANET	Dr.S.Y.Amdani			
5	A Novel Efficient Approach towards Steganography	Dr. S.S.Asole	International Journal of Recent Innovation in Engineering and Research	2019-20	ISSN No.: 2456-2084
6	"Design and Development of a Communication framework for Mobile node in a Clustered Environment using AI and Machine learning", IJGDC Vol. 13, No. 1, (2020), pp. 2084 – 2094	DR. S. Y. Amadani	International Journal of Grid and Distributed Computing	2020	ISSN: 2005-4262
7	"Designing of Advance Cyber Security Solution using AI Techniques: WEBSTUXCRY", IJGDC Vol. 13, No. 2, (2020), pp. 261 – 269	DR. S. Y. Amadani	International Journal of Grid and Distributed Computing	2020	ISSN: 2005-4262
8	" <u>A Survey of Recent Applications of Improved Dijkstra's Shortest Path Algorithm</u> ", (IRJET) Volume 7, Issue 11, November 2020 Sr. No 200	DR. S. Y. Amadani	International Research Journal of Engineering and Technology (IRJET)	2020	ISSN 2395-0056
9	" <u>A Survey of Recent Applications of Improved Dijkstra's Shortest Path Algorithm</u> ", (IRJET) Volume 7, Issue 11, November 2020 Sr. No 200	Prof. P.B. Niranjane	International Research Journal of Engineering and Technology (IRJET)	2020	ISSN 2395-0056
10	Agent-Based Path Prediction Strategy (ABPP) for Navigation Over Dynamic Environment	DR. S. Y. Amadani	Springer	2021	ISBN 978-981-16-1119-3
11	A Modified EDDKA	DR. S. Y.	Springer	2021	ISBN 978-

	Routing Approach to Enhance Quality of Service(QoS)- Enabled Data Dissemination in VANETs	Amadani			981-15-7421-4
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iii. Electronics and Telecommunication Engg. Department

Publications (if any) Out of research in last three year out of master Project.

Title of Project	Name of Student	Project Guide
2018-19		
To detect and quantify elementary lesions for seriousness of retinal diseases using image processing	Mr. Sandeep Daulatrao Mendhule	Dr. R. J. Bhiwani
2020-21		
Test Independent Emotion Recognition Using Speech Signal	Ms. Sapna Daulat Dongre	Dr. N. P. Jawarkar
2021-22		
IOT Based Smart Patient Monitoring system with emphasis on COVID and associated Respiratory Diseases Diagnosis	Ms. Priyanka B. Pophalkar	Dr. Vasif Ahmed
Attendance making system based on Face Recognition	Ms.Sonal Anantrao Dhuldhaj	Prof.M. A. Khan
Object Removal by Exemplar Based Inpainting	Ms.Chaitali V. Deshmukh	Dr. N. A. Charaniya

C. Industry linkage/ MoUs with Industries

a. Industry Linkage

Sr. No.	Name of the collaborating agency with contact details	Number of the participant	Year of collaboration	Duration (From--- to)
1	ImagEquip Training & Consulting Gurgaon	37	2020	23/06/2020 to 24/06/2020
2	Novisync Solutions India Pvt Ltd 11-9-28 Plot No 62 DASPALLA HILLS VISAKHAPATTAM AP 530002	47	2020	March-2020 to December 2020
3	Microsoft USA Artificial Intelligence	43	2020	Jan-2021 to till continue

D. MoUs with Industries

Sr no	Name of Company	Address	Department
1	Fidesto Projects Private Limited	Ghaziabad	Civil Engg
2	Rucha Promoters and Devlopers	Near sancheti Hospital Pune	Civil Engg
3	Novisync	Hyderabad, India	Computer Science
4	Fulcrum Digital	NJ, London, Brazil, Pune, Mumbai	Computer Science
5	Net Gyani IT Services Pvt Ltd	Pune	Computer Science
6	Kukbit Start	Pune	Computer Science
7	A. R. Power Equipments Pvt Ltd	Lane no. 10, Vidyanagar, near Vishwa Gym., Katraj-Kondhwa road, Katraj, Pune 411046	Electrical/Electronics and Telecommunication
8	Shyam Global Technoventures Pvt ltd	3rd floor, Subhash Lodha Bldg, 417/18/19, Gate no 2, Market yard, Pune 411037	Electrical/Electronics and Telecommunication
9	CADRAC LABS	Hyderabad, India	Electrical/Electronics and Telecommunication
10	PDO International LLP	404, meridian, Hiranandani Medows, Pokhran Road No 2, Thane 400610	Electrical/Electronics and Telecommunication
11	Inditech Electrosystems Pvt Ltd	S/No 6/3A , Deshmukh Nagar, Shivane, NDA Road, Pune	Electronics and Telecommunication
12	Zerone Tech Pvt Ltd	Pune	Electronics and Telecommunication

13	Sharv Polyplast Pvt. Ltd.	Gat 1418 More vasti chikhali, Behind Tata Motors PCMC	Mechanical
14	Shree Saigan Industries	Plot no B 28 MIDC Waluj Aurangabad	Mechanical
15	TESLARC PVT LTD	5, Dhanashree Park, Left Bhusari, Kothrud Pune-38	Mechanical
16	VARAD ENTERPRISES	L-12, KAKADE TOWNSHIP, KESHAVNAGAR, CHINCHWADGAON PUNE 411033	Mechanical
17	Ascent Total Solution Pvt Ltd	16 A /B Chawala Complex Sector 11 CBD Belapur Navi Mumbai	Mechanical
18	Advance CAD Technologies Pvt Ltd	Kothrud Pune	Mechanical
19	Inventive Engg. & Tech Pvt Ltd	wakewadi Pune	Mechanical
20	Suubag Engg & Piping Systems Pvt. Ltd	Majiwade Thane	Mechanical
21	Indo Vidarbha Tool Room	Akola	Mechanical
22	Enclave Engg. Services Pvt. Ltd	Pune	Mechanical
23	Exnet International	Nagpur	Mechanical
24	ImagEquip Training & Consulting	Gurgaon	02/09/2019 to 01/09/2024

All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



APPROVAL PROCESS 2019-20

Extension of Approval (EOA)

F.No. Western/1-4266708206/2019/EOA

Date: 30-Apr-2019

To,

The Secretary,
Tech. & Higher Education Deptt.
Govt. of Maharashtra, Mantralaya,
Annexe Building, Mumbai-400032

Sub: Extension of Approval for the Academic Year 2019-20

Ref: Application of the Institution for Extension of approval for the Academic Year 2019-20

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2018 notified by the Council vide notification number F.No.AB/AICTE/REG/2018 dated 31/12/2018 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-4318017	Application Id	1-4266708206
Name of the Institute	Babasaheb Naik College Of Engineering	Name of the Society/Trust	JANATA SHIKSHAN PRASARAK MANDAL
Institute Address	KAKADATI, KARLA ROAD, PUSAD DIST.YAVATMAL (MS), PUSAD, YAVATMAL, Maharashtra, 445215	Society/Trust Address	NAIK BUNGLOW GANDHI NAGAR PUSAD,PUSAD,YAVATMAL,Maharashtra,445204
Institute Type	Unaided - Private	Region	Western

Opted for Change from Women to Co-Ed and vice versa	No	Change from Women to Co-Ed and vice versa Approved or Not	NA
Opted for Change of Name	No	Change of Name Approved or Not	NA
Opted for Change of Site/Location	No	Change of Site/Location Approved or Not	NA
Opted for Conversion from Degree to Diploma or vice versa	No	Conversion for Degree to Diploma or vice versa Approved or Not	NA
Opted for Organization Name Change	No	Change of Organization Name Approved or Not	NA
Opted for Merger of Institution	No	Merger of Institution Approved or Not	NA
Opted for Introduction of New Program/Level	No	Introduction of Program/Level Approved or Not	NA

To conduct following Courses with the Intake indicated below for the Academic Year 2019-20

Program	Shift	Level	Course	FT/PT+	Affiliating Body (Univ/Body)	Intake Approved for 2019-20	NRI Approval Status	PIO / FN / Gulf quota/ OCI/ Approval Status
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	CIVIL ENGINEERING	FT	Sant Gadge Baba Amravati University, Amravati	120	NA	NA
ENGINEERING AND	1st	UNDER GRADUATE	MECHANICAL	FT	Sant Gadge Baba Amravati University, Amravati	60	NA	NA

TECHNOLOGY		TE	ENGINEERING					
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	ELECTRONICS & TELE-COMMUNICATION ENGINEERING	FT	Sant Gadge Baba Amravati University, Amravati	30	NA	NA
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FT	Sant Gadge Baba Amravati University, Amravati	60	NA	NA
ENGINEERING AND TECHNOLOGY	1st	POST GRADUATE	STRUCTURAL ENGINEERING	FT	Sant Gadge Baba Amravati University, Amravati	18	NA	NA
ENGINEERING AND TECHNOLOGY	1st	POST GRADUATE	DIGITAL ELECTRONICS	FT	Sant Gadge Baba Amravati University, Amravati	18	NA	NA
ENGINEERING AND TECHNOLOGY	2nd	POST GRADUATE	CAD CAM	FT	Sant Gadge Baba Amravati University, Amravati	18	NA	NA
ENGINEERING AND TECHNOLOGY	2nd	POST GRADUATE	COMPUTER SCIENCE & ENGINEERING	FT	Sant Gadge Baba Amravati University, Amravati	18	NA	NA
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	ELECTRICAL, ELECTRONICS AND POWER	FT	Sant Gadge Baba Amravati University, Amravati	60	NA	NA

+FT –Full Time,PT-Part Time

Deficiencies Noted based on Self Disclosure

Particulars	Deficiency
Other Facilities Deficiency	
Group accident policy for employees	Yes

*Please refer Deficiency Report for details

BABASAHEB NAIK COLLEGE OF ENGINEERING is hereby informed to submit the compliance of the deficiencies mentioned above to the Regional Office within a period of **6 months** from the date of issuance of this letter failing which the council shall initiate strict action as defined in Approval Process Handbook 2019-20 during the subsequent Academic Year.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation: - Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate

steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

It is mandatory to comply all the essential requirements as given in APH 2019-20(appendix 6)

NOTE: If the State Government / UT / DTE / DME has a reservation policy for admission in Technical Education Institutes and the same is applicable to Private & Self-financing Technical Institutions, then the State Government / UT/ DTE / DME shall ensure that 10 % of Reservation for EWS would be operational from the Academic year 2019-20 without affecting the percentage reservations of SC/ST/OBC/General . However, this would not be applicable in the case of Minority Institutions referred to the clause (1) of Article 30 of Constitution of India.

**Prof. A.P Mittal
Member Secretary, AICTE**

Copy to:

1. **The Director Of Technical Education****, Maharashtra
2. **The Registrar****,
Sant Gadge Baba Amravati University, Amravati
3. **The Principal / Director**,
Babasaheb Naik College Of Engineering
Kakadati,
Karla Road, Pusad
Dist.Yavatmal (Ms),
Pusad,Yavatmal,
Maharashtra,445215
4. **The Secretary / Chairman**,
Janata Shikshan Prasarak Mandal
Naik Bunglow
Gandhi Nagar
Pusad.
Pusad,Yavatmal,
Maharashtra,445204
5. **The Regional Officer**,
All India Council for Technical Education
Industrial Assurance Building
2nd Floor, Nariman Road
Mumbai - 400 020, Maharashtra
6. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/>

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



APPROVAL PROCESS 2020-21

Extension of Approval (EoA)

F.No. Western/1-7002329467/2020/EOA

Date: 15-Jun-2020

To,

The Secretary,
Tech. & Higher Education Deptt.
Govt. of Maharashtra, Mantralaya,
Annexe Building, Mumbai-400032

Sub: Extension of Approval for the Academic Year 2020-21

Ref: Application of the Institution for Extension of Approval for the Academic Year 2020-21

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2020 notified by the Council vide notification number F.No. AB/AICTE/REG/2020 dated 4th February 2020 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-4318017	Application Id	1-7002329467
Name of the Institution	BABASAHEB NAIK COLLEGE OF ENGINEERING	Name of the Society/Trust	JANATA SHIKSHAN PRASARAK MANDAL
Institution Address	KAKADATI, KARLA ROAD, PUSAD DIST.YAVATMAL (MS), PUSAD, YAVATMAL, Maharashtra, 445215	Society/Trust Address	NAIK BUNGLOW GANDHI NAGAR PUSAD,PUSAD,YAVATMAL,Mahar ashtra,445204
Institution Type	Private-Self Financing	Region	Western

To conduct following Courses with the Intake indicated below for the Academic Year 2020-21

Program	Level	Course	Affiliating Body (University /Body)	Intake Approved for 2019-20	Intake Approved for 2020-21	NRI Approval Status	PIO / FN / Gulf quota/ OCI/ Approval Status
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	CIVIL ENGINEERING	Sant Gadge Baba Amravati University, Amravati	120	120	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	MECHANICAL ENGINEERING	Sant Gadge Baba Amravati University, Amravati	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	Sant Gadge Baba Amravati University, Amravati	60	60	NA	NA

ENGINEERING AND TECHNOLOGY	POST GRADUATE	STRUCTURAL ENGINEERING	Sant Gadge Baba Amravati University, Amravati	18	18	NA	NA
ENGINEERING AND TECHNOLOGY	POST GRADUATE	DIGITAL ELECTRONICS	Sant Gadge Baba Amravati University, Amravati	18	9	NA	NA
ENGINEERING AND TECHNOLOGY	POST GRADUATE	CAD CAM	Sant Gadge Baba Amravati University, Amravati	18	9	NA	NA
ENGINEERING AND TECHNOLOGY	POST GRADUATE	COMPUTER SCEINCE & ENGINEERING	Sant Gadge Baba Amravati University, Amravati	18	18	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ELECTRICAL, ELECTRONICS AND POWER	Sant Gadge Baba Amravati University, Amravati	60	30	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Sant Gadge Baba Amravati University, Amravati	0	60###	NA	NA

Approved New Course(s)

\$\$ Course(s) should be offered in Emerging Area

Course(s) Applied for Closure by the Institution for the Academic Year 2020-21

Program	Level	Course	Affiliating Body (Univ/Body)	Course Closure Status
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ELECTRONICS & TELE-COMMUNICATION ENGINEERING	Sant Gadge Baba Amravati University, Amravati	Approved

It is mandatory to comply with all the essential requirements as given in APH 2020-21 (Appendix 6)

Important Instructions
<p>1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2020-21 is implemented without affecting the reservation percentages of SC/ ST/ OBC/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years beginning with the Academic Year 2020-21</p> <p>2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time now amalgamated as total intake shall</p>

have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2020-21 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook. All such Institutions/ Universities shall have to create the necessary Faculty, Infrastructure and other facilities WITHIN 2 YEARS to fulfil the norms based on the Affidavit submitted to AICTE.

3. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.
4. Strict compliance of Anti-Ragging Regulation: - Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 373/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy to:

1. **The Director Of Technical Education****, Maharashtra
2. **The Registrar****,
Sant Gadge Baba Amravati University, Amravati
3. **The Principal / Director**,
BABASAHEB NAIK COLLEGE OF ENGINEERING
Kakadati,
Karla Road, Pusad
Dist.Yavatmal (Ms),
Pusad,Yavatmal,
Maharashtra,445215
4. **The Secretary / Chairman**,
NAIK BUNGLOW
GANDHI NAGAR
PUSAD
PUSAD,YAVATMAL
Maharashtra,445204
5. **The Regional Officer**,
All India Council for Technical Education
Industrial Assurance Building
2nd Floor, Nariman Road
Mumbai - 400 020, Maharashtra
6. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/>

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APPROVAL PROCESS 2021-22

Extension of Approval (EoA)

F.No. Western/1-9322251964/2021/EOA

Date: 25-Jun-2021

To,

The Secretary,
 Tech. & Higher Education Deptt.
 Govt. of Maharashtra, Mantralaya,
 Annexe Building, Mumbai-400032

Sub: Extension of Approval for the Academic Year 2021-22

Ref: Application of the Institution for Extension of Approval for the Academic Year 2021-22

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, Notified on 4th February, 2020 and amended on 24th February 2021 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to:

Permanent Id	1-4318017	Application Id	1-9322251964
Name of the Institution /University	BABASAHEB NAIK COLLEGE OF ENGINEERING	Name of the Society/Trust	JANATA SHIKSHAN PRASARAK MANDAL
Institution /University Address	KAKADATI, KARLA ROAD, PUSAD DIST.YAVATMAL (MS), PUSAD, YAVATMAL, Maharashtra, 445215	Society/Trust Address	NAIK BUNGLOW GANDHI NAGAR PUSAD,PUSAD,YAVATMAL,Maharashtra,445204
Institution /University Type	Private-Self Financing	Region	Western

To conduct following Programs / Courses with the Intake indicated below for the Academic Year 2021-22

Program	Level	Course	Affiliating Body (University /Body)	Intake Approved for 2020-21	Intake Approved for 2021-22	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	CIVIL ENGINEERING	Sant Gadge Baba Amravati University, Amravati	120	120	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	MECHANICAL ENGINEERING	Sant Gadge Baba Amravati University, Amravati	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	Sant Gadge Baba Amravati University, Amravati	60	60	NA	NA

ENGINEERING AND TECHNOLOGY	POST GRADUATE	STRUCTURAL ENGINEERING	Sant Gadge Baba Amravati University, Amravati	18	18	NA	NA
ENGINEERING AND TECHNOLOGY	POST GRADUATE	DIGITAL ELECTRONICS	Sant Gadge Baba Amravati University, Amravati	9	9	NA	NA
ENGINEERING AND TECHNOLOGY	POST GRADUATE	CAD CAM	Sant Gadge Baba Amravati University, Amravati	9	9	NA	NA
ENGINEERING AND TECHNOLOGY	POST GRADUATE	COMPUTER SCEINCE & ENGINEERING	Sant Gadge Baba Amravati University, Amravati	18	9**	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ELECTRICAL, ELECTRONICS AND POWER	Sant Gadge Baba Amravati University, Amravati	30	30	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Sant Gadge Baba Amravati University, Amravati	60	60	NA	NA

**Intake reduced due to the admissions less than or equal to 30% of the initial "Approved Intake" for the past 5 years consistently

It is mandatory to comply with all the essential requirements as given in APH 2021-22 (Appendix 6)

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.
2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time now amalgamated as total intake shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2021-22 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook.
3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Complaint Committee (ICC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as per the provisions made in Approval Process Handbook and AICTE Regulation notified from time to time.
4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy ** to:

1. **The Director of Technical Education**, Maharashtra**
2. **The Registrar**,
Sant Gadge Baba Amravati University, Amravati**
3. **The Principal / Director,
BABASAHEB NAIK COLLEGE OF ENGINEERING
Kakadati,
Karla Road, Pusad
Dist.Yavatmal (Ms),
Pusad,Yavatmal,
Maharashtra,445215**
4. **The Secretary / Chairman,
NAIK BUNGLOW
GANDHI NAGAR
PUSAD
PUSAD,YAVATMAL
Maharashtra,445204**
5. **The Regional Officer,
All India Council for Technical Education
Industrial Assurance Building
2nd Floor, Nariman Road
Mumbai - 400 020, Maharashtra**
6. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/> .

