

**BABASAHEB NAIK COLLEGE OF ENGINEERING, PUSAD.**

**ANNUAL REPORT OF THE INSTITUTE.**

**SESSION -2016-17**

Chief Guest of this function Dr. D.P.Kothari , Ex- Vice Chancellor, VIT University Bangalore, Ex-Director IIT Delhi, Ex- Principal VNIT Nagpur ,Prof. G.K. Gattani I/C students' affairs, Dr .S.M.Mahajan. I/c Student Representative Council i.e. SRC ,President SRC Mr. Prathamesh Chopde, General Secretary SRC, Mr. Mayur Arora ,all the office bearers of SRC, NSS representative, deans, LMC members, head of the departments, faculty members, technical & supporting staff members, parents, alumni friends, members of press, my dear student friends, ladies and gentlemen.

It is a matter of pleasure for me to present a brief Annual Report of Babasaheb Naik College of Engineering, Pusad for the session 2016-17, to this august gathering. It is an occasion to asses our achievements and to discover opportunities to better ourselves in future.

It is very heartening for all of us to note that **9** of our students have appeared in recently declared Sant Gadge Baba Amravati University merit list for Summer 2016 Examination.

In Mechanical Engineering out of 10 University positions our students have bagged 5 merit positions. It is a very commendable achievement.

Mr.Swapnil Sapkal has stood **1<sup>st</sup>** , Mr Atiqur Rahaman has stood **2<sup>nd</sup>** ,Ms. Priyanka Kale has bagged **3<sup>rd</sup>** position while Ms. Archana Khedkar and Mr. Sheikh Naim have stood **7<sup>th</sup>** & **9<sup>th</sup>** respectively.

In civil Engineering Merit list Mr. Kanhaiya Kalmudle has stood **1<sup>st</sup>** , Ms. Shruti Sarage has stood **3<sup>rd</sup>** while Mr. Pratik Bhojar has stood **9<sup>th</sup>** in the merit .

Ms. Mohini Khandare has stood **3<sup>rd</sup>** in the merit list of Computer Science & Engineering.

I most heartily congratulate each one them and their teachers on behalf of the stakeholders.

Our college has an **ISO certification**. The **ISO** Standard for the year 2016-17 has now been upgraded from the present ISO 9001:2008 to **ISO 9001-2015** certification. Quality Manual has been upgraded accordingly. Most of the internal & external audits have been completed successfully. The auditors have appreciated the quality management at various departments. Suggestions provided by the auditors have been incorporated so as to successfully complete the annual Surveillance audit.

You will all be delighted to note that four of our faculty members have been conferred with PhD recently - **Prof A.M. Wankhade** , Head Mechanical Engineering department ,**Prof. M. R.Vyawahare** our Training & Placement Officer and **Prof. S.M.Mahajan** from Civil Engineering department have been conferred with Ph.D. by Sant Gadge Baba Amravati University, Amravati .

**Mr. Deepak Bhalekar**, our supporting staff, has also completed his PhD in Library Sciences from Sant Gadge Baba Amravati University, Amravati.

I most heartily congratulate them all and wish them all the success in future academic endures!

*Our laboratories are recognized for research by Sant Gadgebaba Amravati University , Amravati. 4 of our registered research scholars, 3 in Civil Engineering and 1 in Computer science & Engineering have acquired PhD in this session.*

#### **Under the Training & Placement activities:**

In the last academic year we have been able to place **232** students from our campus in various companies.

This session up till now around **115** students have been placed, **2** have been placed in Allure INC, Pune , **5** students have been placed in Viragh Microsystems, Nagpur , **4** have been placed in Harshy Tech (USA based), **3** have been selected for Hack-to-Secure Pvt. Ltd, Banglore, **7** in Pompeil Technology, Nagpur, **5** in Bprise,Mumbai,**22** in EOS global, Chennai, while **61** students have been shortlisted for Grace Edunet, Nagpur.

In the coming month we expect even more number of students to be placed.

The T &P department also provides Campus Recruitment training to all the students from second to final year on communication skills, aptitude test through expert external agencies. They have organized **8** technical training programmes like Advanced Networking, Web Development, Android Arduino, workshop on Microsoft Project , Java, C++, Linux, Admin-security etc .Other than that 3 Expert talks, workshops & career counseling talks for the benefit of students have also been organized.

