

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

**BRIEF ANNUAL REPORT OF THE INSTITUTE.**

**SESSION 2014-15**

Chairman of the function .....,Chief Guest of today's inaugural function **Shri Vijay Naydu**, Director EDS Education and Development Strategies, Nagpur, Prof G.K. Gattani I/C students affairs, Prof .S.M.Mahajan. I/c Student Representative Council i.e. SRC ,President SRC, Mr. Akash Ghule General Secretary SRC Ms. Ruchi Gattani ,all the office bearers of SRC, NSS representative, deans, LMC members, heads of the department, 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 2014-15, I feel proud & privileged to present the excerpts of the report of our esteemed Institution to this august gathering. It is an occasion to asses our achievements through our journey, towards quality and merit. Let us also look ahead with all the passion to follow the vision and the mission of our organization.

It is a matter of pride & privilege to announce that seven( **7** )of our students have appeared in the merit list of Sant Gadge Baba Amravati University for the summer 2014 Examination leading to the award of degree in Engineering.

Mr. Vaibhav Mohan Chipde has stood **8<sup>th</sup>** merit while Mr. Vivek Vinayak Landge has bagged **10<sup>th</sup>** position in the merit list of the University from Civil Engineering.

From Mechanical Engineering Mr. GauravKumar Sunil Gupta Secured **2<sup>nd</sup>** merit, Mr . Tukaram Shankarrao Sarkate stood **6<sup>th</sup>** ,While Mr. Prashil Manohar Mhaiskar also stood **6<sup>th</sup>** jointly with Mr.Tukaram. Mr.Achut Pradip Banginwar has stood **10<sup>th</sup>** in the merit list of Mechanical Engineering.

Ms. Chetana Ashok Gaikwad has stood **3<sup>rd</sup>** in the order of merit of Computer Science & Engineering.

From **Post graduate students** Mr Rishikesh Sonune has stood **second** in the order of merit in ME CAD/CAM, Mechanical Engineering ,with a CGPA of 8.57.

I most heartily congratulate each one of them & their teachers on behalf of the inmates.

As you all know four of our branches have been accredited, for three years i.e. from March 2012 to 2015.We are looking forward to keep ourselves ready for the **reaccreditation**.

As you are aware, College presently has **ISO 9001:2008** certification. All the internal & external audits have been done successfully in the last session.

**Prof S.Y. Amdani and recently Prof S. N. Dandare** has been conferred with PhD by Sant Gadge Baba Amravati University. I congratulate them for the achievement!

University Grant Commission, New Delhi has approved the Major Research project presented by, **Dr. Abhay N. Gaikwad**, as Principal investigator on “Study of Human Life Sign Detection under Debris or Behind Barrier using Multi-frequency Radar System” and granted Rs. 8.59 lacs for this project. This is the only Research Project selected in entire Vidarbha Region in Electronics Engineering Stream.

**Prof. S.S.Asole had submitted a** mini-project under MHRD, New Delhi namely “An efficient mobility management and smart routing for mobile adhoc network” it is heartening to note that has been sanctioned by the UGC, New Delhi.

Congratulations to both of them!

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

In the present academic session we were able to conduct about 16 campus & pool campus drives from companies like Infosys, L&T InfoTech Pune , Mphasis Pune, Paramatrix Technologies Mumbai, Persistent. Nagpur, Indian Army (UES-25), Piaggio, Quick Heal Technologies, Triveni Turbines, Astral Informatics, Amazatic Solutions, Samundra Meritime, E-Zest Solutions, Divgi Warner. Pune, and White Snow Solution.

From final year computers Ms. Anagha N Nilawar was selected for L&T Info Tech ,Pune .Mr. Saurabh V. Kannawar got selected in Mphasis, Pune and Mr. Shubham V Chiddarwar in Paramatrix Technologies.

From Final Year Mechanical Mr. Kaushlesh K. Sujane was hired for Triveni Turbines , Mr. Saurabh Rajesh for Astral Informatics and Mr. Ajay A Kedar was selected for Divgi Warner Pvt Ltd. Pune.