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

This is a computer generated Statement. No signature Required



AUDIT REPORT

We have examined the Balance Sheet of Janta Shikshan Prasarak Mandal's Babasaheb Naik College Of Engineering, Pusad as at 31st March, 2019 and Income & Expenditure Account for the year ended on that date which is in agreement with the books of account maintained.

We have obtained all the information and explanations, which to the best of our knowledge and belief, were necessary for the purposes of the audit. In our opinion, proper books of accounts have been kept by the institution aforesaid visited by us so far as appears from our examination of books, subject to the comments given below :-

NIL

In our opinion and to the best of our information and according to the explanations given to us, the said accounts give a true and fair view :-

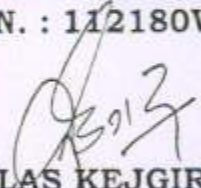
- (i) In case of Balance Sheet, of the State of Affairs of the above named institution as at 31st March, 2019.
- (ii) In the case of Income & Expenditure Account, of the Surplus/Deficit of the Institution for the year ended on that date.

NAGPUR



DATED: 14 OCT 2019

For KND & ASSOCIATES
Chartered Accountants
FRN. : 112180W


(KAILAS KEJGIR)
Partner
Mem. No. 100187

Janata Shikshan Prasarak Mandal's,
BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD.
Balance Sheet Dated 31/03/2019

Funds & Liabilities	Amount	Amount	Property & Assets	Amount	Amount
Consultancy Dev. Fund :	2522065.66	2522065.66	Fixed Assets :		32996241.71
Development Fund :	46034660.00	46034660.00	Furniture	6970126.47	
Gratuity Fund :		102762297.00	Plant & Machinery	22262889.22	
Up to 2017-18	105968625.00		Computers	2813709.36	
Add : For the year 2018-19	10141317.00		Library	949516.66	
Less : Gratuity Claims	(13347645.00)		Distance Education Prog. :	368239.00	368239.00
Grants-in-Aids :		5329860.00	Loan & Advances :		169291268.88
1) AICTE Grant	4530860.00		Personal Loan	470000.00	
2) UGC Grant	799000.00		Outstanding Fees	74163850.00	
Deposits :		10377578.75	Old Outstanding fee	1337901.00	
Caution Money Deposit	7243345.00		Fee Arrears	16215.00	
Library Deposit	6045.00		General Advance	1636681.00	
Fee Deposit	1589864.00		Festival Advance	934900.00	
Temporery Deposits	1538324.75		General Advance (Supp)	92750.00	
Other Liabilities :		286627395.36	Pay Advance	3502388.00	
JSPM	39013957.29		BOM ATM	61469.00	
PECAA	1481151.00		J.S.P.M.'s Hostel	7378701.14	
Student Welfare Fund	2518333.00		Polytechnic	4218310.14	
Suspense A/c	400440.00		Prof. Tax	568816.00	
DTE	87100.00		EPF (E)	4608312.00	
Unpaid Salary	205752299.00		LIC Premium	3009577.00	
Unpaid DA Arrears	24092711.00		Group Insurance	372698.00	
Unpaid Gratuity	142723.00		N.S.S. Unit	204900.00	
Univ. Exam. Adv.	30970.82		ME Course	64343170.00	
University fees	1289626.00		Shri P.T.Rathod/Shri V.K.Ade	2370630.60	
Examination Fees	2435431.00		Deposits :		540845.00
Scrutiny fee	6365.00		M.S.E.B.	464145.00	
Provisional Admission Fee	1453826.00		Telephone	46700.00	
Fee Refundable	308228.00		Building Fund	30000.00	
Sundry Creditors	3928.00		Shares :		1000.00
State Bank, Pusad	6325.00		Akola Janata Comm. Bank	1000.00	
PMKVY	581706.00		Group Gratuity Scheme :		102762297.00
Rev. Stamps	211.00		With L.I.C.of India	102762297.00	
GSLI Claims	22067.00		Income & Exp. A/c :		121004051.65
Interim Fee	134647.00		As per last BalanceSheet	54335931.75	
EBC	3888625.00		Deficit for the year (-)	66863630.90	
GOI Scholarship	2926725.25			(195511.00)	
Unnat Bharat Yojana	50000.00		Closing Balance :		26689913.53
			Cash-in-hand	0.00	



Janata Shikshan Prasarak Mandal's,
BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD.
 Balance Sheet Dated 31/03/2019

Funds & Liabilities	Amount	Amount	Property & Assets	Amount	Amount
			Pety Cash a/c	48832.00	
			SBI A/c No. 10941014340	19029.06	
			SBI A/c No. 10941014373	366152.41	
			SBI A/c No. 10941014384	10172.35	
			PUB Saving a/c No. 8960	61102.42	
			Akola Janata Bank a/c	26453.00	
			Bank of Maharashtra	22375346.82	
			Bank of India	14905.40	
			Buldana Urban Coop Soc.	8186.00	
			SBI GGS Saving A/c	74883.62	
			PUB Emergency Fund A/c	23183.50	
			SBI Fixed Deposit A/c	1756390.00	
			BOM Fixed Deposit A/c	600000.00	
			FDR Bank of India	1000000.00	
			Adarsha Mahila Patsanstha	51619.00	
			SBI Current A/c	107169.50	
			SBI Exam fee Current A/c	144863.95	
			SBI GGS Current A/c	1624.50	
TOTAL		453653856.77	TOTAL		453653856.77

As per our Report of Even Date attached

For **K N D & ASSOCIATES**

Chartered Accountants

FRN. : 112180W

[**KAILAS KEJGIR**]

Partner

Mem. No. 100187

UDIN- 19100187AAAACN7892

NAGPUR

PRINCIPAL



DATED:
PUSAD

14 OCT 2019

President

Janata Shikshan Prasarak Mandal's
BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD

Janata Shikshan Prasarak Mandal's,
BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD.
Income & Expenditure Account for the period 01/04/2018 to 31/03/2019.

Expenditure	Amount	Amount	Income	Amount	Amount
SALARY EXPENSES :			INCOME FROM FEES :		106797545.00
Salary to Staff :		140352056.00	Tuition Fee	96693088.00	
A) Teaching Staff	88016914.00		Dev. Fee	10104457.00	
B) Non-Teach. Staff	52335142.00				
PF College Contribution :		3950995.00	OTHER INCOME:		1203778.00
A) Teaching Staff	1666155.00		Breakage Fee	15953.00	
B) Non-Teaching Staff	2284840.00		Fine & Penalties	63100.00	
PF Administrative Charges :		530094.00	Sale of Prospectus	42680.00	
A) Teaching Staff	223548.00		Admission Cancellation Fees	10000.00	
B) Non-Teaching Staff	306546.00		Interest on FDR	572361.00	
Gratuity Premium :		2533688.00	Student Insurance	105459.00	
Gratuity Premium	2533688.00		Gymkhana Fee	10100.00	
Leave Encashment :		102746.00	Laboratory Fees	340000.00	
To Non Teaching staff	102746.00		Scraps Material	44125.00	
VISITING FACULTIES :	206424.00	206424.00	OTHER RECEIPTS :		406643.50
NON-SALARY EXPENSES :		13533612.40	Fee Arrears	140102.00	
Administrative expenses	4682177.40		Misc. Receipts	25770.50	
Annual Gathering	667901.00		ISTE/STIP	103200.00	
Training & Placement	64800.00		Recovery of Pay	20197.00	
Student Programmes	747420.00		Xerox Receipts	40927.00	
Games & Sports Activities	146491.00		Univ. Exam. Material	76447.00	
Alumni Expenses	196778.00				
Conference & Seminars	211451.00				
Student Insurance	109213.00				
Student Related Expenses	4050741.00				
Library expenses	175603.00				
Advertisement	66271.00				
Maintenance	877613.00				
Communication	852317.00				
Lab. Material	684836.00				
OTHER EXPENSES :		7720810.00			
Professional fees	126850.00				
Building Rent	7593960.00				
DEPRECIATION :		6341172.00	INCOME & EXP. :		66863630.90
For the F.Y. 2018-19	6341172.00		Deficit for the year	66863630.90	
Total:		175271597.40	Total:		175271597.40

As per our Report of Even Date attached

For K N D & ASSOCIATES

Chartered Accountants

FRN. / 11218/W

[KAILAS KEJGIR]

Partner

Mem. No. 100187

UDIN- 19100187AAAACN7892

NAGPUR



PRINCIPAL

Babasaheb Naik College of Engg
PUSAD

DATED

14 OCT 2019

President

(PRESIDENT) (PRINCIPAL)
Janata Shikshan Prasarak Mandal
PUSAD

Janata Shikshan Prasarak Mandal's,
BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD.
RECEIPT & PAYMENTS FOR THE PERIOD FROM 01-04-2018 TO 31-03-2019.

Receipts	Amount	Amount	Payments	Amount	Amount
INCOME FROM FEES :		106797545.00	SALARY EXPENSES :		140352056.00
Tuition Fee (Net)	96693088.00		A) Teaching Staff	88016914.00	
Dev. Fee	10104457.00		B) Non-Teach. Staff	52335142.00	
OTHER INCOME :		1203778.00	PF COLLEGE CONTRIBUTION :		3950995.00
Breakage Fee	15953.00		A) Teaching Staff :	1666155.00	
Fine & Penalties	63100.00		B) Non-Teaching Staff :	2284840.00	
Sale of Prospectus	42680.00		PF ADMINISTRATIVE CH. :		530094.00
Admission Cancellation Fees	10000.00		A) Teaching Staff :	223548.00	
Interest on FDR	572361.00		B) Non-Teaching Staff :	306546.00	
Student Insurance	105459.00		GRATUITY PREMIUM :		2533668.00
Gymkhana Fee	10100.00		Gratuity Premium	2360223.00	
Laboratory Fees	340000.00		Life Cover Premium	173465.00	
Scraps Material	44125.00		LEAVE ENCASHMENT :		102746.00
OTHER RECEIPTS :		406643.50	1) Non Teaching	102746.00	
Fee Arrears	140102.00		VISITING FACULTIES :		206424.00
Misc Receipts	25770.50			206424.00	
ISTE/STIP	103200.00		NON-SALARY EXPENSES :		4682177.40
Recovery of Pay	20197.00		ADMINISTRATIVE EXPENSES :		
Xerox Receipts	40927.00		Univ. Affiliation fee	150000.00	
Univ. Exam. Material	76447.00		Audit fee	70800.00	
			Bank Charges	24846.40	
			Stationery & Xerox	243836.00	
			Prospectus Printing	42245.00	
			Electricity Charges	3042320.00	
			Water Expenses	1000910.00	
			Fee Regulating Authority	107200.00	
			ANNUAL GATHERING :		667901.00
			Annual Gathering	516057.00	
			Magazine Publishing	151844.00	
			TRAINING & PLACEMENT :		64800.00
				64800.00	
			STUDENT PROGRAMMES :		747420.00
			College Programmes	107287.00	
			Social Welfare Camp	212955.00	
			Extra Curricular Activities	427178.00	
			GAMES & SPORTS ACTIVITIES :		146491.00
			Sports Activities	94026.00	
			Games Material	52465.00	
			ALUMNI EXPENSES :		196778.00
			Alumni Meet	196778.00	
			CONFERENCE & SEMINARS :		211451.00
			Faculties	167288.00	
			Student	44163.00	
			STUDENT INSURANCE :		109213.00
			Student Insurance	109213.00	
			STUDENT RELATED EXPENSES:		4050741.00
			Office expenses	66470.00	
			First Aid & Dispensary	10406.00	
			University Expenses	392023.00	
			Misc. Expenses	178183.00	
			Environmental Studies	11488.00	
			Govt. Fees	100000.00	



			Student Dev. Activities	3292171.00	
			LIBRARY EXPENSES :		175603.00
			Library Journals	108196.00	
			News Papers	48747.00	
			Library Maintenance	18660.00	
			ADVERTISEMENTS :		66271.00
			RECRUITMENT ADDS.	66271.00	
			PROFESSIONAL FEES :		126850.00
			ISO	16200.00	
			Legal Expenses	110650.00	
			MAINTENANCE:		877613.00
			Repairs	52115.00	
			General Repairs & Maintenance	567358.00	
			Electrical Maintenance	122640.00	
			Telephone Maintenance	5500.00	
			AMC Xerox Machine	130000.00	
			COMMUNICATION :		852317.00
			Internet	764730.00	
			Telephone	82587.00	
			Postage	5000.00	
			LAB. MATERIAL :		684836.00
			Civil Deptt	76931.00	
			Mech. Deptt.	650.00	
			Electronics Deptt.	44513.00	
			Electrical Deptt.	27267.00	
			Computer Deptt.	510846.00	
			Workshop Deptt.	10598.00	
			Chem. Deptt.	4631.00	
			Softwares	9400.00	
			BUILDING RENT :		7593960.00
			[For the year 2018-19]	7593960.00	
			DEPRECIATION :		6341172.00
			[For the year 2018-19]	6341172.00	
FIXED ASSETS :		6341172.00	EQUIPMENTS :		999152.00
Furniture & Vehicle	1230022.00		Electronic Deptt	580452.00	
Plant & Machinery	3865483.00		Office Equipment	200700.00	
Computers	937903.00		Xerox Machine	218000.00	
Library	307764.00				
GRATUITY FUND :		10141317.00	LIBRARY BOOKS :		52450.00
	10141317.00			52450.00	
GROUP GRATUITY SCHEME :		13573246.00	GRATUITY FUND :		13347645.00
Claims from LIC of India	13573246.00			13347645.00	
INCOME & EXPENSES A/C :		195511.00	GRATUITY SCHEME :		10366918.00
	195511.00		With LIC of India	10366918.00	
LOAN & ADVANCES :		386081857.75	LOAN & ADVANCES :		314215884.75
General Advance	3450943.00		General Advance	2568900.00	
Pay Advance	3900672.00		Pay Advance	4070870.00	
Festival Advance	364100.00		Festival Advance	505000.00	
Consultancy	517404.00		Consultancy	156750.00	
Univ. Examination a/c	835739.00		Univ. Examination a/c	1697984.00	
Caution Money Deposit	376000.00		Caution Money Deposit	654000.00	
Provisional Admn. Fee	19223396.00		Provisional Admn. Fee	19414133.00	
Interaim Fee	3012058.00		Interaim Fee	3039945.00	
Temperory Deposit	1450928.00		Temperory Deposit	891555.25	
Unpaid Salary	145978351.00		Unpaid Salary	126908932.00	
Unpaid Arrears	24092711.00		J.S.P.M.	917704.00	



