

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

### **ANNUAL REPORT OF THE INSTITUTE**

#### **SESSION - 2022-23 (June 2022 to May 2023)**

I am pleased to present a brief Report of Babasaheb Naik College of Engineering, Pusad for the session 2022-23. I am happy to acknowledge that we continue to remain a preferred institute for taking admission for technical education in our area which is being reflected through good number of admissions because of our reputation as a college with resourcefulness, inherent discipline and a very vibrant campus environment.

We have continued to occupy the merit positions in the University list. In Summer – 2022, from Civil Engineering, Ms. Vaishnavi Bhalekar has stood 5<sup>th</sup>, Mr. Nanadkishore Behare has stood 6<sup>th</sup> from Electrical Electronics and Power, Ms. Akanksha Tiwari has bagged 5<sup>th</sup> position while Ms. Shruti Gadewar stood 7<sup>th</sup> in the merit of Computer Science and Engineering.

Bharat Education Excellence Award was Honored to Dr. S. Y. Amdani in the category of “Senior Faculty Award” for the hard work in transforming lives of multitudes of students and driving them towards success. Dr. Buddha Chandrashekar sir, Chief coordinating officer, AICTE awarded him the citation at YVS Murthy Auditorium, Andhra University, Visakhapatnam. He has also been awarded by NITI AYOOG. I congratulate all for these achievements!

**Internal Quality Assurance Cell (IQAC)** has been established to achieve standards of quality education and continual improvement in all concerned processes. The AQAR for session 2021-22 has been successfully submitted on 10.08.23. Preparations for next AQAR 2022-23 are going on, it will be submitted soon, this will be followed by submission next IQAR and then our SSR will be submitted for the second cycle as our NAAC accreditation has completed 5 years.

There are 696 undergraduates while 9 students are doing post graduation in this session

The **AICTE /AISHE cell** has worked earnestly to met all the dates for submission of the AICTE EOA etc .

In academic session 2021-22, **T&P department been successful** placed **81** students in **reputed** organizations include Infosys, TCS, Byjus, Accenture, Capjemini, Fidesto Projects Pvt. Ltd., Suroj Buildcon, Kanaka software, Pune etc.

**Industry Institute Interaction cell** did correspondence with various industries / organisations for internships, industrial projects at UG and PG level, Industry visits, In-plant trainings etc and also signed MOUs with following companies: Atharva Energy Solutions, Pune, BES Electrical Incorporation, Nagpur, Newtech, Nagpur and Varco

Infrastructure (I) Pvt. Ltd., Yavatmal. Dr Sanjay Bhagwat attended TPO development program 2022, TPO-HR conclave on 22<sup>nd</sup> & 23<sup>rd</sup> July, 2022 at Pune. He attended industry academia collaboration meet- 2022 by L&T Edu Tech at Nagpur, Maharashtra, TPO (Western Zone) TPO-HR Summit at Solapur, SAP University Roundtable Conclave 2023 at Nagpur. During these meets, he interacted with HR's of TCS, Infosys, Kirloskar, Bharat Forge, Parmatrix, Hexaware, regarding placements, internships, industrial projects, Industry visits for our college students.

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

**The Women's development cell/** Internal Complaint committee (ICC) evaluates, assists and supports our institute in implementing a policy of zero tolerance on campuses for gender-bias, violence and harassment with the view of eliminating culture of impunity. Along with this, the women's development cell works to develop self confidence among Women and educates them about Women Rights and Welfare Laws, health and hygiene etc by organizing talks, seminars, and workshops relating to the issues. Infrastructural facilities like well-furnished common rooms and security are at place.

The body of this cell is formed according to the norms given by UGC and AICTE. Various activities were conducted as per the Annual Gender Sensitization Action Plan throughout the year. On August 17, 2022 Interaction and Counseling programme was conducted with existing students. Orientation programme for new entrants was organized on September 28, 2022. A counseling session was organized on legal affairs by Adv. Mrs. Anusaya Gajjanrao Deshmukh. On 8<sup>th</sup> of March 2022, International Women's day was celebrated with zeal and enthusiasm with an Essay writing competition. A feedback meeting was conducted on 20<sup>th</sup> April, 2023. Annual gender sensitization action plan was discussed and finalised for the next academic session in the meeting.

**The National Service Scheme NSS unit** conducted various activities, Mr. Shreedhar Khaire and Ms. Aditi Deshmukh were nominated as NSS student representatives. NSS Unit conducted "Paryavaran Janjagruti and Swatchata Saptah" from 7<sup>th</sup> June to 13<sup>th</sup> June, 2022.

NSS unit celebrated the "International Yoga Day" on 21<sup>st</sup> June 2022. Prof. A.C. Saoji was the yoga teachers. All teaching, supporting staff members and students performed yoga.