Eight students have been shortlisted for Indian Army (UES-25) (Third Yr) 2016 batch.

The T & P department also provides training to all the students from second year to final on communication skills , aptitude test through expert external agencies.

Four Students from Electronics namely Ms. Neha Shrikant Malu, Ms. Ekta Mr. Ramrao Rathod, Mr. Sandesh P. Bhagat and Mr. Pralay Ghansham Sakhare have qualified **GATE-2015** .

Mr.Mahesh Pendor of final year computer has successfully cracked GATE Examination -2015.

**The National Service Scheme**, NSS unit of our college is very active .The unit has observed various days in memory of great souls & sons of our soil, Independence day & Republic day programmes including a special camp for 10 days where programmes like village cleanliness, women health issues, spiritual discourses ,water conservation, awareness on social problems were conducted for the benefit of the villagers.

**The College has rich Library** housed in spacious area of 1500 sq. m. This year Library has Purchased general books, Book-Bank Books & Competitive books worth Rs.7,74,000/- during current year. 1915 books have been received till date and remaining books will be procured soon. The Central library has received a grant worth Rs. 7,20,000/- from social Welfare department. Library has a Collection of 58,822. Printed Books . National Journal's (Hard Copy) : 112 worth Rs. 1.40 lakh, E-Journal's: 1147 nos. worth Rs. 19,98,000/-.

Book Bank facility is provided to 20 meritorious students from each semester (all branches) free of cost. Also all 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-2014" has secured **third prize** in the University in the category of professional colleges. It is a matter of delight for all of us. To provide platform for the creativity of the students, our new college magazine "IMPETUS-2015" is getting ready soon.

The IE (I) student chapters of Civil, Mechanical, Electronics & Telecommunication, Comuter Sci & IT. Mechanical Engineering Student association, MESA have conducted huge number of student oriented activities. ISTE Staff Chapter, ISTE student chapter have also conducted various events in this session.

We have a tradition of organizing a **National Level Technical Paper** contest for students named "**THRESHOLD**" for the past Twenty four years. This year it also it was organized very successfully.

Our clubs such as Success Club, Heritage club, a Music Club SPICMACAY, College photography club, College news letter: BNCOE times, all have done a commendable job.

We have a tradition of organizing "**Parent Meet**" every year we are now organizing such meet away from Pusad too.

**Engico student's consumer co-operative is working** with prime objective of fulfilling the daily requirements of students with enthusiasm.

**PECAA (Pusad Engineering College Alumni Association)** has various chapters in India & abroad, being a college with more than 30 years of Engineering education behind, the college has thousands of successful professionals over the

globe including developed nations. Alumni meet for 1991 and 1992 pass out batch is scheduled on 13<sup>th</sup> of April 2015.

The SRC, **Students' Representative Council** for session 2014-15 was constituted on Teachers Day & Engineers Day function organized jointly. The council present besides us on stage is being headed by Mr. Akash G Ghule as President, Mr. Atiqur Rehman Baig Mirza - Vice President, Ms. Ruchi Gattani - General Secretary, Mr. Prathamesh Chopde - Joint Secretary, Mr. Gajanan Kabra - cultural Secretary, Mr. Pranjal V Singh & Ms. Snehal Dalal - Sport Secretaries, Mr. Amol Z Jadhav - Magazine Secretary, Mr. Abhishek Lamne - NSS Representative. While Ms. Pooja Banginwar & Ms. Swati Padole are Lady Representatives.

SRCs Mega cultural event 'Gaiety -2015' is scheduled from today, Variety entertainment programs comprising of Hindi and Marathi skits, Mime, solo & group dances, songs, Mimicry Mono-acting, song competition will be held during 'Gaiety -2015' the social annual gathering.

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

#### **From Department of Civil :**

The Department of civil has received a grant of Rs. 12.0 lacs through AICTE under MODROB Scheme to purchase a Computerized Compression Testing Machine of capacity 500 tons.