J.S.P.M.	7618960.00		J.S.P.M.'s Hostel	1999637.00	
NSS Unit	121990.00		Polytechnic	113875.00	
Outstanding Fees	73729449.50		NSS Unit	89900.00	
DTE	6000.00		Outstanding Fees	47006934.50	
Suspense A/c	116300.00		DTE	32000.00	
PECAA	69200.00		Suspense A/c	56991.00	
GSLI Claims	359861.00		GSLI Claims	337794.00	
Gratuity Claims	10199681.00		Gratuity Claims	10199681.00	
GOI Scholarships	6621112.00		GOI Scholarships	874085.00	
Social Welfare Deptt	75989180.75		Social Welfare Deptt	75416000.50	
ME Course	1133850.00		ME Course	13763927.00	
SBI ATM	21494.00		SBI ATM	24055.00	
BOM ATM	81786.00		BOM ATM	51676.00	
Unnat Bharat Yojana	50000.00		PMKVY	240489.00	
EBC	6760691.50		EBC	2872066.50	
			Sundry Creditors	311000.00	
UNIVERSITY FEES :		1102887.00	UNIVERSITY FEES :		510244.00
University Fees:	620715.00		University Fees:	441329.00	
Examination Fee	477957.00		Examination Fee	68915.00	
Scrutiny fee	4215.00				
STAFF CONTRIBUTIONS :		19428511.00	STAFF CONTRIBUTIONS :		22707471.00
E.P.F.	2773268.00		E.P.F.	4087795.00	
Income Tax	6711866.00		Income Tax	6711866.00	
Professional Tax	321025.00		Professional Tax	534150.00	
L.I.C. Premium	1375544.00		L.I.C. Premium	2226201.00	
Group Insurance	173153.00		Group Insurance	277018.00	
Bank Loan	3631500.00		Bank Loan	4046643.00	
Credit Society	4258524.00		Credit Society	4640378.00	
Quarter Rent	181920.00		Quarter Rent	181920.00	
Rev. Stamps	1711.00		Rev. Stamps	1500.00	
OPENING BALANCE :		18868807.43	CLOSING BALANCE :		26689913.53
Cash-in-hand	4000.00		Cash-in-hand	0.00	
Pety Cash a/c	22845.00		Pety Cash a/c	48832.00	
SBI A/c No. 10941014340	18377.06		SBI A/c No. 10941014340	190209.06	
SBI A/c No. 10941014373	283137.41		SBI A/c No. 10941014373	366152.41	
SBI A/c No. 10941014384	9824.35		SBI A/c No. 10941014384	10172.35	
PUB Saving a/c No. 8960	61220.42		PUB Saving a/c No. 8960	61102.42	
Akola Janata Bank Ac. No. 270	25551.00		Akola Janata Bank Ac. No. 270	26453.00	
Bank of Mah. (60065078351)	15216013.72		Bank of Mah. (60065078351)	22375346.82	
Bank of India (063210210000015)	14905.40		Bank of India (063210210000015)	14905.40	
Buldana Urban (2384)	7894.00		Buldana Urban (2384)	8186.00	
SBI GGS Saving A/c (10940855328)	72318.62		SBI GGS Saving A/c (10940855328)	74883.62	
PUB Emergency Fund Ac (13686)	23301.50		PUB Emergency Fund Ac (13686)	23183.50	
SBI Fixed Deposit A/c	1200000.00		SBI Fixed Deposit A/c	1756390.00	
BOM Fixed Deposit A/c	600000.00		BOM Fixed Deposit A/c	600000.00	
FDR Bank of India	1000000.00		FDR Bank of India	1000000.00	
Adarsha Mahila Patsanstha	51639.00		Adarsha Mahila Patsanstha	51619.00	
SBI Current A/c (36051065701)	127633.50		SBI Current A/c (36051065701)	107169.50	
SBI Exam fee Current (36051223023)	145512.95		SBI Exam fee Current (36051223023)	144863.95	
SBI GGS Current A/c (36051676175)	4633.50		SBI GGS Current A/c (36051676175)	1624.50	
TOTAL		564161275.68	TOTAL		564161275.68

As per our Report of Even Date attached

For K N D & ASSOCIATES

Chartered Accountants

FRN. : 112180W

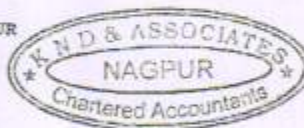
[KAILAS KESGIR]

Partner

Mem. No. 100187

UDIN- 19100187AAAAACN7892

NAGPUR



PRINCIPAL

PUSAD

14 OCT 2019

President
(PRINCIPAL) Babasaheb Naik College of Engg
PUSAD

Statement of Depreciation for the year 2018-19 :

Sr. No.	Particulars	Rate of Dep.	Opening WDV (01/04/2018)	Purchases Apr '18 to Sept '18	Total	Depreciation (100%)	Purchase Oct '18 to Mar '19	Depreciation (50%)	Total Depreciation	Closing WDV (31/03/2019)
[A]	Fixed Assets:									
	Furniture:									
1	Furniture & Fixers	15%	8077715.77	0.00	8077715.77	1211657.00	0.00	0.00	1211657.00	6866058.77
2	Fire Extinguishers	15%	25051.90	0.00	25051.90	3758.00	0.00	0.00	3758.00	21293.90
3	(Vehicle) Ambulance	15%	97380.80	0.00	97380.80	14607.00	0.00	0.00	14607.00	82773.80
	Total: "A"		8200148.47	0.00	8200148.47	1230022.00	0.00	0.00	1230022.00	6970126.47
[B]	Plant & Machinery:									
1	Civil	15%	3124063.13	0.00	3124063.13	468609.00	0.00	0.00	468609.00	2655454.13
2	Mechanical	15%	3359189.33	0.00	3359189.33	503878.00	0.00	0.00	503878.00	2855311.33
3	Workshop	15%	3568130.86	0.00	3568130.86	535220.00	0.00	0.00	535220.00	3032910.86
4	Electronics	15%	9095894.06	89000.00	9184894.06	1377734.00	491452.00	36859.00	1414593.00	8261753.06
5	Electrical	15%	507806.00	0.00	507806.00	76171.00	0.00	0.00	76171.00	431635.00
6	Physics	15%	178285.34	0.00	178285.34	26743.00	0.00	0.00	26743.00	151542.34
7	Chemistry	15%	240468.37	0.00	240468.37	36070.00	0.00	0.00	36070.00	204398.37
8	T & P Deptt.	15%	21880.80	0.00	21880.80	3282.00	0.00	0.00	3282.00	18598.80
9	Energy Park	15%	142995.70	0.00	142995.70	21449.00	0.00	0.00	21449.00	121546.70
10	Website	15%	35141.50	0.00	35141.50	5271.00	0.00	0.00	5271.00	29870.50
11	Substation	15%	59593.90	0.00	59593.90	8939.00	0.00	0.00	8939.00	50654.90
12	Multigym	15%	40495.80	0.00	40495.80	6074.00	0.00	0.00	6074.00	34421.80
13	Launguage Lab.	15%	312693.70	0.00	312693.70	46904.00	0.00	0.00	46904.00	265789.70
14	Bio-Gas Plant	15%	25458.25	0.00	25458.25	3819.00	0.00	0.00	3819.00	21639.25
15	Electricity Express Feeder	15%	525110.60	0.00	525110.60	78767.00	0.00	0.00	78767.00	446343.60
16	Musical Equipments	15%	91034.90	0.00	91034.90	13655.00	0.00	0.00	13655.00	77379.90
17	Mathematics Equipments	15%	594.50	0.00	594.50	89.00	0.00	0.00	89.00	505.50
18	Equipments	15%	2891151.38	193200.00	3084351.38	462653.00	7500.00	563.00	463216.00	2628635.38



19	Library Equipments	15%	621303.00	0.00	621303.00	93195.00	0.00	0.00	93195.00	528108.00	621303.00
20	Xerox Machine	15%	287929.10	0.00	287929.10	43189.00	218000.00	16350.00	59539.00	446390.10	287929.10
	Total "B"		25129220.22	282200.00	25411420.22	381171.00	716952.00	53772.00	3865483.00	22262889.22	25129220.22
	Computers:										
1	Computers:	25%	3738929.48	0.00	3738929.48	934732.00	0.00	0.00	934732.00	2804197.48	3738929.48
2	Computerisation	25%	12682.88	0.00	12682.88	3171.00	0.00	0.00	3171.00	9511.88	12682.88
	Total "C"		3751612.36	0.00	3751612.36	937903.00	0.00	0.00	937903.00	2813709.36	3751612.36
	Library :-										
1	Library Books	25%	1204830.66	0.00	1204830.66	301208.00	52450.00	6556.00	307764.00	949516.66	1204830.66
	Total "D"		1204830.66	0.00	1204830.66	301208.00	52450.00	6556.00	307764.00	949516.66	1204830.66
	Total: (A+B+C+D)		38285811.71	282200.00	38568011.71	6280844.00	769402.00	60328.00	6341172.00	32996241.71	38285811.71



BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD

ANNEXURE - 'B': SIGNIFICANT ACCOUNTING POLICIES AND NOTES TO FINANCIAL STATEMENTS

1. Institution Overview

The Institution was formed under Janata Shikshan Prasarak Mandal, a society registered under Societies Registration Act, 1860 with a view to impart education in Engineering to the students. The Institute is affiliated to Sant Gadgebaba Amravati University, Amravati.

2. Significant Accounting Policies

2.1 Basis of preparation of financial statements

The accompanying financial statements have been prepared under the historical cost convention, in accordance with Indian Generally Accepted Accounting Principles under the historical cost convention on the accrual basis, except where otherwise stated.

2.2 Revenue Recognition

Fees from students are accounted for on accrual basis as and when admission of the student is confirmed. Fees are charged as per norms fixed by the Shikshan Shulka Samittee.

2.3 Depreciation

Depreciation on Fixed Assets is calculated on written down value at the beginning of the year and their respective additions during the year at prescribed rates.

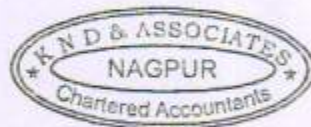
2.4 Fixed Assets

Fixed assets are valued at historical cost less depreciation. The historical cost includes the cost of acquisition and all the expenses incurred to bring the asset to the present location and condition.

2.5 Retirement Benefits

Gratuity Liability, which is a defined benefit scheme is provided for on the basis of an actuarial valuation made at the end of each financial year.

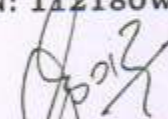
NAGPUR



DATED:

14 OCT 2019

For KND & ASSOCIATES
Chartered Accountants
FRN: 112180W


(KAILAS KEJGIR)
Partner
Mem. No. 100187



AUDIT REPORT

We have examined the Balance Sheet of Janta Shikshan Prasarak Mandal's Babasaheb Naik College Of Engineering, PG Course, Pusad as at 31st March, 2019 and Income & Expenditure Account for the year ended on that date which is in agreement with the books of account maintained.

We have obtained all the information and explanations, which to the best of our knowledge and belief, were necessary for the purposes of the audit. In our opinion, proper books of accounts have been kept by the institution aforesaid visited by us so far as appears from our examination of books, subject to the comments given below :-

NIL

In our opinion and to the best of our information and according to the explanations given to us, the said accounts give a true and fair view :-

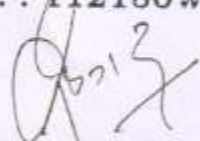
- (i) In case of Balance Sheet, of the State of Affairs of the above named institution as at 31st March, 2019.
- (ii) In the case of Income & Expenditure Account, of the Surplus/Deficit of the Institution for the year ended on that date.

NAGPUR



DATED: 14 OCT 2019

For KND & ASSOCIATES
Chartered Accountants
FRN. : 112180W


(KAILAS KEJGIR)
Partner

Mem. No. 100187
UDIN : 19100187AAAACO4419

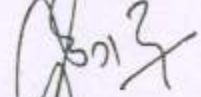
**Janata Shikshan Prasarak Mandal's,
BABASAHEB NAIK COLLEGE OF ENGINEERING, PG COURSE, PUSAD.
Balance Sheet Dated 31/03/2019**

Funds & Liabilities	Amount	Amount	Property & Assets	Amount	Amount
Advances :		65014950.00	Fixed Assets :		24309.00
JSPM	504000.00		Equipments	6403.00	
BNCE, Pusad	64343170.00		Library Books	17906.00	
Prov. Admission Fee	167780.00				
Deposits :		334671.00	Loan & Advances :		3583452.00
Cautions Money	312000.00		Outstanding Fees	3483997.00	
Temperory Deposits	21371.00		GOI Scholarship	95455.00	
Univ. fee	1200.00		DTE	4000.00	
Interim fee	100.00				
			Income & Exp. A/c :		61001368.00
			Upto 2017-18	48551181.00	
			Deficit for the year (+)	12450187.00	
			Closing Balance :		740492.00
			Cash-in-hand	59617.00	
			SBI Saving A/c (31435428726)	134615.00	
			SBI FDR A/C	539866.00	
			SBI GATE Sch.(31796849785)	3145.00	
			SBI Current A/c (36052162261)	1624.50	
			SBI GATE Sch. Current (36051709	1624.50	
TOTAL	65349621.00	65349621.00	TOTAL	65349621.00	65349621.00

As per our Report of even date attached

**For KND & ASSOCIATES
Chartered Accountants**

F R N: 112180W



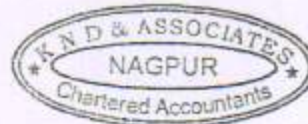
(KAILAS KEJGIR)

Partner

Mem.No:-100187

UDIN : 19100187AAAACO4419

NAGPUR



PRINCIPAL

DATED

PUSAD

44 OCT 2019

President

(President)

PUSAD

Principal

PUSAD

Janata Shikshan Prasarak Mandal's,
BABASAHEB NAIK COLLEGE OF ENGINEERING, P.G. COURSE, PUSAD.
Income & Expenditure Account for the period 01/04/2018 to 31/03/2019.

Expenditure	Amount		Income	Amount	Amount
SALARY EXPENSES :		13566182.00	INCOME :		1165768.00
Salary To Staff :	13411026.00		Income from Fees	1017126.00	
A) Teaching Staff			Other Income	4056.00	
PF College Contribution :	136800.00		Other Receipts	144586.00	
A) Teaching Staff					
PF Administrative Expenses:	18356.00				
A) Teaching Staff					
NON-SALARY EXPENSES :		42674.00			
Bank Commission	6254.00				
Govt Fees	36420.00				
DEPRECIATION :		7099.00	INCOME & EXP. :		12450187.00
For the financial year 2018-19	7099.00		Deficit for the year	12450187.00	
Total:	13615955.00	13615955.00	Total:	13615955.00	13615955.00


As per our Report of even date attached

For KND & ASSOCIATES

Chartered Accountants

F R N:-112180W

Sd
 President
 (President) Janata Shikshan Prasarak Mandal
 PUSAD

NAGPUR

 PRINCIPAL
 Babasaheb Naik College of Engg
 PUSAD



14 OCT 2019

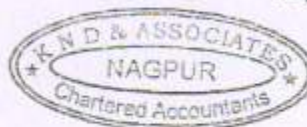
Kailas
 (KAILAS KEJGIR)
 Partner
 Mem.No:-100187
 UDIN : 19100187AAAAACO4419

Janata Shikshan Prasarak Mandal's,
BABASAHEB NAIK COLLEGE OF ENGINEERING, PG COURSE PUSAD.
Receipt & Payment Account for the period from 01-04-2018 to 31-03-2019.

Receipts	Amount	Amount	Payments	Amount	Amount
Income From Fees :		1017126.00	Salary Expenses :		13411026.00
Tution Fee	885943.00		A Teaching Staff	13411026.00	
Dev. Fee	131183.00		PF College Contribution :		136800.00
Other Income :		4056.00	A Teaching Staff	136800.00	
Fine	275.00		PF Administrative Charges :		18356.00
Student Insurance	1638.00		A Teaching Staff	18356.00	
Misc. Receipts	2143.00		PF Administrative Expenses :		42674.00
Other Receipts :		144586.00	Bank Charges	6254.00	
Interest from bank	144586.00		Fee Regulating Authority	36420.00	
Fixed Assets :		7099.00	Depreciation :		7099.00
Equipments	1130.00		Equipments	1130.00	
Library Books	5969.00		Library Books	5969.00	
Deposits :		15068.00	Deposits :		28000.00
Caution Money	14000.00		Caution Money	28000.00	
Deposits	1068.00		Loan & Advances :		2139204.00
Loan & Advances :		14786248.00	BNCE, Pusad	1133850.00	
BNCE, Pusad	13763927.00		Prov. Admn. Fee	48000.00	
Provisional Admission Fee	43100.00		Outstanding fee	750529.00	
Outstanding Fee	928821.00		Scrutiny Fee	4215.00	
PECAA	800.00		Interim Fee	49500.00	
Interim Fee	49600.00		PECAA	7200.00	
University Fees :		6800.00	University Fee	16515.00	
University Fee	5300.00		Examination Fee	125395.00	
Examination Fee	1500.00		DTE	4000.00	
Opening Balance :		542668.00	Closing Balance :		740492.00
Cash-in-hand	125.00		Cash-in-hand	59617.00	
SBI Saving A/c (31435428726)	130121.00		SBI Saving A/c (31435428726)	134615.00	
SBI FDR A/C	400000.00		SBI FDR A/C	539866.00	
SBI GATE Sch.(31796849785)	3155.00		SBI GATE Sch.(31796849785)	3145.00	
SBI Current A/c(36052162261)	4633.50		SBI Current A/c(36052162261)	1624.50	
SBI GATE Sch. Current (36051709)	4633.50		SBI GATE Sch. Current (36051709)	1624.50	
Total "A"	16523651.00	16523651.00	Total "A"	16523651.00	16523651.00

As per our Report of even date attached

For **KND & ASSOCIATES**
Chartered Accountants
F R N - 112180W



(KAILAS KEJGIR)
Partner

Mem.No:-100187

UDIN : 19100187AAAACO4419

President

(President) Janata Shikshan Prasarak Mandal,
PUSAD

PRINCIPAL

Babasaheb Naik College of Engg
PUSAD

14 OCT 2019

Janata Shikshan Prasarak Mandal's,
BABASAHEB NAIK COLLEGE OF ENGINEERING, PG COURSE PUSAD.