In line with the mission of our college to support the students from weaker sections, this session the college has facilitated in getting government concessions to 1660 students which includes scholarships, free ships, to OBC,SBC,SC,ST, VJNT, EBC, Minority ,STC&PTC .

We have regularly been the recipient of various grants in the past by AICTE, UGC for research, modernization of equipments, etc. A Proposal for “ATAL INNOVATION CENTRE” for institute has been sent in May 2016. Three MODROBS proposals, one each from Electronics & Telecomm Engg. Department, Computer Science & Engg., Department and Civil Engg. Department have been submitted to AICTE , one RPS proposal from Electronics & Telecommunication Engg dept, one Seminar Grant proposal from Computer Science and Engg. Dept has also been submitted online to AICTE in this January . We expect some grants soon.

Our college has taken initiative in associating with providing vocational training programme sponsored by AICTE and NSDC( National skill development corporation) New Delhi, for students who have unfortunately failed to come to higher education. Our departments are conducting Skill Development programmes by providing training so that they can become good , Technicians in Refrigeration, Air Conditioning, Electricians, construction supervisors etc . Many student from nearby area have registered for various traits with our college under this scheme.

Under the **National Service Scheme**, NSS, Ms. Neelakshi Tadse has been nominated as President, Mr. Akshay Ingole as Unit Representative respectively. Our NSS unit has observed Ambedkar jayanti , Babasaheb Naik Punya tithi , Vasantao Naik Jayanti as Vanmahotsav , Tilak Punyatithi, 70<sup>th</sup> anniversary of Independence with a programme “yaad karo kurbani”, Rajiv Gandhi Jayanti as Sadbhavna Diwas ,Mahatma Gandhi jayanti with Swachta Abhiyan & Lalbahadursashtri jayanti etc . The unit has celebrated NSS Foundation Day on 24<sup>th</sup> of Sept 2016.A “Blood donation” Camp was held where upon 333 students donated the blood. The annual camp of the unit was organized from 2<sup>nd</sup> Jan to 8<sup>th</sup> of Jan 2017 at Village Juna Karla, where many programmes on cattle care, village cleanliness, women health issues, spiritual discourses, water conservation, awareness on social problems, Skill development programme were held. A small Library was established for villagers by donating 100 books.

**The College has rich Library** housed in spacious area of 1300 sq. m. This year Library has Purchased general books, Book-Bank Books & Competitive books worth Rs.1,56,130/-during current year. 237 books have been received till date and remaining books will be procured soon. Library has 59,815. Printed Books , National Journal’s (Hard Copy): 49 worth Rs. 80,000, There are 1700 E-books,13000 Journal articles, J GATE, etc. Library has MOU with DELNET (Developing Library Network . All India Technical Institute Network. New Delhi. It is a computerized library with LIBSYS software.

Book Bank facility is provided to 20 meritorious students from each semester (all branches) free of cost. All the students in SC/ST category get book bank facility under Social welfare scheme. Around 700 students avail this book bank facility.

Our college magazine “IMPETUS” which has secured best **prize** in the University in the category of professional colleges is known for its creativity, is getting ready soon.

**ISTE( Indian Society for Technical Education)** students Executive Council for session 2016-17 was nominated by the Principal. Mr. Shubham Agrawal & Mr. Zeeshan Ahemad were nominated as President & secretary respectively.

The chapter has conducted a counseling session by **Shri Prashantji Puppal**, from Ramakrishna mission, Pune who is also an eminent entrepreneur, on the topic “**Teenagers & their relationship with parents**” for all the parents and students in the nearby schools & colleges. Another talk on “**Importance of Goal Setting in Career**” was organized for our students on 20<sup>th</sup> of January 2017.

ISTE has submitted a proposal to ISTE New Delhi for ‘The most Clean and Green Campus Award 2016-17’

ISTE body has also conducted an expert lecture by Swami Anantarnanda for the students of our college on 13<sup>th</sup> of February 2017.

Our college has **Conducted a Group Dance competition** for high-school and Jr. college students on 12/02/2017 so as to provide a platform for cultural and social development amongst students in our area.