Department has conducted one week STTP on "Advances in Geotechnical & Geo-environmental Engineering" approved by ISTE, during 06<sup>th</sup> to 10<sup>th</sup> January 2014.

Department has hosted two days workshop on "Restructuring of syllabi of Civil Engineering", held on 30<sup>th</sup> & 31<sup>st</sup> January 2015 at Department of Civil Engineering, Babasaheb Naik College of Engineering, Pusad.

Department undertakes the consultancy work of various Government & Private Agencies such as Irrigation Department, PWD, MJP, ZP, Nagar Parishad etc.

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

Has organized a two day workshop on "Intelligent Touch Control Robotics Arm" by Technophillia Systems, Mumbai for the students during 1-2<sup>nd</sup> March 2014. 52 students participated in the Workshop.

TEXAS instruments has **donated about** Rs. 50,000/- For innovation of labs for encouraging students to develop innovative projects.

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

has organized an **International Conference** on Emerging Trends in Computer Science & Engineering on 7<sup>th</sup> & 8<sup>th</sup> March 2014 (ICETCSE-2014) in Collaboration with International Journal of Pure and Applied Research in Engineering and Technology and 93 papers had been selected for presentation in the conference.

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

The department is Establishing New laboratories like computer aided machine design lab, control system lab, Electrical energy utilization lab etc.

The IE chapter of the department has organized many activities including expert lectures ,workshops & training programmes.

**The faculty of our college** has numerous achievements like every year, faculty has published a huge number of papers in journals of repute , and also participated in National & International conferences throughout the session.

## **Civil Engineering**

Prof. S.H. Mahure & Prof. J.H. Verma organized Two days workshop as a **Convener & Coordinator** on “Restructuring of syllabi of Civil Engineering SGB, Amravati University, Amravati”, held on 30<sup>th</sup> & 31<sup>st</sup> January 2015 at Department of Civil Engineering, Babasaheb Naik College of Engineering, Pusad.All faculty of Civil Engineering Department attended the workshop.

The faculty of Civil Engineering Department has published 12 papers in International Journals. Prof. S.H. Mahure has published 01 paper,Prof. M.R. Vyawahare- 05 papers,Prof. P.O. Modani -05 papers,Prof. S.I. Khan has also published a paper.

Prof. A.C. Saoji, Prof. J.B. Deshmukh, Prof. S.S. Zambani & Prof. P.O. Modani have attended STE-SRM short term training program on Computer Aided Design (Theory & Practice) at our college during 23<sup>rd</sup> June to 28<sup>th</sup> June 2014.

Prof. J.B. Deshmukh & Prof. A.C. Saoji delivered expert lectures at various organization including our College .

## **Mechanical Engineering**

Prof. S. V. Chopde has registered for **Ph.D** programme in Amravati University.

Prof. A.V. Khapre completed **ME** in Mechanical Engineering.

Teachers presented **30** technical papers in National & International **conferences**. while published **20** technical papers in **International Journals**.

Prof. S. S. Bhagwat attended 2 workshops & 2 STTPs.

Prof. Punde ,Prof Khapre, Prof. Md Rasiq attended workshop & sttp

Prof. S. S. Bhagwat & Prof. M. A. Ali attended Workshop at Adani Power plant at Tirora Gondia.

## **Electronics -**

Prof. A. R. Dudhe , Prof. S. D. Rokade and Mr.Raju Mukera attended VLSI & Embedded Systems International conference at Bangalore organized by IEEE during 3<sup>rd</sup> -8<sup>th</sup> January 2015.

**Nine** research papers are published by the faculty in International/ National Journals and conferences.

### **Comp Sci & Engg-**

Prof. S.S.Asole , Prof. A.S.Dudhe , Prof. S.R.Jadhao and Prof. P.A.Bhalage applied for Ph.D registration at Sant Gadge Baba Amravati University, Amravati.