Statement of Depreciation for the year 2018-19 :

Sr. No.	Particulars	Rate of Dep.	Opening WDV Dt. 01/04/2018	Purchases up to Apr'18 to Sept.'18	Total	Depreciation (100%)	Purchase Oct'18 to Mar'19	Depreciation (50%)	Total Depreciation	Closing WDV Dt. 31/03/2019
[A]	Fixed Assets :-									
1	Equipments	15%	7533.00	0.00	7533.00	1130.00	0.00	0.00	1130.00	6403.00
2	Library Books	25%	23875.00	0.00	23875.00	5969.00	0.00	0.00	5969.00	17906.00
	Total "E"		31408.00	0.00	31408.00	7099.00	0.00	0.00	7099.00	24309.00



BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD

ANNEXURE - 'B': SIGNIFICANT ACCOUNTING POLICIES AND NOTES TO FINANCIAL STATEMENTS

1. Institution Overview

The Institution was formed under Janata Shikshan Prasarak Mandal, a society registered under Societies Registration Act, 1860 with a view to impart education in Engineering to the students. The Institute is affiliated to Sant Gadgebaba Amravati University, Amravati.

2. Significant Accounting Policies

2.1 Basis of preparation of financial statements

The accompanying financial statements have been prepared under the historical cost convention, in accordance with Indian Generally Accepted Accounting Principles under the historical cost convention on the accrual basis, except where otherwise stated.

2.2 Revenue Recognition

Fees from students are accounted for on accrual basis as and when admission of the student is confirmed. Fees are charged as per norms fixed by the Shikshan Shulka Samittee.

2.3 Depreciation

Depreciation on Fixed Assets is calculated on written down value at the beginning of the year and their respective additions during the year at prescribed rates.

2.4 Fixed Assets

Fixed assets are valued at historical cost less depreciation. The historical cost includes the cost of acquisition and all the expenses incurred to bring the asset to the present location and condition.

2.5 Retirement Benefits

Gratuity Liability, which is a defined benefit scheme is provided for on the basis of an actuarial valuation made at the end of each financial year.

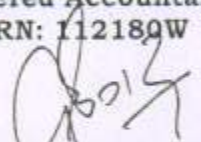
NAGPUR



DATED:

14 OCT 2019

For KND & ASSOCIATES
Chartered Accountants
FRN: 112189W


(KAILAS KEJGIR)
Partner

Mem. No. 100187
UDIN : 19100187AAAACO4419



FORM A-1

Audit report for fee proposal submitted to FEES REGULATING AUTHORITY, Maharashtra

1. I/We have examined the balance sheet as on 31/03/2020 and the income and expenditure account for the period beginning from 1 April 2019 to ending on 31st March 2020, attached herewith, of Babasaheb Naik College of Engineering, UG course Karla Road, Pusad.
2. I/We certify that the balance sheet and the income and expenditure account are in agreement with the books of accounts.
3. I/We confirm that the mercantile method of accounting is followed while preparing books of accounts and preparing income & expenditure account and balance sheet of the course as at 31st March 2020.
4.
 - (A) I/We have obtained all the information and explanations, which, to the best of my/our knowledge and belief, were necessary for the purpose of the audit.
 - (B) In my/our opinion, proper books of account have been kept by the institute so far as appears from my/our examination of the books.
 - (C) In my/our opinion and to the best of my/our information and according to the explanations given to me/us, the said accounts, read with notes thereon, if any, give a true and fair view :-
 - (i) In the case of balance sheet, of the state of the affairs of the course as at 31st March;

And
 - (ii) In the case of the income and expenditure account of the surplus/deficit of the course for the year ended on that date.
5. The statement of particulars required to be furnished to FRA relating to the course for which fees proposal is submitted annexed herewith as Form No. A-2
6. In my/our opinion and to the best of my/our information and according to explanations given to me/us the particulars given in the said Form No. A-2 are true and correct.

NAGPUR

DATED: 27/10/2020



For KND & ASSOCIATES
Chartered Accountants
FRN. : 112180W

(KAILAS KEJGIR)
Partner

Mem. No. 100187

UDIN : 20100187AAAABM1416

FORM No. A-2
Forming part of Audit Report under FORM No A-1

1. Code of the Institution for which the fees proposal is submitted : EN1117
2. Name of the Institution: Babasaheb Naik College of Engineering, Pusad.
3. Correspondence of Address of the Institution : Karla Road, Pusad-445215 (Yavatmal)
4. Location address of the college where the course is carried on : Pusad-445215
5. Academic year for which the fees proposal is submitted from 1st Jun 2019 to 31st May 2020.
6. Relevant Financial Year 2019-20.
7. Break of the Annual Salary expenditure into :

Total Salary as per I&E Account	Rs.
Teaching Salary	8,05,05,018=00
Arrears of Teaching Salary for earlier financial years	00=00
Non-Teaching Salary	4,81,22,661=00
Arrears of Non-Teaching Salary for earlier financial years	00=00
Visiting and Guest Lecture remuneration	1,85,700=00

8. Mode of Payment of Salary

Teaching Salary as mentioned above	Total Rs.
Paid by Bank Transfer during the year	00=00
Paid by Account Payee cross cheque	00=00
Paid in Cash	00=00
Provision at the end of the Financial Year	8,05,05,018=00

8.1

Non-Teaching Salary as mentioned above	Total Rs.
Paid by Bank Transfer during the year	00=00
Paid by Account Payee cross cheque	00=00
Paid in Cash	00=00
Provision at the end of the Financial Year	4,81,22,661=00

8.2

Visiting and Guest lecture Salary as mentioned above	1,85,700=00
Paid by bank Transfer during the year	00=00
Paid by Account Payee cross cheque	1,85,700=00
Paid in Cash	00=00
Provision at the end of the Financial Year	00=00

9. Teaching staff and status of their approval from the University / Council as upto the end of the related Financial Year.



Total No. of Teaching staff of which salary reflected in the I&E Account for the related financial year	68
Approved Teaching Staff	48
Unapproved Teaching Staff	20

10. Depreciation of computation as per Fees Regulating Authority norms :
Rate of Depreciation for the Financial Year 2019-20

Computer	25%
Books	25%
Plant & Machinery (Definition as per Income Tax Act, 1969)	15%
Furniture & fixtures (Definition as per Income Tax Act, 1969)	15%

Depreciation computation as per FRA

Opening Balance	Additions	Deletions /Sales	Depreciation for the year	Closing Balance (WDV)
Computer	2813709.36	9800	0	2118857.36
Books	949516.66	905074	0	1390942.66
Plant & Machinery	22262889.22	232196	0	19129236.22
Furniture & Fixures	6970126.47	281123	0	6171188.47

11. Capital expenditure and deferred revenue expenditure debited to Income and Expenditure Account.

Expenditure head	Nature of Expenditure (mention details)	Amount Rs.
Nil	N.A.	00.00

12. Break of the University / Council / Approved Authority Affiliation fee

Amount of Affiliation fee as per I&E account	Rs. 1,50,000=00
Name of the University / Council / Approval Authority	Sant Gadge Baba Amravati University, Amravati
No. of Years for which the Affiliation fee paid	1 (One)
Amount of Prepaid Affiliation fee i.e. fees paid for subsequent financial years	Nil



13. Sanctioned Strength of the Students by the approving Authority. Please note that the information is required not of the actual no. of students who have taken admission but sanction strength (Please mention branch wise details within the course).

Name of the Course / Branch	Sanctioned no. of students for Academic Year 2019-20	Additional permitted for Academic Year 2020-21	Sanctioned no. of students for Academic Year 2020-21
BE Civil Engg.	120	12	120
BE Mechanical Engg.	60	6	60
BE Electronics and Telecomm. Engg.	30	3	00
BE Computer Science and Engg.	60	6	60
BE Electrical (Electronics and Power) Engg.	60	6	60
Artificial Intelligence and Data Science	0	0	60





FORM A-1

Audit report for fee proposal submitted to FEES REGULATING AUTHORITY, Maharashtra

1. I/We have examined the balance sheet as on 31/03/2020 and the income and expenditure account for the period beginning from 1 April 2019 to ending on 31st March 2020, attached herewith, of Babasaheb Naik College of Engineering, PG Course, Karla Road, Pusad.
2. I/We certify that the balance sheet and the income and expenditure account are in agreement with the books of accounts.
3. I/We confirm that the mercantile method of accounting is followed while preparing books of accounts and preparing income & expenditure account and balance sheet of the course as at 31st March 2020.
4.
 - (A) I/We have obtained all the information and explanations, which, to the best of my/our knowledge and belief, were necessary for the purpose of the audit.
 - (B) In my/our opinion, proper books of account have been kept by the institute so far as appears from my/our examination of the books.
 - (C) In my/our opinion and to the best of my/our information and according to the explanations given to me/us, the said accounts, read with notes thereon, if any, give a true and fair view :-
 - (i) In the case of balance sheet, of the state of the affairs of the course as at 31st March;
 - And**
 - (ii) In the case of the income and expenditure account of the surplus/deficit of the course for the year ended on that date.
5. The statement of particulars required to be furnished to FRA relating to the course for which fees proposal is submitted annexed herewith as Form No. A-2
6. In my/our opinion and to the best of my/our information and according to explanations given to me/us the particulars given in the said Form No. A-2 are true and correct.

NAGPUR

DATED: 27/10/2020



For KND & ASSOCIATES
Chartered Accountants

FRN. : 112180W

(KAILAS MEJGIR)

Partner

Mem. No. 100187

UDIN : 20100187AAAABN2766

FORM No. A-2
Forming part of Audit Report under FORM No A-1

1. Code of the Institution for which the fees proposal is submitted : EN1117
2. Name of the Institution: Babasaheb Naik College of Engineering, PG Course, Pusad.
3. Correspondence of Address of the Institution : Karla Road, Pusad-445215 (Yavatmal)
4. Location address of the college where the course is carried on : Pusad-445215
5. Academic year for which the fees proposal is submitted from 1st Jun 2019 to 31st May 2020.
6. Relevant Financial Year 2019-20.
7. Break of the Annual Salary expenditure into :

Total Salary as per I&E Account	Rs.
Teaching Salary	1,32,56,154=00
Arrears of Teaching Salary for earlier financial years	00=00
Non-Teaching Salary	00=00
Arrears of Non-Teaching Salary for earlier financial years	00=00
Visiting and Guest Lecture remuneration	00=00

8. Mode of Payment of Salary

Teaching Salary as mentioned above	Total Rs.
Paid by Bank Transfer during the year	00=00
Paid by Account Payee cross cheque	00=00
Paid in Cash	00=00
Provision at the end of the Financial Year	1,32,56,154=00

8.1

Non-Teaching Salary as mentioned above	Total Rs.
Paid by Bank Transfer during the year	00=00
Paid by Account Payee cross cheque	00=00
Paid in Cash	00=00
Provision at the end of the Financial Year	00=00

8.2

Visiting and Guest lecture Salary as mentioned above	00=00
Paid by bank Transfer during the year	00=00
Paid by Account Payee cross cheque	00=00
Paid in Cash	00=00
Provision at the end of the Financial Year	00=00



9. Teaching staff and status of their approval from the University / Council as upto the end of the related Financial Year.

Total No. of Teaching staff of which salary reflected in the I&E Account for the related financial year	07
Approved Teaching Staff	07
Unapproved Teaching Staff	00

10. Depreciation of computation as per Fees Regulating Authority norms :
Rate of Depreciation for the Financial Year 2019-20

Computer	25%
Books	25%
Plant & Machinery (Definition as per Income Tax Act, 1969)	15%
Furniture & fixtures (Definition as per Income Tax Act, 1969)	15%

Depreciation computation as per FRA

Opening Balance	Additions	Deletions /Sales	Depreciation for the year	Closing Balance (WDV)
Computer	0	0	0	0
Books	17906	0	4477	13429
Plant & Machinery	6403	0	960	5443
Furniture & Fixures	0	0	0	0

11. Capital expenditure and deferred revenue expenditure debited to Income and Expenditure Account:

Expenditure head	Nature of Expenditure (mention details)	Amount Rs.
Nil	N.A.	00.00

12. Break of the University / Council / Approved Authority Affiliation fee

Amount of Affiliation fee as per I&E account	Rs. NIL
Name of the University / Council / Approval Authority	N.A.
No. of Years for which the Affiliation fee paid	N.A.
Amount of Prepaid Affiliation fee i.e. fees paid for subsequent financial years	Nil



13. Sanctioned Strength of the Students by the approving Authority. Please note that the information is required not of the actual no. of students who have taken admission but sanction strength (Please mention branch wise details within the course).

Name of the Course / Branch	Sanctioned no. of students for Academic Year 2019-20	Additional permitted for Academic Year 2020-21	Sanctioned no. of students for Academic Year 2020-21
ME Structure Engineering	18	0	18
ME Digital Electronics	18	0	18
ME CAD CAM	18	0	18
ME Computer Science Engg.	18	0	18





AUDIT REPORT

We have examined the Balance Sheet of Janta Shikshan Prasarak Mandal's Babasaheb Naik College Of Engineering, Pusad as at 31st March, 2021 and Income & Expenditure Account for the year ended on that date which is in agreement with the books of account maintained.

We have obtained all the information and explanations, which to the best of our knowledge and belief, were necessary for the purposes of the audit. In our opinion, proper books of accounts have been kept by the institution aforesaid visited by us so far as appears from our examination of books, subject to the comments given below :-

NIL

In our opinion and to the best of our information and according to the explanations given to us, the said accounts give a true and fair view :-

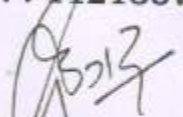
- (i) In case of Balance Sheet, of the State of Affairs of the above-named institution as at 31st March, 2021.
- (ii) In the case of Income & Expenditure Account, of the Surplus/Deficit of the Institution for the year ended on that date.

NAGPUR



DATED: 08/10/2021

**For KND & ASSOCIATES
Chartered Accountants
FRN. : 112180W**


**(KAILAS KEJGIR)
Partner**

Mem. No. 100187

UDIN : 21100187AAAAFI2212

Janata Shikshan Prasarak Mandal's,
BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD.
 Balance Sheet Dated 31/03/2021

Funds & Liabilities	Amount	Amount	Property & Assets	Amount	Amount
Consultancy Dev. Fund	24,75,323.66	24,75,323.66	Fixed Assets		2,41,48,683.71
Development Fund:	4,60,34,660.00	4,60,34,660.00	Furniture	52,50,411.47	
Gratuity Fund		7,70,55,596.30	Plant & Machinery	1,62,59,850.22	
Up to 2019-20	9,49,38,103.00		Computers	15,89,143.36	
Add For the year 2020-21	57,14,066.30		Library	10,49,278.66	
Less Gratuity Claims	2,35,96,573.00				
Deposits :-		1,00,33,796.00	Loan & Advances		18,97,85,827.71
Caution Money Deposit	71,37,120.00		Outstanding Fees	8,80,58,380.75	
Temporary Deposits	28,96,676.00		General Advance	4,53,228.00	
Other Liabilities :-		41,60,25,357.29	Festival Advance	2,20,000.00	
JSPM	5,04,73,547.29		Pay Advance	15,51,052.00	
PECAA	17,16,951.00		Univ. Exam. Advance	1,34,909.18	
Student Welfare Fund	25,18,333.00		SBI ATM	4,250.00	
Suspense A/c	3,02,040.00		BOM ATM	1,36,245.00	
DTE	7,400.00		J.S.P.M.'s Hostel	93,56,448.14	
Unpaid Salary	30,95,70,378.00		Hostel No. 4	5,03,191.00	
Unpaid DA Arrears	3,12,63,094.00		Polytechnic	42,18,310.14	
Unpaid Leave Encashment	20,70,870.00		N.S.S. Unit	1,86,580.00	
University fees	1,09,681.00		ME Course	8,41,98,635.50	
Provisional Admission Fee	11,65,629.00		Bank Loan	3,03,509.00	
GOI Scholarship	94,64,365.50		Credit Society	4,21,399.00	
Social Welfare Deptt.	68,86,819.75		Quarter Rent	39,690.00	
ENCICO Co-op. Stores	7,968.00				
Interim Fee	25,000.00		Deposits:		5,40,845.00
EBC	34,334.75		M.S.E.B.	4,64,145.00	
Unnat Bharat Yojana	36,219.00		Telephone	46,700.00	
EPF (E)	3,58,709.00		Building Fund	30,000.00	
Professional Tax	14,018.00		Shares		1,000.00
			Akola Janata Comm. Bank	1,000.00	
			Group Gratuity Scheme		7,70,70,739.30
			With L.I.C.of India	7,70,70,739.30	
			Income & Exp. A/c		25,03,96,435.85
			As per last BalanceSheet	20,91,67,433.62	
			Deficit for the year (-)	4,93,86,712.63	
				81,57,710.40	
			Closing Balance:		96,81,201.68
			Cash-in-hand	1,202.00	
			Pety Cash a/c	1,01,741.00	
			Bank of Maharashtra	47,17,899.70	
			SBI Current A/c	7,78,525.45	
			SBI Fixed Deposit A/c	17,56,390.00	
			BOM Fixed Deposit A/c	10,50,000.00	
			FDR Bank of India	12,75,443.53	
TOTAL	55,16,24,733.25	55,16,24,733.25	TOTAL	55,16,24,733.25	55,16,24,733.25

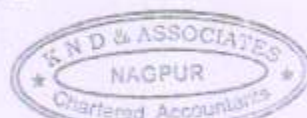
As per our Report of Even Date attached

For K N D & ASSOCIATES

Chartered Accountants

FRN : 112780W

NAGPUR



[Handwritten Signature]

(PRESIDENT)

(PRINCIPAL)

DATED: 08/10/2021

[KAILAS KEJGIR]

Partner

Mem. No. 100187

UDIN : 21100187AAAAF1212

President

Janata Shikshan Prasarak Mandal
 PUSAD

PRINCIPAL:

BABASAHEB NAIK COLLEGE OF
 ENGINEERING, PUSAD

Janata Shikshan Prasarak Mandal's,
BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD.
 Income & Expenditure Account for the period 01/04/2020 to 31/03/2021.