The IE ( Institution of Engineers ) (I) student chapters of Civil, Mechanical, Electronics & Telecommunication, Comp Science & IT have conducted many co & extra- curricular activities throughout the session.

**MESA** ( Mechanical Engineering Students Association ) has conducted various activities including student seminars, workshops, training programmes like virtual BAJA, Assembly & disassembly of 4 stroke engine, aptitude tests, mock interviews and industrial visits.

**AETES** (Association of Electronics & Telecommunication Engineering Students) has conducted wide range of activities like an Expert lecture by Mr. Prasad Garapati (Principal Engineer GE, USA & our Alumnus) on the topic “Microprocessor Programming: Different Techniques Used in Electronics Industries” the programme was organized on 28<sup>th</sup> of Sept 2016.

An expert lecture by Prof. S. R. Rokade (SPIT Mumbai) on the topic “Ultra low power microcontroller-MSP430G” was arranged on 03<sup>rd</sup> of Oct for final year students.

A Video lecture on “Introduction to Scilab” was arranged. lectures on topic “Tips on Seminar Presentations” & “ analog circuit analysis” were also organized. A

technical quiz was arranged for the second, third and final year student. Total 65 students participated in technical quiz. A two Day Workshop on “Introduction to MatLab” was conducted for students of higher classes. 75 students participated in this workshop. All these programmes have been conducted through our in-house experts .

A two days National level technical paper contest THRESHOLD-2017 for Diploma and UG students and Mega Event ZEAL will be organized on 11<sup>th</sup> & 12<sup>th</sup> of March-2017.

College news letter: BNCOE times, has done a commendable job, they publish it twice a year the second is has been unfolded today.

**Engico student’s consumer co-operative** with prime objective of fulfilling the daily requirements of students **is functioning** with eagerness.

*PECAA (Pusad Engineering College Alumni Association) has various chapters in India & abroad, being a college with more than 34 years of Engineering education behind, the college has thousands of successful professionals over the globe including developed nations.*

*Our Alumni staying abroad, organized a meet at Las Vegas, Nevada, USA in the month of August 2016. While our alumni chapters at various Indian metros also conduct meet regularly.*

**SRC** (Students’ Representative council) was inaugurated at the hands of Mr. M Rajkumar, IPS, Superintendent of Police, Distt Yavatmal. SRC’s Mega cultural event ‘Gaiety -2017’ is scheduled from today, Variety entertainment programs comprising of Hindi and Marathi skits, Mime, solo & group dances, songs, Mimicry Mono-acting , song competition and on, will be held during 'Gaiety - 2017'the social annual gathering.

**Under the Departmental achievements the prominent are:**

**From Department of Civil Engineering:**

*The Department has undertaken consultancy work of various Government & Private Agencies such as Irrigation Department, PWD, MJP, ZP, Nagar Parishad etc. Consultancy amount received is about **three lacs** (Rs. 2, 99,550.00.)*

**Department of Mechanical Engineering**

Department runs **Pro-E classes** . This year 58 students registered and completed the course during 22<sup>nd</sup> of Aug to 22<sup>nd</sup> Sept2016.The Department has organized **Industrial Tours** at Parali ( Vaijnath ) to “ Thermal Power Plant” and to Pimpalgaon Spinning Mill (Sutgirini).

## **The department of Electronics & Telecommunication Engineering**

The Department has organized ISTE Approved and Entuple Technologies supported STTP on “**RF and Microwave Applications : Design Simulation and Measurements**” during 2<sup>nd</sup> to 7<sup>th</sup> May 2016. Dr. A. N. Gaikwad was the co-ordinator for this STTP. 22 participants attended the STTP. Pavan Varanasi, Application Manager, Rohde & Schwarz India, K Kaviarasu, Application Engineer, Entupe Technology and Mr. V. Karthick, Design Engineer, Finetuning Academy delivered their lectures in this STTP. *Dr. Ghosh, Dr. Rishi Prakash and Mr Jagannath Malik from IIT Roorkee also* delivered lectures and undertook practical sessions in this STTP.