All most all the staff of the department presented research papers in various areas of Computer Science & Engineering and Information Technology in reputed conferences( National and International ) and their papers were also published in reputed journals.

Some of the faculty members also attended short term training programs of one week / two weeks and workshops for improving knowledge.

Dr.S.Y.Amdani is working as a Reviewer on Technical Program Committee for the 2014 IEEE Recent Advances and Innovations in Engineering (ICRAIE - 2014)

Prof. Amol S.Dudhe, Prof. Narendra U.Chipade, Prof. K.D.Bodhe , Prof. Ms.A.A.Mahamune , Prof. Ms.E.M.Choudhary and Prof. Ms.Surekha B. Chavan Completed their M.E in respective branches.

**From Electrical Department**, which is our newest department, Prof S.M.Agrawal has registered for PhD while most of the faculty has been sponsored for post graduation programme. The University results have been good. Faculty has presented 57 Research papers in national/International conferences. Prof.S.G.Phiske is representing National level Badminton. Prof.P.D.Dudhat is working as regional co-ordinator of NSS of Amravati University.

**From department of Chemistry**-Prof Dr H. K. Wankhade, Head of the Department is working as member of the Committee constituted U/s 32(5) (a) of Sant Gadge Baba Amravati University, Amravati.

Prof Ms V. W. Shiwarkar delivered an Expert Guest Lecture for B Sc Students at P. N. College Pusad, on topic “Carbon Neutrality and Carbon Credits”.

### **From the Department of Mathematics-**

Prof.Dr.S.V.Thakare & Prof.Ms.S.N.Keshwani participated and presented a research paper in the National Conference on “Emerging Trends in Mathematics and Its Applications in Science and Engineering” organized by Department of Mathematics & Humanities ,Yashwantrao Chavhan College of Engg.,Nagpur on 24<sup>th</sup> & 25<sup>th</sup> July 2014 and presented a paper entitled “Higher Dimensional Spherically Symetric Space-time in Bimetric theory of relativity”.

Dr.S.V..Thakare was in the judgement panel( parikshak samiti) in the “district vigyan pradarshani” organized by Yavatmal Jilha Parishad Education Deptt. held in K.D.highschool,Pusad in January 2014 .

### **Department of Physics-**

Prof.D.D.Tatwadi has taught Quantum Mechanics Subject to M.Sc.Sem-I Students for the session 2014-15. He delivered Guest lecturers in Summer camp for Teachers and students at K.D.Jr.College from 21/03/2014 to 23/03/2014.He also worked as a Judge in 40<sup>th</sup> District level Science Exhibition conducted by ZP

Yavatmal and K.D.High School,Pusad from 29/12/2014 to 31/12/2014 at K.D. High School,Pusad.

Prof A.Y. Polkat, department of Humanities, has presented a research paper on “English Language Teaching: The Pedagogical concerns and solutions” in an **international conference** at Tulsiramji Gaikwad Patil College of Engineering and Technology, Nagpur.

Prof RT Pachkor, Prof P D Dudhat, Prof R P Godbole have worked as counselors at “Firta Tantra Shikshan Melava”, organized by DTE in collaboration with Dr. N P Hirani Institute of Polytechnic.

### **Our supporting staff also is very active**

Mr. G. K. Khande present a paper “Open Source Software.” in National Level Conference on Libraries from Palm leaf to Pam Tips. At Phulsing Naik Mahavidyalaya, Pusad on 13<sup>th</sup> & 14<sup>th</sup> Dec., 2014, Ms. S. B. Bonde. presented her paper at the same venue titled “Institutional Repositories: Role of Library & Information Science Professional” Mr. V.R. Jadhao & Mr. C.D.Chavan also attended the event.

Ms. S. B. Bonde, also attend one day workshop on “Intellectual Property Right” at Shri Shivaji Science College, Amravati., on. 22.12.2014.

Mr.R.T.Kaple ,Asst.Programmer has registered for Ph.D. in SGB Amravati University, Amravati.