Expenditure	Amount	Amount	Income	Amount	Amount
SALARY EXPENSES :-			Income from Fees		6,38,64,190.00
Salary to Staff :-		9,35,48,858.00	Tuition Fee	5,83,83,353.00	
A) Teaching Staff	6,05,94,522.00		Dev. Fee	54,80,837.00	
B) Non-Teach. Staff	3,29,54,336.00				
PF College Contribution		22,26,221.00	Other Income:		1,81,515.00
A) Teaching Staff	7,10,743.00		Breakage Fee	29,238.00	
B) Non-Teaching Staff	15,15,478.00		Fine & Penalties	7,925.00	
PF Administrative Charges		2,18,545.00	Sale of Prospectus	500.00	
A) Teaching Staff	70,294.00		Admission Cancellation Fees	3,000.00	
B) Non-Teaching Staff	1,48,251.00		Student Insurance	61,352.00	
PAYMENT OF GRATUITY :		2,33,46,573.00	Laboratory Fees	78,000.00	
A) Teaching Staff :	56,79,095.00		Certificate Course Fee	1,500.00	
B) Non-Teaching Staff :	1,76,67,478.00				
Leave Encashment :		4,52,240.00	Other Receipts :		2,39,235.25
To Non Teaching staff	4,52,240.00		Scrap Material	11,610.00	
VISITING FACULTIES	1,29,072.00	1,29,072.00	Misc. Receipts	69,313.25	
NON-SALARY EXPENSES :-		66,74,093.88	Recovery of Pay	1,50,000.00	
Administrative expenses	28,31,969.30		Xerox Receipts	8,312.00	
Annual Gathering	1,95,061.00		GROUP GRATUITY SCHEME:		2,35,96,573.00
Training & Placement	1,00,019.00		Claims from LIC of India	2,35,96,573.00	
Student Programmes	6,597.00				
Games & Sports Activities	26,041.00				
Alumni Expenses	26,160.00				
Conference & Seminars	3,66,880.00				
Student Related Expenses	12,29,901.00				
Library expenses	37,786.00				
Maintenance	7,13,655.00				
Communication	6,18,687.58				
Lab. Material	5,21,339.00				
Other Expenses :		59,98,840.00			
Professional fees	25,000.00				
Usage charges for building	59,73,840.00				
DEPREATION :-		46,73,781.00	Income & Exp.		4,93,86,712.63
For the F.Y. 2020-21	46,73,781.00		Deficit for the year	4,93,86,712.63	
Total:	13,72,68,225.88	13,72,68,225.88	Total:	13,72,68,225.88	13,72,68,225.88

As per our Report of Even Date attached

NAGPUR



For K N D & ASSOCIATES

Chartered Accountants

FRN : 112/80W

[KAMAS KIJGIR]

Partner

Mem. No. 100487

UDIN : 21100187AAAAAF2212

(PRESIDENT) (PRINCIPAL)

DATED: 08/10/2021

President
 Janata Shikshan Prasarak Mandal
 PUSAD

PRINCIPAL
 BABASAHEB NAIK COLLEGE OF
 ENGINEERING, PUSAD

Janata Shikshan Prasarak Mandali's,
BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD.
RECEIPT & PAYMENTS FOR THE PERIOD FROM 01-04-2020 TO 31-03-2021.

Receipts	Amount	Amount	Payments	Amount	Amount
INCOME FROM FEES :		6,38,64,190.00	SALARY EXPENSES :		9,35,48,858.00
Tuition Fee	5,83,83,353.00		A) Teaching Staff	6,05,94,522.00	
Dev. Fee	54,80,837.00		B) Non-Teach. Staff	3,29,54,336.00	
OTHER INCOME :		1,81,515.00	PF COLLEGE CONTRIBUTION		22,26,221.00
Breakage Fee	29,238.00		A) Teaching Staff :	7,10,743.00	
Fine & Penalties	7,925.00		B) Non-Teaching Staff :	15,15,478.00	
Sale of Prospectus	500.00		PF ADMINISTRATIVE CH.		2,18,545.00
Admission Cancellation Fees	3,000.00		A) Teaching Staff :	70,294.00	
Student Insurance	61,352.00		B) Non-Teaching Staff :	1,48,251.00	
Laboratory Fees	78,000.00		PAYMENT OF GRATUITY :		2,33,46,573.00
Certificate Course Fee	1,500.00		A) Teaching Staff :	56,79,095.00	
OTHER RECEIPTS :		2,39,235.25	B) Non-Teaching Staff :	1,76,67,478.00	
Scraps Material	11,610.00		LEAVE ENCASHMENT		4,52,240.00
Misc.Receipts	69,313.25		1) Non Teaching	4,52,240.00	
Recovery of Pay	1,50,000.00		VISITING FACULTIES :		1,29,072.00
Xerox Receipts	8,312.00			1,29,072.00	
GROUP GRATUITY SCHEME:		2,35,96,573.00	NON-SALARY EXPENSES :		28,31,969.30
Claims from LIC of India	2,35,96,573.00		ADMINISTRATIVE EXPENSES :		
			Univ. Affiliation fee	6,00,000.00	
			Audit fee	77,880.00	
			Bank Charges	6,907.30	
			Printing & Stationery	67,191.00	
			Electricity Charges	19,86,609.00	
			Water Expenses	9,520.00	
			Life Cover Premium	83,862.00	
			ANNUAL GATHERING :		1,95,061.00
			Annual Gathering	1,95,061.00	
			TRAINING & PLACEMENT		1,00,019.00
				1,00,019.00	
			STUDENT PROGRAMMES :		6,597.00
			Student Programmes	6,597.00	
			GAMES & SPORTS ACTIVITIES		26,041.00
			Sports Activities	26,041.00	
			ALUMNI EXPENSES :		26,160.00
			Alumni Meet	26,160.00	

Janata Shikshan Prasarak Mandal's,
BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD.
RECEIPT & PAYMENTS FOR THE PERIOD FROM 01-04-2020 TO 31-03-2021.

Receipts	Amount	Amount	Payments	Amount	Amount
			CONFERENCE & SEMINARS:		3,66,880.00
			Faculties	3,61,880.00	
			Student	5,000.00	
			STUDENT RELATED EXPENSES:		12,29,901.00
			Office expenses	38,499.00	
			University Expenses	1,23,932.00	
			Transportation	3,350.00	
			Misc. Expenses	2,40,590.00	
			Student Dev. Activities	8,23,530.00	
			LIBRARY EXPENSES :		37,786.00
			Library Journals	2,816.00	
			Library Maintenance	34,970.00	
			MAINTENANCE :		7,13,655.00
			Repairs	45,971.00	
			General Repairs & Maintenance	6,05,634.00	
			Electrical Maintenance	62,050.00	
			COMMUNICATION :		6,18,687.58
			Internet	5,21,053.00	
			Telephone	87,634.58	
			Postage	10,000.00	
			LAB. MATERIAL :		5,21,339.00
			Civil Deptt	26,919.00	
			Electronics Deptt.	1,704.00	
			Computer Deptt.	55,000.00	
			Chemistry Deptt.	39,026.00	
			Workshop Deptt.	8,450.00	
			Softwares	3,90,240.00	
			PROFESSIONAL FEES		25,000.00
			Legal Expenses	25,000.00	
			* USAGE CHARGES FOR BUILDINGS		59,73,840.00
			[For the year 2020-21]	59,73,840.00	
			DEPRECIATION :		46,73,781.00
			[For the year 2019-20]	46,73,781.00	
Total "A"	8,78,81,513.25	8,78,81,513.25	Total "A"	13,72,68,225.88	13,72,68,225.88
FIXED ASSETS :		46,73,781.00	FURNITURE & VEHICLE :		5,300.00
Furniture & Vehicle	9,26,077.00		Furniture	5,300.00	
Plant & Machinery	28,69,386.00				
Computers	5,29,714.00		LIBRARY BOOKS :		6,940.00
Library	3,48,604.00			6,940.00	
GRATUITY FUND :		57,14,066.30			

Janata Shikshan Prasarak Mandal's,
BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD.
RECEIPT & PAYMENTS FOR THE PERIOD FROM 01-04-2020 TO 31-03-2021.

Receipts	Amount	Amount	Payments	Amount	Amount
Against Interest from LIC	57,14,066.30				
INCOME & EXPENSES A/C		81,57,710.40	GROUP GRATUITY SCHEME:		57,29,209.30
	81,57,710.40		Interest from LIC	57,14,066.30	
			Premium for 2020-21	15,143.00	
Total "B"	10,64,27,070.95	10,64,27,070.95	Total "B"	14,30,09,675.18	14,30,09,675.18
LOAN & ADVANCES :		16,44,78,432.55	LOAN & ADVANCES :		14,29,21,746.45
General Advance	10,11,840.00		General Advance	4,24,646.00	
Pay Advance	5,95,710.00		Pay Advance	4,85,401.00	
Festival Advance	2,50,000.00		Consultancy	36,585.00	
Consultancy	90,310.00		Caution Money Deposit	4,80,100.00	
Univ. Examination a/c	1,16,986.00		Provisional Admn. Fee	44,60,505.25	
Caution Money Deposit	5,66,000.00		Interaim Fee	18,28,967.00	
Provisional Admn. Fee	36,21,954.75		Temporery Deposit	4,19,727.50	
Interaim Fee	17,19,320.00		Unpaid Salary	3,33,25,129.00	
Temporery Deposit	8,04,579.50		J.S.P.M.	10,00,000.00	
Unpaid Salary	9,45,39,442.00		Unpaid Leave Encashment	2,82,861.00	
J.S.P.M.	64,77,840.00		J.S.P.M.'s Hostel	1,47,222.00	
NSS Unit	23,820.00		Hostel; No. 4	8,943.00	
Outstanding Fees	2,01,60,646.00		Outstanding Fees	5,97,88,281.00	
Fee Arrears	16,215.00		GSLI Claims	11,56,782.00	
DTE	4,300.00		Social Welfare Deptt	1,90,40,657.95	
PECAA	1,47,000.00		ME Course	1,15,39,296.00	
GSLI Claims	10,51,624.00		SBI ATM	32,882.00	
Social Welfare Deptt	2,59,27,477.70		BOM ATM	41,473.00	
ME Course	40,14,179.00		EBC	1,818.75	
SBI ATM	29,151.00		PMKVY	5,81,706.00	
Unnat Bharat	1,750.00		Unnat Bharat Yojana	1,750.00	
EBC	6,668.00		Library Deposit	6,045.00	
Distance Education	3,68,239.00		Unpaid Gratuity	1,42,723.00	
Personal Loan	4,70,000.00		Fee Deposit	15,89,864.00	
General Advance (Suppliar)	92,750.00		Fee Refundable	3,08,228.00	
ShriP.T. Tathod /V.K. Ade A/	23,70,630.60		Sundry Creditors	3,928.00	
			Scrutiny fee	6,365.00	
			AICTE Grant	45,30,860.00	
			UGC Grant	12,49,000.00	
UNIVERSITY FEES :		2,82,799.00	UNIVERSITY FEES :		40,58,446.00
University Fees:	2,71,999.00		University Fees:	15,70,475.00	
Examination Fee	10,800.00		Examination Fee	24,87,971.00	
STAFF CONTRIBUTIONS :		1,69,40,201.00	STAFF CONTRIBUTIONS :		77,39,535.00
E.P.F.	77,51,134.00		E.P.F.	23,29,721.00	
Income Tax	8,31,138.00		Income Tax	8,96,795.00	
Professional Tax	10,08,300.00		Professional Tax	3,55,314.00	
L.I.C. Premium	50,78,134.00		L.I.C. Premium	15,30,919.00	
Group Insurance	6,67,185.00		Group Insurance	2,10,028.00	
Bank Loan	6,72,730.00		Bank Loan	9,76,239.00	
Credit Society	8,46,526.00		Credit Society	12,67,925.00	
Quarter Rent	84,630.00		Quarter Rent	1,72,170.00	

Janata Shikshan Prasarak Mandal's,
BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD.
RECEIPT & PAYMENTS FOR THE PERIOD FROM 01-04-2020 TO 31-03-2021.

Receipts	Amount	Amount	Payments	Amount	Amount
Rev. Stamps	424.00		Rev. Stamps	424.00	
OPENING BALANCE :		1,92,82,100.81	CLOSING BALANCE :		96,81,201.68
Cash-in-hand	10.00		Cash-in-hand	1,202.00	
Pety Cash a/c	2,765.00		Pety Cash a/c	1,01,741.00	
Bank of Mah. (6006507835)	1,46,03,712.78		Bank of Mah. (60065078351)	47,17,899.70	
SBI Current A/c (36051065701)	9,92,180.50		SBI Current A/c (36051065701)	7,78,525.45	
SBI Fixed Deposit A/c	17,56,390.00		SBI Fixed Deposit A/c	17,56,390.00	
BOM Fixed Deposit A/c	6,00,000.00		BOM Fixed Deposit A/c	10,50,000.00	
FDR Bank of India	12,75,443.53		FDR Bank of India	12,75,443.53	
Adarsha Mahila Patsanstha	51,599.00				
Grand Total :-	30,74,10,604.31	30,74,10,604.31	Grand Total :-	30,74,10,604.31	30,74,10,604.31

As per our Report of Even Date attached
 For K N D & ASSOCIATES



DATED: 08/10/2021

Chartered Accountants
 FRN. : 1112180W

[Signature]

[KAILAS KEJGIR]
 Partner

Mem. No. 180187
 UDIN : 21100187AAAAFI2212

(PRESIDENT) (PRINCIPAL)

President
 Janata Shikshan Prasarak Mandal
 PUSAD

PRINCIPAL
 BABASAHEB NAIK COLLEGE OF
 ENGINEERING, PUSAD

Babasaheb Naik College of Engineering, Pusad.
STATEMENT OF DEPRECIATION FOR THE YEAR 2020-21

Sr. No.	Particulars	Rate of Dep.	Opening WDV (01/04/2020)	Purchases up to Apr'20 to Sept.'20	Total	Depreciation (100%)	Purchase Oct'20 to Mar'21	Depreciation (50%)	Total Depreciation	Closing WDV (31/03/2021)
[A]	FIXED ASSETS :									
	Furniture :									
1	Furniture & Fixers	15%	6082730.77	0.00	6082730.77	912410.00	5300.00	398.00	912808.00	5175222.77
2	Fire Extinguishers	15%	18099.90	0.00	18099.90	2715.00	0.00	0.00	2715.00	15384.90
3	(Vschile) Ambulance	15%	70357.80	0.00	70357.80	10554.00	0.00	0.00	10554.00	59803.80
	Total "A"		6171188.47	0.00	6171188.47	925679.00	5300.00	398.00	926077.00	5250411.47
[B]	PLANT & MACHANARY :									
1	Civil	15%	2257136.13	0.00	2257136.13	338570.00	0.00	0.00	338570.00	1918566.13
2	Mechanical	15%	2427014.33	0.00	2427014.33	364052.00	0.00	0.00	364052.00	2062962.33
3	Workshop	15%	2577973.86	0.00	2577973.86	386696.00	0.00	0.00	386696.00	2191277.86
4	Electronics	15%	7022490.06	0.00	7022490.06	1053374.00	0.00	0.00	1053374.00	5969116.06
5	Electrical	15%	366890.00	0.00	366890.00	55034.00	0.00	0.00	55034.00	311856.00
6	Physio	15%	128811.34	0.00	128811.34	19322.00	0.00	0.00	19322.00	109489.34
7	Chemistry	15%	173738.37	0.00	173738.37	26061.00	0.00	0.00	26061.00	147677.37
8	T & P Deptl.	15%	15808.80	0.00	15808.80	2371.00	0.00	0.00	2371.00	13437.80
9	Energy Park	15%	103314.70	0.00	103314.70	15497.00	0.00	0.00	15497.00	87817.70
10	Website	15%	25389.50	0.00	25389.50	3808.00	0.00	0.00	3808.00	21581.50
11	Substation	15%	43056.90	0.00	43056.90	6459.00	0.00	0.00	6459.00	36597.90
12	Mulligym	15%	29258.80	0.00	29258.80	4389.00	0.00	0.00	4389.00	24869.80
13	Language Lab.	15%	225921.70	0.00	225921.70	33888.00	0.00	0.00	33888.00	192033.70
14	810-Gas Plant	15%	18393.25	0.00	18393.25	2759.00	0.00	0.00	2759.00	15634.25
15	Electricity Express Feeder	15%	379391.60	0.00	379391.60	56909.00	0.00	0.00	56909.00	322482.60
16	Musical Equipments	15%	65772.90	0.00	65772.90	9866.00	0.00	0.00	9866.00	55906.90
17	Mathematics	15%	429.50	0.00	429.50	64.00	0.00	0.00	64.00	365.50
18	Equipments	15%	2234340.38	0.00	2234340.38	335151.00	0.00	0.00	335151.00	1899189.38
19	Library Equipments	15%	457494.00	0.00	457494.00	68624.00	0.00	0.00	68624.00	388870.00
20	Xerox Machine	15%	576610.10	0.00	576610.10	86492.00	0.00	0.00	86492.00	490118.10
	Total "B"		19129236.22	0.00	19129236.22	2869386.00	0.00	0.00	2869386.00	16259850.22
[C]	COMPUTERS :									
1	Computers:	25%	2111723.48	0.00	2111723.48	527931.00	0.00	0.00	527931.00	1583792.48
2	Computerisation	25%	7133.88	0.00	7133.88	1783.00	0.00	0.00	1783.00	5350.88
	Total "C"		2118857.36	0.00	2118857.36	529714.00	0.00	0.00	529714.00	1589143.36
[D]	LIBRARY :									
1	Library Books	25%	1390942.66	0.00	1390942.66	347736.00	6940.00	868.00	348604.00	1049278.66
	Total "D"		1390942.66	0.00	1390942.66	347736.00	6940.00	868.00	348604.00	1049278.66
	Total- (A+B+C+D)		28810224.71	0.00	28810224.71	4672515.00	12240.00	1266.00	4673781.00	24148683.71



BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD

ANNEXURE - 'B': SIGNIFICANT ACCOUNTING POLICIES AND NOTES TO FINANCIAL STATEMENTS

1. Institution Overview

The Institution was formed under Janata Shikshan Prasarak Mandal, a society registered under Societies Registration Act, 1860 with a view to impart education in Engineering to the students. The Institute is affiliated to Sant Gadgebaba Amravati University, Amravati.