Department has also organized a one week ISTE Approved STTP On “**Soft Computing Techniques**” during 26<sup>th</sup> to 31<sup>st</sup> December, 2016. Dr. R. J. Bhiwani was the co-ordinator for this STTP. 38 participants attended the STTP. Dr. N. P. Jawarkar, Dr. R. J. Bhiwani, Dr. A. N. Gaikwad, Dr. S. N. Dandare and Dr. N. A. Charaniya delivered expert lectures along with practical in this STTP.

## **The department of Computer Science & Engineering and Information Technology**

The Department has conducted 01 Month Technical Training Program for Third Year Students of Computer and Information Technology on topic “PHP, MYSQL - Spoken Tutorial, An Initiative of National Mission on Education through ICT, MHRD, Govt. of India, supported by IIT Mumbai” under the guidance of Prof.S.A.Bhura, He was also the resource person for the course. Prof.S.D.Chavan and Prof.M.M.Ahmed have supported him.

### **Department of Electrical (Electronics&Power )**

The department of Electrical Engineering has conducted a Three days training program on “Thermal Power Plant Appreciation” by NPTI Nagpur, with the experts Dr. V. Vidyasagar ( Dy. Director , NPTI) and Mr. D. Anbarasu (Asst.Director) ,from 23<sup>rd</sup> of Sept to 25<sup>th</sup> of Sept 2016, the certification was provided by National Power Training Institute ,Ministry of Power, Govt. of India. 125 students attended the training program.

A One Day Workshop on “Project Management Techniques” was conducted through Online Webcast by Acamedia Relationship PMI Bangalore, India Chapter on 19<sup>th</sup> Oct 2016, 40 students of final year from all Braches were Present.

Prolific System Nagpur has conducted a seminar for third year students on 16<sup>th</sup> of July 2016.

Expert Lectures on “Preparation of Project and Seminar” ,“Implementation of Electrical Wiring/Switchgear Design using AutoCAD Software”, “Basic Components of Electrical Engineering” , A workshop on “Application of AutoCAD in Electrical Engineering” ,“Power System Computer Aided Design (PSCAD)”, “Application of Different software in Power Systems” were conducted with the help of in-house experts. The department has also conducted additional classes for the first year in Electrical Engineering.

**The faculty of our college** has numerous achievements like every year .This year as you know 4 of our faculty and one supporting staff have been awarded PhD. Few more are on the verge of being awarded.

7 of our faculty have completed post Graduation

**15** have presented paper at National and international conference

**38** have published paper in National and international Journals

**2** have worked as reviewers in various journals & conferences

**62** have attended workshops at various places

**9** have attended STTPs

**2** Have worked as Judges at various events.

**19** have given expert talks at various venues.

**1** E book has been published & **1** Interview has been published. Some have worked on advisory boards of conferences etc.

Many Faculty members of our college are working on responsible positions in the University and are the part of various University committees too.

Prof. S. I. Khan has secured *first Prize in AVISHKAR 2016, a research fest ( in PPG Category)* on his work “Preliminary Detection of Coronary Artery Disease using Electronic Stethoscope” Organized by SGB Amravati University at Amravati during 15 and 16 Dec 2016.

I congratulate you all for the excellence shown & on these special achievements!

**Our supporting staff is also active**

Mr. Deepak Bhalekar ,office, has completed his PhD in Library Sciences, he has published a paper in International Journal , A chapter & a book as an international

publication. Ms. Savita B. Bonde (Khande) and Dr. Deepak Bhalekar both have presented a paper each in International Symposium at ISKCOM 2016, at Shirpur, Dhule.

### **Our students are having good contribution in Co-curricular activities**

#### **From Mechanical Engineering Department**

Mr. Virendra Rathod was the **Runners Up** of event ROBO GO organized by Sipna College of Engineering and Technology, Amravati, on 17 Sept, 2016.

Mr. Ritesh S. Chaudhuri and Mr. Vaibhav R. Bidwai of final year attended a National level Medical Device innovation conclave organized for collaboration of Mechanical Engineers and Doctors to come up with innovative solutions to solve medical problems at VNIT, Nagpur on 19-23 Sept. 2016. in which their project “*Skin Grafting Device*”- **stood first**. It was guided by Prof. K.K.Khandare.

I appreciate the effort !

Mr. Sumedh Ambhore was felicitated as a best Volunteer in District NSS Camp held at Deurwadi, Tal. Arni by Dr. Murlidhar Chandekar, Hon. V.C of our University.