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

**From the department of civil** , Mr. Balu P Gote, final year, Presented a paper on topic “Grits As a Partial Cement replacement for Concrete” at Sanmati College of Engineering Washim and secured **Second** prize.

Mr. Sameer. Shaikh presented a paper titled “ GW Reuse A Sustainable Solution of water crisis for Pusad city” in 2<sup>nd</sup> **International Conference** on ICAET 2015 at Nagpur, during 25<sup>th</sup> February to 26<sup>th</sup> February 2015.

**From the Computer Sci. & IT Department**, Mr. Mahesh Deshmukh & Mr.Sarang Bhandari presented their paper on “Life Saver Android Application” at Sanmati COE Washim and bagged **first** prize.

Mr.Narendra Chavhan, third year Computer Sci ,presented his paper on “ College Automation” at Jawaharlal Darda Institute of Engineering & Technology, Yavatmal and was adjudged **first**.

Ms.Shweta Bhoyar ,second year, Ms.Neha R Rathod & Mr. Sarang Bhandari third year presented a paper “Life Saver Android Application” at Ram Meghe Institute of Engg & Tech, Badnera ,Amravati. They bagged **Second** prize for the presentation.

Mr.Trishul Wankhede , final year Computer, presented a paper titled “ Web Based Recruitment System” at JDIET Yavatmal and secured **Second** prize.

Mr.Sankalp Motke secured **1<sup>st</sup> Prize** in Paper Presentation Prajwalan XIV at Govt College of Engineering Amravati Dated 25 and 26 Feb. 2014.He has also secured **3<sup>rd</sup> Prize** in Paper Presentation Pragma 2014 held at SGGS Inst of Engg and Technology Nanded Dated 7 to 9<sup>th</sup> March 2014.

Ms.Ruchi Gattani secured **1<sup>st</sup> Prize** in Paper Presentation Horizon 14 at Sanmati Engineering College Washim Dated 24 and 25 Feb. 2014.She has secured **1<sup>st</sup> Prize** in Paper Presentation Pragma 2014 held at SGGS Inst of Engg and Technology Nanded Dated 7 to 9<sup>th</sup> March 2014.She has also Presented a Paper on topic “Rapid Prototyping”, in **International Conference “BLAZE-2104”** organized by Department of Mechanical Engineering, Rajashri Shahu College of Engineering, Buldhana on 13<sup>th</sup> & 14<sup>th</sup> March 2014.

Mr.Gopal Kalpande, Mr.Indrajit Rathod secured **2<sup>nd</sup> Prize** in Project and Model Presentation Horizon 14 at Sanmati Engineering College Washim Dated 24 and 25 Feb. 2014.

Mr.Saurabh Kannawar secured **1<sup>st</sup> Prize** in Paper Presentation Horizon 14 at Sanmati Engineering College Washim Dated 24 and 25 Feb. 2014.

Mr.Saurabh Kannawar secured **1<sup>st</sup> Prize** in Paper Presentation TechTrends 2014 at Surodaya College of Engineering and Technoogy NAGPUR Dated 20 & 21 Feb. 2014

Mr.Kapilkumar Ghate Participated in Indian Student Parliament held at MIT Pune Dated 10 to 12 Jan 2014.

Ms.Pooja Agrawal secured **1<sup>st</sup> Prize** in Paper Presentation Prajwalan XIV at Govt College of Engineering Amravati Dated 25 and 26 Feb. 2014.She has secured **3<sup>rd</sup> Prize** in Paper Presentation Pragma 2014 held at SGGS Inst of Engg and Technology Nanded , 7 to 9<sup>th</sup> March 2014.

**From Electrical Engineering**, Ms. Ankita A Bhoyar & Pooja D Matte from second year presented a paper on “Toner Print Removal By laser” at IBSS college of Engg. Amravati and secured **first prize**.

The industrial tour was organised for 3<sup>rd</sup> year students in Jan.2015.They have visited the industries named PRADNYA TRANSFORMERS and S.HEATWELL LIMITED JALGOAN.43 students have participated.