2. Significant Accounting Policies

2.1 Basis of preparation of financial statements

The accompanying financial statements have been prepared under the historical cost convention, in accordance with Indian Generally Accepted Accounting Principles under the historical cost convention on the accrual basis, except where otherwise stated.

2.2 Revenue Recognition

Fees from students are accounted for on accrual basis as and when admission of the student is confirmed. Fees are charged as per norms fixed by the Shikshan Shulka Samittee.

2.3 Depreciation

Depreciation on Fixed Assets is calculated on written down value at the beginning of the year and their respective additions during the year at prescribed rates.

2.4 Fixed Assets

Fixed assets are valued at historical cost less depreciation. The historical cost includes the cost of acquisition and all the expenses incurred to bring the asset to the present location and condition.

2.5 Retirement Benefits

Gratuity Liability, which is a defined benefit scheme is provided for on the basis of an actuarial valuation made at the end of each financial year.

NAGPUR



DATED: 08/10/2021

**For KND & ASSOCIATES
Chartered Accountants
FRN: 112180W**

**(KAILAS KEJGIR)
Partner**

**Mem. No. 100187
UDIN : 21100187AAAAFI2212**



AUDIT REPORT

We have examined the Balance Sheet of Janta Shikshan Prasarak Mandal's Babasaheb Naik College Of Engineering, PG Course, Pusad as at 31st March, 2021 and Income & Expenditure Account for the year ended on that date which is in agreement with the books of account maintained.

We have obtained all the information and explanations, which to the best of our knowledge and belief, were necessary for the purposes of the audit. In our opinion, proper books of accounts have been kept by the institution aforesaid visited by us so far as appears from our examination of books, subject to the comments given below :-

NIL

In our opinion and to the best of our information and according to the explanations given to us, the said accounts give a true and fair view :-

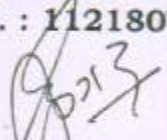
- (i) In case of Balance Sheet, of the State of Affairs of the above named institution as at 31st March, 2021.
- (ii) In the case of Income & Expenditure Account, of the Surplus/Deficit of the Institution for the year ended on that date.

NAGPUR



DATED: 08/10/2021

**For KND & ASSOCIATES
Chartered Accountants
FRN. : 112180W**


**(KAILAS KEJGIR)
Partner**

**Mem. No. 100187
UDIN : 21100187AAAAFH4366**

Janata Shikshan Prasarak Mandal's,
BABASAHEB NAIK COLLEGE OF ENGINEERING, PG COURSE, PUSAD.
 Balance Sheet As On 31/03/2021

Funds & Liabilities	Amount	Amount	Property & Assets	Amount	Amount
Loan & Advances		8,41,98,635.50	Fixed Assets		14,699.00
BNCE, Pusad	8,41,98,635.50		Equipments	4,627.00	
			Library Books	10,072.00	
			Income & Exp. A/c		8,36,44,070.50
			Upto 2019-20	7,41,56,071.50	
			Deficit for the year (+)	94,87,999.00	
			Closing Balance :		5,39,866.00
			SBI FDR A/C	5,39,866.00	
TOTAL	8,41,98,635.50	8,41,98,635.50	TOTAL	8,41,98,635.50	8,41,98,635.50

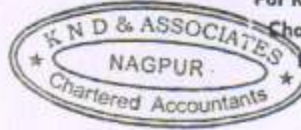
As per our Report of Even Date attached

For K N D & ASSOCIATES

Chartered Accountants

FRN : 112180W

NAGPUR



[KAILAS KEJGIR]

Partner

Mem. No. 100187

UDIN : 21100187AAAAFH4366

(PRESIDENT)

(PRINCIPAL)

DATED: 08/10/2021

President
 Janata Shikshan Prasarak Mandal
 PUSAD

PRINCIPAL
 BABASAHEB NAIK COLLEGE OF
 ENGINEERING, PUSAD

**Janata Shikshan Prasarak Mandal's,
BABASAHEB NAIK COLLEGE OF ENGINEERING, P.G. COURSE, PUSAD.
Income & Expenditure Account for the period 01/04/2020 to 31/03/2021**

Expenditure	Amount	Amount	Income	Amount	Amount
SALARY EXPENSES :-		99,20,410.00	INCOME :-		5,50,000.00
A) Teaching Staff	99,20,410.00		Income from Fees	5,50,000.00	
PF COLLEGE CONTR. :		1,03,500.00			
A) Teaching Staff	1,03,500.00				
PF ADMINISTRATIVE CH.		9,916.00			
A) Teaching Staff	9,916.00				
DEPREATION :-		4,173.00	Income & Expenses A/c		94,87,999.00
For the financial year 2020-21	4,173.00		Deficit for the year	94,87,999.00	
Total:	1,00,37,999.00	1,00,37,999.00	Total:	1,00,37,999.00	1,00,37,999.00

As per our Report of Even Date attached
For **K N D & ASSOCIATES**
Chartered Accountants
FRN. : 112180W

NAGPUR

K N D & ASSOCIATES
NAGPUR
Chartered Accountants

[KAILAS KEJGIR]
Partner
Mem. No. 100187
UDIN : 21100187AAAAFH4366

DATED: 08/10/2021

(PRESIDENT) (PRINCIPAL)

President
Janata Shikshan Prasarak Mandal
PUSAD

PRINCIPAL
BABASAHEB NAIK COLLEGE OF
ENGINEERING, PUSAD

Janata Shikshan Prasarak Mandal's,
BABASAHEB NAIK COLLEGE OF ENGINEERING, PG COURSE PUSAD.
 Receipt & Payment Account for the period from 01-04-2020 to 31-03-2021.

Receipts	Amount	Amount	Payments	Amount	Amount
Income from Fees :		5,50,000.00	Salary Expenses		99,20,410.00
Tuition Fee	5,50,000.00		A) Teaching Staff	99,20,410.00	
			PF College Contribution		1,03,500.00
			A) Teaching Staff	1,03,500.00	
			PF Administrative Charges		9,916.00
			A) Teaching Staff	9,916.00	
			Depreciation :-		4,173.00
			Equipments	816.00	
			Library Books	3,357.00	
TOTAL (A)	5,50,000.00	5,50,000.00	TOTAL (A)		1,00,37,999.00
Fixed Assets		4,173.00	Deposits :		3,47,371.00
Equipments	816.00		Caution Money	3,26,000.00	
Library Books	3,357.00		Deposits	21,371.00	
Loan & Advances :		1,42,02,037.00	Loan & Advances :		43,71,140.00
BNCE, Pusad	1,11,38,727.00		BNCE, Pusad	36,13,610.00	
Outstanding Fee	30,63,310.00		JSPM	5,04,000.00	
Opening Balance		5,40,166.00	Prov. Admission Fee	2,23,430.00	
Cash-in-hand	300.00		Interim Fee	30,100.00	
SBI FDR	5,39,866.00		Closing Balance :		5,39,866.00
			SBI FDR A/C	5,39,866.00	
Grand Total :	1,52,96,376.00	1,52,96,376.00	Grand Total :	52,58,377.00	1,52,96,376.00

NAGPUR



As per our Report of Even Date attached

For K N D & ASSOCIATES

Chartered Accountants

FRN. : 112180W

[KAILAS KEJGIR]

Partner

Mem. No. 100187

UDIN : 21100187AAAAFH4366

(PRESIDENT)

(PRINCIPAL)

DATED: 08/10/2021

President
 Janata Shikshan Prasarak Mandal
 PUSAD

Babasaheb Naik College of Engineering, PG Course Pusad.
Statement of Depreciation for the year 2020-21

Sr. No.	Particulars	Rate of Dep.	Opening WDV Dt. 01/04/2020	Purchases up to Apr'20 to Sept.'20	Total	Depreciation (100%)	Purchase Oct'20 to Mar'21	Depreciation (50%)	Total Depreciation	Closing WDV Dt. 31/03/2021
(A)	Fixed Assets									
1	Equipments	15%	5443.00	0.00	5443.00	816.00	0.00	0.00	816.00	4627.00
2	Library Books	25%	13429.00	0.00	13429.00	3357.00	0.00	0.00	3357.00	10072.00
	Total "E"		18872.00	0.00	18872.00	4173.00	0.00	0.00	4173.00	14699.00



JANATA SHIKSHAN PRASARAK MANDAL, PUSAD
BABASAHEB NAIK COLLEGE OF ENGINEERING (GOI SCHOLARSHIP)
RECEIPTS & PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2021

RECEIPT	AMOUNT	AMOUNT	PAYMENT	AMOUNT	AMOUNT
By, Opening Balance:			To, Payments:		
State Bank Saving A/c	1609173.85		Scholarships Paid		25696007.5
State Bank Current A/c	5928605.00	7537778.85	To, Bank Commission		649.00
By, Bank Interest		49430.00	To, Closing Balances:		
By, Receipts:			State Bank Saving A/c	1658603.85	
Scholarships Receipts		20152452.50	State Bank Current A/c	384401.00	2043004.85
Total :		27739661.35	Total :		27739661.35

NAGPUR



FOR K N D & ASSOCIATES
Chartered Accountants
F.R.N. : 112180W

(Handwritten Signature)

(KAILAS HEJGIR)
Partner

Mem. No. 100187

UDIN : 21100187AAAAFJ5354

(President)

(Principal)

DATE : 08/10/2021

President
Janata Shikshan Prasarak Mandal
PUSAD

(Handwritten Signature)
PRINCIPAL
BABASAHEB NAIK COLLEGE OF
ENGINEERING, PUSAD

(6)

BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD

**ANNEXURE - 'B': SIGNIFICANT ACCOUNTING POLICIES AND NOTES TO
FINANCIAL STATEMENTS**

1. Institution Overview

The Institution was formed under Janata Shikshan Prasarak Mandal, a society registered under Societies Registration Act, 1860 with a view to impart education in Engineering to the students. The Institute is affiliated to Sant Gadgebaba Amravati University, Amravati.

2. Significant Accounting Policies

2.1 Basis of preparation of financial statements

The accompanying financial statements have been prepared under the historical cost convention, in accordance with Indian Generally Accepted Accounting Principles under the historical cost convention on the accrual basis, except where otherwise stated.

2.2 Revenue Recognition

Fees from students are accounted for on accrual basis as and when admission of the student is confirmed. Fees are charged as per norms fixed by the Shikshan Shulka Samittee.

2.3 Depreciation

Depreciation on Fixed Assets is calculated on written down value at the beginning of the year and their respective additions during the year at prescribed rates.

2.4 Fixed Assets

Fixed assets are valued at historical cost less depreciation. The historical cost includes the cost of acquisition and all the expenses incurred to bring the asset to the present location and condition.

2.5 Retirement Benefits

Gratuity Liability, which is a defined benefit scheme is provided for on the basis of an actuarial valuation made at the end of each financial year.

NAGPUR



DATED: 08/10/2021

For KND & ASSOCIATES

Chartered Accountants

FRN: 112180W

(KAILAS KEJGIR)

Partner

Mem. No. 100187

UDIN : 21100187AAAAFH4366

20. Best Practices adopted if any

A. Session 2020-2021

BEST PRACTICE 1:

1. Title

Advanced programmes for aptitude development for students.

2. Objectives

Challenges due to brisk advances in Engineering have led Institute to develop well devised programmes for enhancing the aptitude of students by keeping least additional financial burden on the students.

The main objectives of the practice are:

- To improve employability skills of students.
- To help students prepare for better placements.
- To provide additional up-to-date inputs by inviting experts.
- To facilitate the students in attaining certification courses, undergo internships and in-plant trainings.

3. The Context

- Most of the students belong to tribal and backward area and are economically weak.
- Limited exposure to students due to lack of major adjoining industrial belt.
- Students are limited to the local vernacular language.
- A thorough plan was made by -
 - i. Identifying suitable programmes for different disciplines at appropriate levels.
 - ii. Incorporating additional time slots, infrastructure, equipment & facilities.
 - iii. Establishing a suitable feedback system.

4. The Practice

- Extensive training programmes are conducted for students from first to the last semester.
- MoU's on identified tracks beyond curriculum with Aptitude training agencies are signed.
- In-house initiatives have been equally trusted and updated.

- State - of - the art training facilities like language laboratory have been developed.
- The practices are managed at two levels.

A. Advance programmes by external Agencies-

- Engineering departments identify the needs and provide advanced technical programmes.
- While Training and placement department looks into advance interdisciplinary programmes.

B. In-house initiatives -

- Technical programmes at the department level by in-house experts.
- Personal counselling and CRT (common recruitment training)/soft skill training at central amenities.

Advanced programmes conducted at departments

1	Online Workshop on “ Employability Enrichment during and Post COVID-19”by Imag Equip Training & Consulting Gurgaon ,23/06/2020 to 24/06/2020
2	Webinar on “ HR Training & Interview Etiquettes”, Vision Unified Services,27/06/2020
3	Training programme on Python” by “Novisync Solutions India Pvt Ltd 11-9-28 Plot No 62 DASPALLA HILLS VISAKHAPATTAM AP 530002 March-2020 to December 2020.
4	Microsoft Artificial Intelligence, Class Room Series,Jan-2021 .. continued till date

Common advanced programmes organized through external agencies for aptitude development for students.

- | |
|--|
| <ol style="list-style-type: none">1. CRT -GD, PI, aptitude test training.2. Technical trainings |
|--|

In-house programmes for aptitude development for students.

CR T	Programme throughout the year for first year students to improve grammatical & spoken English. Verbal aptitude training, GD, PI etc., programmes common for all.
Soft Skill s	Business correspondence, Conflict management, Creative thinking, Decision making, Effective communication, Etiquettes, Presentation skills, Time management, Developing joint ventures, Negotiation skills, etc.

5. Evidence of Success

- These programmes have helped many students to get placed.
- The quality of student projects and number of students getting industrial project has improved.
- Students are motivated to participate in technical project contest and competitions organized by premier intuitions.

6. Problems Encountered and resources required

- Since all the students are made to attend the programmes, students are unable to manage with the regular curriculum.
- Adequate time management is necessary to balance the regular curriculum and additional programmes.
- The allocation of the lecture halls, auditorium and laboratories becomes quite challenging.
- There is a persistent need to purchase latest software and hardware to conduct the programmes.
- Identifying external agencies with suitable expertise and skill.

Supporting Documents

BEST PRACTICE 1

Advanced programmes for aptitude development for students during 2020-21

1. National level Online Workshop on Employment Enrichment during and post COVID-19 by Ms. Shruti Vyawahare Paraswar , Image Equip training & consulting, New Delhi in collaboration with Computer Science department, Babasaheb Naik college of Engineering, Pusad on 23 and 24 June 2020, 34 college students were benefitted.

Sample certificate –



2. National level Webinar on HR Training & Interview Etiquettes by Ms. Sanjana Jadhao Onkar , Vision United Services , Nagpur, in collaboration with Computer Science department, Babasaheb Naik college of Engineering, Pusad 27 .06 2020, 72 students of the college got certificate.

Certificate of Participation

This is to certify that

Shailesh Tulshiram Khandare

Has participated in Online National Level Webinar on "**HR Training & Interview Etiquettes**" Organized by *Department of Computer Science & Engineering, Babasaheb Naik College of Engineering, Pusad (Maharashtra)* held on 27th, June 2020.

Certificate ID: WZ3LII-CE000003



Sanjana Jadhao Onkar
Founder,
Vision Unified Services, Nagpur.



Dr. S. Y. Amdani
Coordinator,
Webinar



Dr. S. S. Asole
Convener & Head,
Dept. of Computer Sci. & Engg.