About 25 students of the department have participated in various trainings like, PCB Design, CATIA, ANSYS, Implant Trainings, Robo-race etc.

#### **From the Department of Electronics & Tele comm.**

About 10 students have attended technical courses like CCNA, coreJAVA, C, PLC programming at MSME Indo-German tool room Aurangabad.

#### **From the Computer Sci. & IT Department,**

Mr. Swapnil Borkar of Third Yr. IT won the **First prize** in ROBO-RACE in TECHNO-thlon 2016, a National level Technical Event held at College of Engineering & Technology, Akola.

About 13 students have participated in the workshop on “Home Automation using IOT” organized by Govt. College of Engineering, Amravati on February 4<sup>th</sup> & 5<sup>th</sup> 2017.

### **Electrical Engineering Students.**

Ms.Pooja Matte and Ankita Bhoyar, from final year secured **Second** while Mr. Shivraj Soitkar and Ms.Vaidehi Chiddarwar secured **Third prize** in Technical paper presentation “**X-PLORE 16**”.

About **35** students have participated in various technical trainings like Electrical CAD, PLC, PCB Designing etc .Students of the department have attended workshops & other technical events at various venues including IIT Kharagpur.

### **Our students are having good contribution in Extra-curricular activities**

About **33** students of our college participated in the various events like Fine Arts, Literary events, Theater, Dance & Music in the intercollegiate Cultural fest “**Youth Festival 2016**” in the aegis of Sant Gadge baba Amravati University, Amravati, held at Arts & Commerce college Chikhali , Dist Buldhana.

Mr. Akshay Ingole ,Mr.Tejas Bahadure ,Mr, Karan Mishra , Ms Renuka Jironkar, Mr. Shubham Jironkar, and Mr Vaibhav Bahekar have participated in 7<sup>th</sup> Indian Student Parliament (Bharatiya Chaatra Samsad) held at MIT school of Management, Kothrud, Pune from 17<sup>th</sup> to 19<sup>th</sup> Jan 2017.

**National Voters Day** was Celebrated in our college with Sub Division officer & Voter Registraion officer, Pusad. Mr. NitishKumar Ingole SDO, Pusad, Dr. Sanjay Garkal Tahasildar,Pusad. & Mr. Samadhan Wagh BDO Pusad, were the Guest for the function. On this occasion a **Debate Competition** on the topic “Voting awareness amongst the public is essential” was conducted. Many students of our college took part in the competition. Mr. Sohan P. Ghorpade, Mr. Sumedh Ambhore & Ms. Raskhi Jivane Bagged 1<sup>st</sup>,2<sup>nd</sup> & 3<sup>rd</sup> Prize respectively.

### **Coming to the Sport Activities-**

152 students have participated in inter collegiate sports tournament at Sant Gadgebaba Amravati University, Amravati, ( during 22<sup>nd</sup> Aug 2016 to 30<sup>th</sup> of Jan.2017) in events like Table tennis, lawn tennis ,soft ball, baseball, swimming , basket ball ,boxing, badminton, foot ball, cricket, chess, volley ball, kho-kho, kabaddi , Taekwondo, yoga etc.

Mr.Aniket Madhukar Jadhao final year Mechanical received silver medal in Taekwondo tournament at University. Mr. Siddant Kanake, final year Civil has been selected in University Softball team ( as reserve).

The college students' sports club has successfully conducted tennis ball cricket tournament where about 150 students participated (during 31<sup>st</sup> July to 29<sup>th</sup> Aug 2016.) The club has successfully organized volley-ball super four tournament in which near about 95 students have participated( from 19<sup>th</sup> July to 28<sup>th</sup> Aug 2016). About 92 girls have participated in Yoga classes from July to December 2016.

804 students have participated in various sports events for this "Gaiety-2017" tournaments.

On behalf of the college, I congratulate each one of you for your achievement and sincerely feel that your effort with dedication, responsibility and discipline as an individual and as a team will definitely bring glory to our institution.

I take this opportunity on behalf of Babasaheb Naik College of Engineering family, to heartily thank our Management Janata Shikshan Prasarak Mandal, Pusad for extending their wholehearted support and guidance to us.

I thank you all for listening with patient, Thank you very much!