### **From Mechanical Engineering Department**

More than **50 students** presented the technical papers in National & International Conferences.

Mr. Rahul Sarode, Akshay Bangar, Virendra Rathod secured **First prize** in Robo race at Sipna College at Amrawati.

Mr. Rahul Sarode secured **First prize** in Robo race at Govt College of Engg at Amrawati.

Akshay Bangar, Rahul Sarode, Virndra Rathod won **Second** prize in Robo Marathon at IBSS Engg College Amravati.

Prathamesh Chopade secured **first runner up** prize in National level paper presentation at SGGGS Institute of Engg, Nanded.

Mr. Ansari & Chavhan won **Second Prize** in National level paper presentation at SGGGS Institute of Engg, Nanded.

Nikhil Thakre of third year participated in **Fifth Indian Student Parliament** held at MIT school of Government at Pune.

Virendra Rathod of second year won **second prize** in Robowar and Third prize in Roborace at Jagadmba Engg College.

**85** students visited six industries at Aurangabad for **Industrial Tour**

**125** students completed ProE certification course in the department

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

Four UG/ BE Projects have been selected in Quarter-Final Rounds of NATIONAL TI-Indian Design Contest 2014-15 and are sponsored by TI and components manufactured by TI worth > 25000/-. The semi-final round projects SELECTION is under process and all 4 projects implementation details have been submitted.

TI India Analog Maker Competition 2014, College level contest was organized at our college , 94 participants took part in the competition. Mr. Rakesh Maske, Mr. Pavan V. Dhok, Mr. Badal J. Kharpade, Mr. Sharad M. Rindhe, Mr. Sudhir V. Gandlewar were winners, and Mr. Nikhil Giri, Mr. Pavan Parande, Mr. Pratik Joshi, Mr. Ashish Jawarkar, and Mr. Swapnshil Khadse were runners-up.

Mr. Arif Chavhan (4UB) and Mr. Balaji P. Kokadwar (4UA) were **Winner's** of Mini-Project at National Level Technical Event "TECH-VISION-14" held at Rajarshi Shahu College of Engineering, Buldana on 5<sup>th</sup> March 2014.

Mr. Pratik Dongare (3UA) and Vikil Rawate (4UA) won **first prize** in the event Robo Warrior National Level Students Technical Symposium "Horizon' 14" held at Sanmati Engineering College, Washim during 24<sup>th</sup> and 25<sup>th</sup> February 2014.

Mr. Prajyot A. Rewanwar (3UA) secured **second prize** for his paper titled " Zigbee Technology" in Electronics & Telecommunication group at Suryodaya College of Engineering and Technology, Nagpur held on 20<sup>th</sup> February 2014.

Ms. Amruta Uttarwar (4UA) was adjudged as the Best Student of the Year 2013-14.

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

About 40 students of our college participated in the various events like Fine Arts, Literary events, Theater, Dance & Music intercollegiate Cultural competition **“Youth Festival 2014”** in the aegis of Sant Gadge baba Amravati University, Amravati .A Show **“Paridhan”** was **organized** by the students of our College.

Students have participated enthusiastically in large numbers in events like elocution, quiz, debates extempore etc.

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

The students' sports club has successfully conducted tennis ball cricket tournament where about 150 students participated during 28<sup>th</sup> August to 8<sup>th</sup> Sept 2014. The club has successfully organized volley-ball super four tournament in which near about 75 students have participated from 19<sup>th</sup> July to 28<sup>th</sup> Aug 2014.

159 boys & girl students have participated in inter collegiate tournament at Sant Gadgebaba Amravati University, Amravati. during 30<sup>th</sup> Aug 2014 to 5<sup>th</sup> Jan.2015 , in games like basket ball ,boxing, badminton, foot ball, cricket, chess, cross country, volley ball hand ball, kabaddi, table tennis lawn tennis ,soft ball, baseball, swimming , power lifting, weight lifting & best physique competition.

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

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

I thank the organizers for the opportunity, to present the report.

Thank you all!