Dr. Avinash Wankhade
Principal,
B. N. College of Engg., Pusad

3. **Training on Python and Adobe illustrator** by Novisync Solutions India Pvt Ltd 11-9-28 Plot No 62 DASPALLA HILLS VISAKHAPATTAM AP 530002, from March 2020 to December 2020

Training contents

Adobe Illustrator (Ux Design-User Experience)

What you will learn:

1. Logo design
2. Banner
3. Background Images (For any application)
4. Flyer
5. Menu design
6. Vectors
7. Your own Design Sketching

Python certification course

What you will learn:

We cover a wide variety of topics, including:

1. Command Line Basics
2. Installing Python
3. Running Python Code
4. Strings
5. Lists
6. Dictionaries
7. Tuples
8. Sets
9. Number Data Types
10. Print Formatting
11. Functions
12. Scope
13. args/kwargs
14. Built-in Functions
15. Debugging and Error Handling
16. Modules
17. External Modules
18. Object Oriented Programming
19. Inheritance
20. Polymorphism
21. File I/O
22. Advanced Methods
23. Unit Tests
24. And much more.

Certificate issued to students

OCT-BNCOEP
Powered by Novisync



THIS CERTIFICATE IS PROUDLY
PRESENTED TO



Jadhav Payal Santosh

Has satisfactorily completed internship and fulfilled all the
requirements of
On-Campus Training in
Python Certification course

at

Babasaheb Naik College of Engineering, Pusad, Maharashtra

During the period of March 2020 and December 2020

Date: 6 January 2021

P. JADGAP

Training Program Co-ordinator

4.. Microsoft Artificial Intelligence, Class Room Series,Jan-2021 , continued till date.

Babasaheb Naik College of Engineering,Pusad
Department of Computer Science and Engineering
List of Registered Students for Microsoft Artificial Intelligence Class Room Series

Sr. No.	Email ID	Students Full Name	Course	Year
1	laxmanchavhan94@gmail.com	LAXMAN NANDKISHOR CHAVHAN	Web, mobile Development & marketing. Artificial intelligence. 3D printing & modeling.	Final year
2	dhabalekiran1997@gmail.com	Kiran Sakharan Dhabale	Artificial intelligence	Final Year
3	umarathod2017@gmail.com	Uma Somchand Rathod	Artificial Intelligence Class Room Series	Final year
4	poojarathod522@gmail.com	Pooja Yuvraj Rathod	Microsoft Artificial Intelligence	Final year
5	nagthaneomkars10@gmail.com	Omkar Shivraj Nagthane	Artificial Intelligence	Second Year
6	raiharsh375@gmail.com	Harsh vijay Rai	Artificial Intelligence	Second Year
7	yashwantmandade@gmail.com	Yashwant Sahebrao mandade	Web design development/ethical hacking	Second Year
8	shivaniichavhan21@gmail.com	Shivani vilasrao chavhan	Microsoft Artificial Intelligence	Second Year
9	siddeshkapse@gmail.com	Siddesh Rajendra Kaple	Artificial Intelligence	Second Year
10	kambalesachin382@gmail.com	Sachin Ganesh Kamble	Artificial Intelligence	Second Year
11	gbawaskar18@gmail.com	Gaurav Gopalrao Bawaskar	Web Development, Graphics Designing, Artificial-Intelligence, machine learning	Second Year
13	sammedsontakke5@gmail.com	SAMMED SANJAY SONTAKKE	Artificial Intelligence	Second Year
14	sohail04062000@gmail.com	Sohail	Artificial Intelligence	Second Year
16	tatwadiyatharth@gmail.com	Yatharth Tatwadi	Artificial Intelligence	Second Year
17	yashwantmandade@gmail.com	Yashwant sahebrao mandade	Artificial Intelligence	Second Year
18	satyaajeetharne2001@gmail.com	Satyaajeet Harne	Artificial Intelligence	Second year
20	viren143rathod@gmail.com	VIREN JIVAN RATHOD	Course Artificial Intelligence	Second year
21	pwaykole30@gmail.com	Prerna Sanjay Waykole	Artificial intelligence , cyber security	Second Year
22	kambalesachin382@gmail.com	Sachin Ganesh Kamble	Artificial Intelligence	Second Year
23	chikunayak037@gmail.com	Prashant jankiram Chavan	Artificial Intelligence	Second Year
24	radhikakajale5@gmail.com	Radhika Anil Kajale	Artificial Intelligence	Second Year
25	viren143eathod@gmail.com	VIREN JIVAN RATHOD	Artificial Intelligence COURSE	Second Year
26	tatwadiyatharth@gmail.com	Yatharth Tatwadi	Artificial Intelligence	Second Year
27	nagthaneomkars10@gmail.com	Omkar Shivraj Nagthane	Artificial Intelligence	Second Year
28	jajugopal52@gmail.com	Gopal Jaiprakash Jaju	Artificial Intelligence	Second Year
29	chavhanhitesh0811@gmail.com	Hitesh Premdas Chavhan	Big Data Analytics, Web Mobile Development and Marketing, Artificial intelligence	Second Year
30	chikunayak037@gmail.com	Prashant jankiram Chavan	Artificial Intelligence	Second Year
31	pratimadevthana@gmail.com	PRATIMA UMESH JADHAO	Artificial Intelligence	Second Year
32	shivaniichavhan21@gmail.com	Shivani Vilasrao Chavhan	Microsoft Artificial Intelligence	Second Year
33	patharkargaytri@gmail.com	Gayatri shailendra patharkar	Artificial Intelligence cloud computing development of marketing skills	Second Year

Sr. No.	Email ID	Students Full Name	Course	Year
35	surajchavhan507@gmail.com	Suraj namdeo chavhan	Artificial Intelligence	Second Year
36	raturajbhalekar6@gmail.com	Raturaj Dipak Bhalekar	Artificial Intelligence	Second Year
37	kubadesv0402@gmail.com	Suraj Vijay Kubade	Artificial Intelligence	Second Year
39	Musharrafmirza085@gmail.com	Musharraf Zubair Mirza	Artificial Intelligence	Second Year
40	gauripadamwar2001@gmail.com	Gauri Chandrakant Padamwar	Artificial Intelligence	Second Year
41	nm24081993@gmail.com	Namrata Shivkumar Modi	Artificial Intelligence	Second Year
42	vaishuraut841@gmail.com	Vaishnavi Bhaskar Raut	Artificial Intelligence	Second Year
43	kanad811@gmail.com	Kanad Jayant Deshmukh	Microsoft Artificial Intelligence Class Room	Third Year
44	poojarathod522@gmail.com	Pooja Yuvraj Rathod	Microsoft Artificial Intelligence	Third Year
45	preranaathod2606@gmail.com	Prerana Rameshwar Rathod	Data analysis,	Third Year
46	prajktabhoyar7@gmail.com	Prajakta Sanjay Bhoyar	Artificial Intelligence	Third Year
47	swapniltanpure74@gmail.com	Swapnil Madan Tanpure	Artificial intelligence	Third Year
48	sayyadarba313@gmail.com	SAYYAD ARBAJ SAYYAD RIYAJ	Artificial intelligence, cyber security, web and mobile development	Third Year
49	hrutikgp00@gmail.com	HRUTIK GOPALRAO PANCHAL	1.Mobile web development 2. cyber security 3.Artificial Intelligence	Third Year
50	vaibhavkharat1012@gmail.com	Vaibhav Ashok Kharat	1) cyber security 2) artificial intelligence 3) web, mobile development and marketing	Third Year
51	preranaathod2606@gmail.com	Prerana Rameshwar Rathod	Data analysis, artificial intelligence	Third Year
52	jagtapmanisha494@gmail.com	Manisha Vitthal Jagtap	Artificial intelligence	Third Year
53	mu25081999@gmail.com	Mamata Nandkumar Uttarwar	Artificial Intelligence, Big data analytics, cloud computing	Third Year
54	pragatirathod703@gmail.com	Pragati ashok rathod	Software tools and programming language	Third Year
55	ssshivankar81099@gmail.com	Shubhangi Somnath shiwankar	1) 3D Printing and Modelling 2) Web, Mobile Development and Marketing 3) Internet of Things	Third Year
56	vaishalidhanawat2018@gmail.com	Vaishali Vilassingh Dhanawat	Artificial intelligence, data security, networking	Third Year
57	mdshamsunder2000@gmail.com	MONIKA DINESH SHAMSUNDAR	Computer science	Third Year
59	pdangale82@gmail.com	Pooja laxman Dangale	Artificial intelligence	Third Year
60	kirandighade3@gmail.com	Kiran Bhimrao dighade	Artificial Intelligence	Third Year


Head
 Department of CSE
 Basahob Naik College of Engineering
 Pusad-445215

Authenticated, Participant data, Microsoft Artificial Intelligence, Class Room Series

Soft skill programmes taken

Babasaheb Naik college of Engineering, Pusad

Notice

All the students (first to final year) are hereby requested to enrol their names for participation in software supported interactive soft skills training programme.

Day – Thursday, last slot (5th & 6th Period) every working day.

Registration /enrolment – Every Wednesday.

Venue - Language Laboratory.


Selection – Twenty/forty students (depending on the length of programme- 1 or 2 batches)

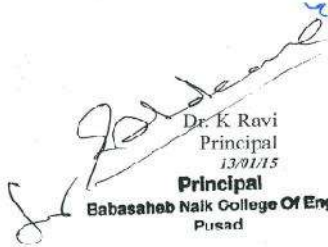
on -First come First basis only

List of Interactive soft skills programmes-

1. Business correspondence	7. Etiquettes	13. Presentation skills
2. Business report	8. Interviewing skills	14. Telephone skills
3. Conflict management	9. Making meetings work	15. Time management
4. Creative thinking	10. People skills for executives	16. Cross cultural orientation
5. Decision making	11. Developing joint ventures	17. Managing executive stress
6. Effective communication	12. Negotiation skills	18. Humour at work

One programme will be conducted every week.


R.P. Gokbole
Head Humanities


Dr. K Ravi
Principal
13/01/15
Principal
Babasaheb Naik College Of Engg
Pusad

Copy to –Dean first year & Heads Civil/Mech/ Elec/Comp Sci. & IT/LEP –to please display and circulate in the class rooms. (two copies each)

1. SQ3R Reading technique (Reading skills)

Power point presentation summary slides

SQ3R reading technique

- SQ3R : Survey, Question, Read, Recite, Review
- Survey : title, contents, headings, subheadings, chapter summaries, illustrations, captions, highlighted words, sections, introduction and conclusion
- Question: While reading each paragraph, ask questions yourself to understand the contents

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SQ3R reading technique

Read , Recite / Recall :

Slow down the reading speed if text is complex

Recall the supporting points, write down

Speak them aloud

Enable us to retain most of the information

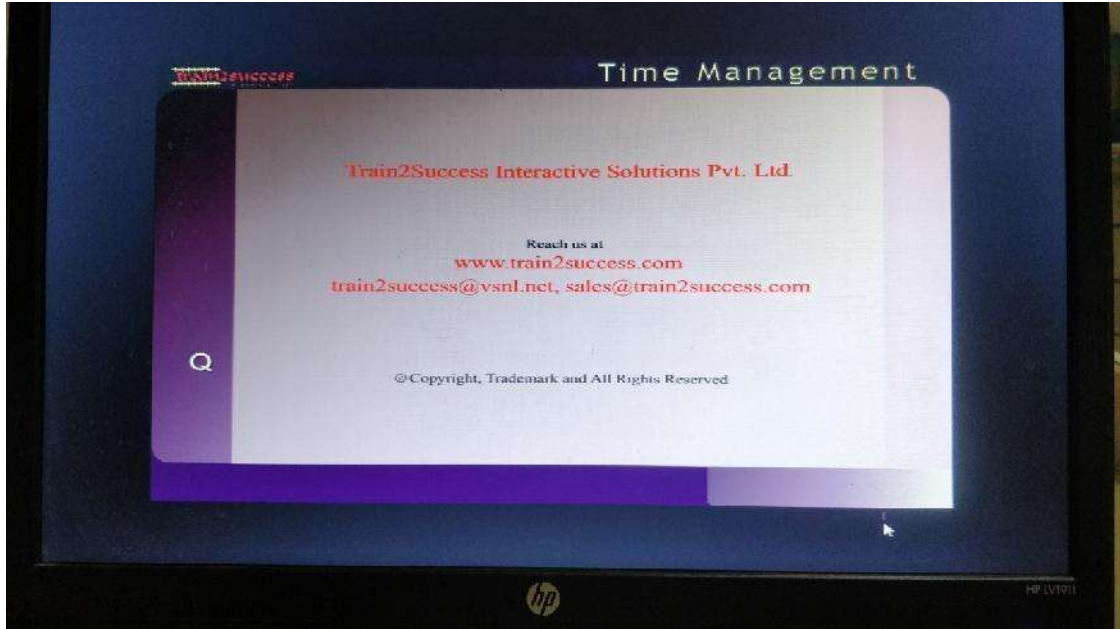
Sample attendance, Microsoft teams

Soft skill class on SQ3R Technique attendance 07.12.20 (1.5 hrs) students present -69		
Full Name	User Action	Timestamp
Prof. R.P.Godbole	Joined	12/7/2020, 11:43:42 AM
Pratiksha Bhange	Joined	12/7/2020, 11:43:53 AM
Rohan Gawali	Joined	12/7/2020, 11:43:54 AM
Siddhant Dahale	Joined	12/7/2020, 11:43:55 AM
Yogesh Jadhao	Joined	12/7/2020, 11:43:57 AM
Balaji Thadve	Joined	12/7/2020, 11:43:59 AM
Mohmed Ashraf Khokar	Joined	12/7/2020, 11:45:57 AM
Shubham Deo	Joined	12/7/2020, 11:46:06 AM
Shruti Pradhan	Joined	12/7/2020, 11:46:09 AM
Chandrabhushan Murke	Joined	12/7/2020, 11:46:27 AM
Neha Thorat	Joined	12/7/2020, 11:47:03 AM
Pratiksha Mohrir	Joined	12/7/2020, 11:47:14 AM
Pratik Dilip Rathod	Joined	12/7/2020, 11:47:38 AM
Bhakti Patil	Joined	12/7/2020, 11:48:02 AM
Chinmay Kodgirwar	Joined	12/7/2020, 11:48:03 AM
Vedashri Jadhao	Joined	12/7/2020, 11:48:06 AM
Ashutosh Barade	Joined	12/7/2020, 11:48:15 AM
Dhanshri Bobade	Joined	12/7/2020, 11:48:25 AM
Sumedh Dawande	Joined	12/7/2020, 11:48:31 AM
Nikita Jadhao	Joined	12/7/2020, 11:48:38 AM

Prajwal Kanhekar	Joined	12/7/2020, 11:48:38 AM
Yogesh Dalui	Joined	12/7/2020, 11:48:40 AM
Sayyed Shahrukh	Joined	12/7/2020, 11:48:51 AM
Harshita Shinde	Joined	12/7/2020, 11:48:52 AM
Nandkishor Behare	Joined	12/7/2020, 11:48:56 AM
Chandrakant Bhople	Joined	12/7/2020, 11:49:05 AM
Krushnkant Dhule	Joined	12/7/2020, 11:49:56 AM
Hritik Jadhao	Joined	12/7/2020, 11:49:56 AM
Om Tundalwar	Joined	12/7/2020, 11:50:07 AM
Sameer Khan	Joined	12/7/2020, 11:50:55 AM
Aditya Rathod	Joined	12/7/2020, 11:51:05 AM
Vaishnavi Bhalekar	Joined	12/7/2020, 11:52:07 AM
Rushikesh Ade	Joined	12/7/2020, 11:52:10 AM
Harish Godghase	Joined	12/7/2020, 11:52:27 AM
Sayam Khan Khan	Joined	12/7/2020, 11:52:31 AM
Shekhar Rathod	Joined	12/7/2020, 11:53:17 AM
Saifullah Khan	Joined	12/7/2020, 11:53:42 AM
Om Alamwar	Joined	12/7/2020, 11:53:55 AM
Sumit Rathod	Joined	12/7/2020, 11:55:12 AM
Navanita Bhagat	Joined	12/7/2020, 11:56:51 AM
Sufyan Shaikh Mohammad	Joined	12/7/2020, 11:57:36 AM
Shubham Rathod	Joined	12/7/2020, 11:58:17 AM
Manvi Nandurkar	Joined	12/7/2020, 11:58:31 AM
Tanu Rathod	Joined	12/7/2020, 12:00:03 PM
Nilesh Vasant Chavhan	Joined	12/7/2020, 12:00:47 PM

Manisha Pate	Joined	12/7/2020, 12:02:09 PM
Geetanjali Jadhav	Joined	12/7/2020, 12:02:52 PM
PRATHAMESH YENKAR	Joined	12/7/2020, 12:04:06 PM
Mahesh Shinde	Joined	12/7/2020, 12:04:24 PM
Suraj Dhobe	Joined	12/7/2020, 12:04:30 PM
Wajahatullah Khan	Joined	12/7/2020, 12:04:31 PM
Saurabh Walekar	Joined	12/7/2020, 12:04:48 PM
Akash Vishwambhar khokale	Joined	12/7/2020, 12:04:49 PM
Harshal Narendra Belkhade	Joined	12/7/2020, 12:05:23 PM
Sonu Chavhan	Joined	12/7/2020, 12:05:31 PM
Rutuja Jadhao	Joined	12/7/2020, 12:05:34 PM
Ravindra Rathod	Joined	12/7/2020, 12:06:45 PM
Rohini Gaikwad	Joined	12/7/2020, 12:09:14 PM
Rupali Bansode	Joined	12/7/2020, 12:10:05 PM
Priyanka Rathod	Joined	12/7/2020, 12:11:17 PM
Pallavi Gawande	Joined	12/7/2020, 12:11:28 PM
Kunal Shrinath	Joined	12/7/2020, 12:11:46 PM
Shubham Supekar	Joined	12/7/2020, 12:13:17 PM
Hrucha Jadhao	Joined	12/7/2020, 12:13:48 PM
Sachin Rathod	Joined	12/7/2020, 12:14:15 PM
Shrayu Maske	Joined	12/7/2020, 12:17:31 PM
Divya Rathod	Joined	12/7/2020, 12:20:32 PM

Time management- computer aided software based work shop



Screen shot software, LMS

Time Management mini W.S, 1.5 hrs Microsoft teams, attendees-19		
Full Name	User Action	Timestamp
Prof. R.P.Godbole	Joined	11/20/2020, 11:55:05 AM
Hrutik Panchal	Joined	11/20/2020, 11:55:32 AM
Nishada Raut	Joined	11/20/2020, 11:55:34 AM
Swapnil Tanpure	Joined	11/20/2020, 11:55:36 AM
Vaibhav Waghmare	Joined	11/20/2020, 11:55:37 AM
Kanad Deshmukh	Joined	11/20/2020, 11:57:02 AM
Prajakta Bhojar	Joined	11/20/2020, 11:58:54 AM
Gunwanti Manwar	Joined	11/20/2020, 12:01:13 PM
Shubham Chiddarwar	Joined	11/20/2020, 12:01:27 PM
Mamata Uttarwar	Joined	11/20/2020, 12:02:39 PM
Kajal Raut	Joined	11/20/2020, 12:06:45 PM

Vaishali Dhanawat	Joined	11/20/2020, 12:07:02 PM
Prapti Kallawar	Joined	11/20/2020, 12:08:05 PM
Shubhangi Shiwankar	Joined	11/20/2020, 12:12:42 PM
Ankita Kannao	Joined	11/20/2020, 12:13:12 PM
Vaibhav Narwade	Joined	11/20/2020, 12:22:20 PM
Vaibhav Kharat	Joined	11/20/2020, 12:35:01 PM
Sayyad Arbaj	Joined	11/20/2020, 12:47:58 PM

A. Session 2020-2021

BEST PRACTICE 2:

1. Title

Support to neighboring community in Covid -19 pandemic.

2. Objectives

To actively participate individually and with the help of health department throughout the session to support the neighboring community in Covid -19 pandemic

- ✓ To run an Awareness programme and support work for the community in covid 19, locally and at adopted villages.
- ✓ To support the government initiative of "Maze Kutumb Mazi Jawabdari" movement with student volunteers
- ✓ To support" Snehanubandh Abhiyaan " with SGBA university To organize Covid -19 , Rapid testing camp .
- ✓ To organize an event to bring forth innovative ideas of the use of technology in combating Covid -19 pandemic.

3. The Context

- Major adjoining population belongs to remote, tribal and backward areas who need awareness and support during pandemic.
- Facilities like testing and appropriate diagnosis are required.

- Trained volunteers are required.
- Looking into these difficulties the institute took an initiative to support the adjoining population.

4. The Practice

- An **Awareness programme** and support work for the community in covid 19, was run locally and at adopted five villages. **Resources were provided by the college.** food and essential commodities distribution for stranded citizens at bus stand/free mask distribution/marketing social distancing circles at crowded places/distribution of sanitizers and sanitizing was done.
- The institute supported the government initiative of "**Maze Kutumb Mazi Jawabdari**" movement with student volunteers who were trained to check temperature by thermometer gun and blood oxygen level by oxy-meter , testing was done at adopted villages Wadsad and Mansal by the student volunteers, keeping all precautions. Medical check-up was held for Corona -19, where all the villagers in two adopted village were benefitted
- "**Snehanubandh Abhiyaan** " with SGBA parent university was organized for awareness against Corona by displaying posters at various places in town and adopted villages ,regarding safety to prevent Corona and APPEAL for blood donation was made .
- **A Covid - 19 Rapid testing** camp Under " Snehanubandh Abhiyaan " with SGBA university was organized with the help of doctors and staff from district sub divisional hospital. all the staff ,students, neighboring locality and families residing in staff quarters were tested for corona
- An event to bring forth innovative ideas of use of technology in combating covid 19 pandemic. Hence we named the competition as **Techno vision essay competition.** About 25 entries from all over the state were received and prized were distributed to best entries. **An initiative to utilizing technical skills for Covid -19 support** , inculcating innovativeness in students to use engineering to overcome pandemic issues was successful

5. Evidence of Success

- Hundreds of villagers and locals were benefitted by the awareness initiative.
- Testing of large number of people was done.
- Inculcating innovativeness in students to use engineering to overcome pandemic issues was successful as evidenced by the response to the initiative.

6. Problems Encountered and resource required

- Training volunteers so that they may not be in risk of getting themselves affected was a major concern.
- The activities required meticulous planning.
- Providing ample budget.
- Many Doctors and volunteers have been involved, their availability & convenience has to be taken into consideration.

Supporting documents

BEST PRACTICE 2

Awareness programme and support work for the community in Covid- 19 locally and at adopted five villages



Banner on the Gate



Covid-19 Awareness Volunteer

Students with banners



Mask distribution



Food distributing to stranded travelers at bus depot



Making markings for distance



Sanitization at adopted village

"Majhe Kutumb Majhi Jawabdari"

At college



At adopted villages







बाबासाहेब नाईक अभियांत्रिकी महाविद्यालयात

राष्ट्रीय सेवा योजना स्थापना दिवसानिमित्त माझे कुटुंब माझी जबाबदारी मोहीम

पुसद (का. प्र.)

स्थानिक बाबासाहेब नाईक अभियांत्रिकी महाविद्यालयात राष्ट्रीय सेवा योजना स्थापना दिवस दि. २४ सप्टेंबर रोजी साजरा करण्यात आला. याप्रसंगी कार्यक्रमाचे अध्यक्ष प्राचार्य डॉ. अविनाश वानखडे यांनी संत गाडगेबाबा यांच्या प्रतिमेचे पुजन करून कार्यक्रमाची सुरुवात केली. प्राचार्य डॉ. अविनाश वानखडे यांनी सर्व स्वयंसेवकांना कोरोना महामारीच्या पार्श्वभूमीवर एक योद्धा प्रमाणे माझे कुटुंब माझी जबाबदारी ही मोहीम राबविण्याचे आवाहन केले. यावेळी विद्यार्थ्यांनी उपस्थितांचे शरीराचे

तापमान व ऑक्सीजन तपासणी करून मोहीमेला सुरुवात केली. याप्रसंगी कार्यक्रम अधिकारी डॉ. संजय भागवत यांनी प्रास्तावना केली. तसेच सहकार्यक्रम अधिकारी प्रा. कु. पौर्णिमा निरंजने, प्रा. रुचिर गोडबोले उपस्थित होते.

कार्यक्रमाच्या यशस्वीतेसाठी आदित्य लाभसेटवार, आदित्य देशमुख, राजु वाघमारे या स्वयंसेवकांनी अथक परिश्रम घेतले. कार्यक्रमाच्या यशस्वी आयोजनासाठी जनता शिक्षण प्रसारक मंडळाचे अध्यक्ष जय नाईक यांनी सर्वांचे कौतुक केले.

" Snehanubandh Abhiyaan " with SGBA university was organized for awareness against Corona



संत गाडगे बाबा अमरावती विद्यापीठ



राष्ट्रीय सेवा योजना

बाबासाहेब नाईक अभियांत्रिकी महाविद्यालय, पुसद

रक्तदान - श्रेष्ठदान

संत गाडगे बाबा स्नेहानुबंध अभियान

महाराष्ट्र शासनाच्या आदेशान्वये COVID-19 कोरोनाचा प्रादुर्भाव असल्यामुळे रक्ताचा तुटवडा मोठ्या प्रमाणात दिसून येत आहे. सामाजिक कर्तव्य आपल्याला पार पाडावयाचे आहे. सामाजिक अंतर (Social Distancing) देवून रक्तदान करा.



डॉ. राजेश बुरंगे, संचालक, राष्ट्रीय सेवा योजना

डॉ. अविनाश वानखडे प्राचार्य | डॉ. संजय भागवत कार्यक्रम अधिकारी | प्रा. कु. पोर्णिमा निरंजने महिला कार्यक्रम अधिकारी



Pusad Dec 21, 2020 1:46 PM





Awareness Posters of Blood donation under Snehanubandh Abhiyaan at various locations in Pusad city

Covid - 19 Rapid testing camp

Under " Snehanubandh Abhiyaan " with SGBA university a Covid - 19 Rapid testing camp was organized with help of doctors and staff from district sub divisional hospital.01.01.2021 and 02.01.2021







**Appreciation letter for the Support work done by the college in Covid -19 pandemic by
Standing MLA shri Indranil Manohar Naik**



इंद्रनिल मनोहर नाईक

आमदार

81- पुसद विधानसभा, जि. यवतमाळ

"नाईक बंगला," कारला रोड, गांधीनगर, पुसद ता. पुसद, जि. यवतमाळ - 445 204 | फोन : 07233 246310 | फॅक्स : 07233 248001
मोबाईल : 09552225555 | ईमेल : mlapusadoffice@gmail.com

दि. 4 JUN 2020

- अभिनंदन -

कोरोना या संसर्गजन्य आजारामुळे संपुर्ण जग संकटात असतांना आपल्या महाविद्यालयातील राष्ट्रीय सेवा योजने अंतर्गत स्वयंसेवकांनी लॉकडाऊनच्या काळात आपआपल्या ठिकाणी राहून सोशल मिडीयाद्वारे जनजागृती, जंतूनाशक फवारणी, मास्क वाटप, गरजू लोकांना अन्नदान, धान्य किट वाटप, मोकाट जनावरांना चारा देणे, जिवनावश्यक वस्तुंच्या दुकानांसमोर फिजीकल अंतराच्या निशाणी करणे असे विविध उपक्रम यशस्वीपणे राबविले, वरील सर्व उपक्रम प्राचार्य डॉ. अविनाश वानखेडे, कार्यक्रम अधिकारी डॉ. संजय भागवत, प्रा. कु. पोणीमा निरंजने यांच्या मार्गदर्शनाखाली 1) ऋषीकेश गंगावणे 2) आशिष अवस्थी 3) आविष्कार फुके 4) राजु वाघमारे 5) कु. ऋतुजा भाकरे 6) वेदांत भुतडा 7) सचिन गावंडे यांनी व इतर सर्व स्वयंसेवकांनी उत्स्फूर्तपणे कार्य केले.

आपण सर्वांनी केलेले कार्य समाजाच्या हिताचे असून याचा फायदा निश्चितच जनतेला होईल. आपण केलेल्या कार्याबद्दल सर्वांचे अभिनंदन व पुढील कार्यासाठी शुभेच्छा...!

(इंद्रनिल मनोहर नाईक)

प्रति,
मा. प्राचार्य,
बाबासाहेब नाईक अभियांत्रिकी महाविद्यालय,
पुसद

Techno vision essay competition to bring forth innovative ideas of use of technology in combating Covid- 19 pandemic.

Covid-19 Related Techno-Rural Vision competition (National Level – online) was organized by Unnat Bharat Abhiyan Cell, Babasaheb Naik College of Engineering Pusad by soliciting ideas / solutions from the engineering students (Poly / UG / PG) through the circulation of Information Brochure and Banners of the contest through various social media groups like What'sapps, Telegram, etc. and through e-mail to various academic institutes.

The objective of the competition was to seek solutions using technological advances in field of ICT to combat the challenges raised by COVID-19 pandemic and associated lockdown situation with emphasis on rural areas.

The competition received praiseworthy response of around 25 submissions from four states comprising of Maharashtra, Karnataka, Rajasthan and Uttar Pradesh during the stressful period of Lockdown and unpredictable academic environment due to confusing statements emanating from UGC and State Universities relating the conduction of examinations.

First prize worth Rs 2500/- was bagged by Omkar Khapke, Second Year B.E.(IT), MET Bhujbal Knowledge City Institute of Engineering, Nashik for his submission titled “ICT- A way towards a better tomorrow”. In his submission, Omkar described the various ways of prospective applications of ICT in the field of education, Healthcare, market yards, etc. of the rural areas to improve the quality of life.

Second prize worth Rs 1000/- was secured by Awaiz Khan, Third Year B.E.(Civil), Prof. Ram Meghe Institute of Technology and Research, Badnera for his submission titled “Impact and solution for rural economies in post pandemic period”. This submission describes the need for creation of database using UIN for unemployed persons (migrant labour), digital advertisements, investment in non-agricultural sectors and education for rural masses.

Third prize worth Rs 500/- was awarded to Pranoti Gaikwad, Third Year B.E. (Civil), Government College of Engineering, Nagpur for her submission titled “Calldoc App” in domain of remote health care in which app is proposed to be developed for the target audience who lack in technical literacy and include senior citizens.

Consolation prize of Rs 250/- was awarded to Saurabh Maniyar and Shoeb Khan, Third Year B.E.(Civil), Babasaheb Naik College of Engineering, Pusad for their submission titled “Covid-19 and Technological Advances - Goals, Challenges, Impact” in which they propose multipronged strategies comprising of Health sensors and apps, Thermal screening, tele-health, autonomous vehicles, etc. to tackle the challenges of Covid19 pandemic.

The competition fulfilled its objectives of igniting the minds of engineering students to seek novel solutions to confront the challenges of Covid19 pandemic with focus on rural areas



ESTD. 1983

**Unnat Bharat Abhiyan Cell,
BABASAHEB NAIK COLLEGE OF ENGG., PUSAD**



Dist. : Yavatmal (M.S.)

COVID19 RELATED TECHNO-RURAL VISION COMPETITION

Objective

To seek solutions using technological advances in field of ICT to combat the challenges of COVID-19 pandemic and associated lockdown situation with emphasis on rural areas.



Eligibility

UG/PG Engineering student or Polytechnic student of AICTE recognized institute

Last Date of submission - 30th June 2020

Visit Link https://drive.google.com/file/d/1von8pKBi_MLi9tzldRk_bsA6a0OUA_b6/view?usp=sharing. (For further details of competition)

ATTRACTIVE PRIZES UPTO RS 2500/- FOR WINNERS

Link for Template File:

<https://drive.google.com/file/d/1CN1ltoj2y1Bie1qOq30u9R1bNa22DSYP/view?usp=sharing>

Link for Registration:

<https://forms.gle/pDFWsSrxANpnk87f6>

For any queries, contact:

uba.bncc@gmail.com / 9764996778

**Registration
FREE**

Dr. Vasif Ahmed
Coordinator

Dr. Avinash Wankhade
Principal

Poster floated for the event

CERTIFICATES PROVIDED TO THE WINNERS



UNNAT BHARAT ABHIYAN CELL,
BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD

CERTIFICATE

This is to certify that Mr. Omkar V. Khapke, Second Year B.E. (I.T.) student of
MET Bhujbal Knowledge City Institute of Engineering has participated in

Covid19 Related Techno-rural Vision Competition (National Level - online)

through the submission titled "ICT - Way Towards A Better Tomorrow" held during the
month of July 2020. This submission secured **FIRST** rank in the competition.

The objective of the competition was to seek ideas / solutions from the
engineering students (poly/ UG/ PG) to combat the challenges of Covid19
pandemic and associated lock-down situation with emphasis on rural areas.

(Dr. Vasif Ahmed)
Coordinator,
Unnat Bharat Abhiyan Cell

(Dr. Avinash Wankhade)
Principal,
Babasaheb Naik College of Engineering



UNNAT BHARAT ABHIYAN CELL,
BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD

CERTIFICATE

This is to certify that **Mr. Sufi Awais Ali Khan, Third Year B.E. (Civil Engineering)**
student of **Prof. Ram Meghe Institute of Technology and Research** has participated in
Covid19 Related Techno-rural Vision Competition
(National Level - online)

through the submission titled **"Impact and Solution for Rural Economies in post pandemic period"**
held during the month of July 2020. This submission secured **SECOND** rank in the competition.

The objective of the competition was to seek ideas / solutions from the
engineering students (poly/ UG/ PG) to combat the challenges of Covid19
pandemic and associated lock-down situation with emphasis on rural areas.

(Dr. Vasif Ahmed)
Coordinator,
Unnat Bharat Abhiyan Cell

(Dr. Avinash Wankhade)
Principal,
Babasaheb Naik College of Engineering



UNNAT BHARAT ABHIYAN CELL,
BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD

CERTIFICATE

This is to certify that Ms. Pranoti Gaikwad, Third Year B.E. (Civil Engineering)
student of Government College of Engineering, Nagpur has participated in

Covid19 Related Techno-rural Vision Competition (National Level - online)

through the submission titled "Calldoc App - Remote Healthcare" held during the month
of July 2020. This submission secured **THIRD** rank in the competition.

The objective of the competition was to seek ideas / solutions from the
engineering students (poly/ UG/ PG) to combat the challenges of Covid19
pandemic and associated lock-down situation with emphasis on rural areas.

(Dr. Vasif Ahmed)
Coordinator,
Unnat Bharat Abhiyan Cell

(Dr. Avinash Wankhade)
Principal,
Babasaheb Naik College of Engineering