NSS unit organized various event like Rangoli Competition, Treasure Hunt, Essay competition, Tiranga Rally, Tree Plantation, Cleanliness Drives, Tiranga stall, Quize competition, Har Ghar Tiranga etc. on the occasion of "Azadi ka Amrut Mahotsav" from 1<sup>st</sup> Aug to 18<sup>th</sup> Aug 2022. Birth anniversary of Late Shri. Rajiv Gandhi was celebrated as "Sadbhavana Diwas" on 20<sup>th</sup> Aug.2022. Teacher's Day was Celebrated on 5<sup>th</sup> Sep. 2022 and on this occasion Covid-19 vaccination drive for college staff members and student was organized. On 21<sup>st</sup> Sept. 2022 "Road Safety & Driving Skill" program was

organized. NSS “Foundation Day” was celebrated on 24<sup>th</sup> Sept. 2022, on this occasion expert lecture on “Poshan Aahar and Ranbhanjyanchi Olakh” was delivered by Mr. Amar Rathod, Panchayt Samiti Pusad. NSS unit celebrated birth anniversary of “Mahatma Gandhi” and “Lal Bahadur Shastri” on 2<sup>nd</sup> Oct. 2022.

“Plastic Nirmulan” drive was organized on 10<sup>th</sup> Oct 2022 by NSS unit. Sardar Vallabhbhai Patel birth anniversary was celebrated as “National Integration Day”. Run for Unity was organized on this occasion. Constitution Day program was organized by volunteers on 26<sup>th</sup> Nov.2022.

A blood donation camp was organized, 62 students donated blood, on 28<sup>th</sup> Nov. 2022. On 1<sup>st</sup> of Dec. 2022, an Aids rally was organized in association with Subdistrict Hospital Pusad. NSS unit organized program on National Voters Day on 25<sup>th</sup> Jan. 2023. “International Women’s Day” was celebrated on 8<sup>th</sup> Mar. 2023 and on this occasion Dr. Sunita Halde and Adv. Anusaya Deshmukh guided the girl students on various issues related to women rights.

The Annual NSS Camp was organized from 20<sup>th</sup> Mar. to 26<sup>th</sup> Mar. 2023 at village Vadsad (Tanda). During the camp many programs like Water Conservation, Tree Plantation, Voters Awareness, social issues like feticide of the Girl Child, Andhshradha Nirmulan and Swachata Abhiyan were organized. Women health checkup was done by Dr. Sau Meera Dange, ENT check up was done by Dr. Vishwas Dange and Dental checkup was done by Mrs. Dr. Sushma Rathod. Our NSS unit created “Vanrai Bandhara” and “Vihir Recharge” project for the benefit of villagers. Many other activities like drawing competition, Quiz Competition and cultural programmes were also organized during the camp.

On 17<sup>th</sup> May, 2023 an address on “Eco friendly Life Style” was delivered by Prof. R.P. Godbole. The unit has celebrated “Late Shri Sudhakar Naik Jayanti” as Jal “Sandharan Diwas” on 21<sup>st</sup> Aug 2022; “Teachers Day” on 5<sup>th</sup> Sep 2022, “Engineers Day” on 15<sup>th</sup> Sep 2022, “Savitribai Phule Jayanti” on 3<sup>rd</sup> Jan 2023, “Vivekanand Jayanti” and “Rajmata Jijausaheb Bhosle Jayanti” as “Yuva Day” on 12<sup>th</sup> Jan 2023; “Shiv Jayanti” on 19<sup>th</sup> Feb. 2023; Shri. Sant Gadge Baba Jayanti on 23<sup>rd</sup> Feb. 2023. The unit also celebrated “Dr. Babasaheb Ambedkar Jayanti” on 14<sup>th</sup> April, 2023.

Research Centre, Research Proposals & IPR is working with preparing a few more proposals.

**UBA (Unnat Bharat Abhiyan) cell of BNCOE, Pusad** has been actively involved in interacting with the rural population of the adopted villages including visits at adopted villages under Unnat Bharat Abiyaan. Discussions with Gram Panchayat on various issues and survey was held and a technical proposal has been forwarded.

**The College has rich Library** housed in spacious area of 986 sq.m. It is a fully computerized library with LIBSYS Software. Various services are offered like Book Lending, Open Access (General, Reference & Periodical Section), Reprography, Internet Service, Scanning Facility, Audio-Video OPAC (On-line Public Access Catalogue), Reading Space. Library has more than 60,000 printed books, National Journals. Library has MoU with DELNET (Developing Library Network 400E-JI). All India Technical

Institute Network, New Delhi. It is a computerized library with LIBSYS software. Library has collaboration with National Digital Library of IIT Kharagpur to have an online access to Journals & books; video courses by Swayam Prabha with 32 DTH channels are also available.

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.

**Mentor- Mentee Scheme** is a structured to attempt to address a range of students related issues with personal touch, which is working nicely; attempts to improve its affectivity have been taken; **online meetings** have been conducted for guidance and counseling of students. All the students in various disciplines have been successfully mentored by faculty members.

On 8<sup>th</sup> of March 2022, International Women's day was celebrated with zeal and enthusiasm with an Essay writing competition. A feedback meeting was conducted on 20 April, 2023 Annual gender sensitization action plan was discussed and finalized for the next academic session in the meeting.

**In Student counseling cell** many students avail the facility of personal counseling on decision making, health, psychological issues, academic support etc.

**IE(I) Students Chapter** CSE Department conducted various programs like Future Career opportunities and BNCOE Ecosystem to promote Innovation and start-ups by Dr.H.B. Nanwala as in house expert on 03.08.22, Expert Talk on topic "Warehouse Management for E-Commerce Services" by Mr. Ranjeet Bahekar was arranged on 16/11/2022. A 2-day workshop on Problem solving & Ideation, web development with "Python and Django" on 18/11/2022 & 19/11/2022 for third and final year students. While Mr. Anurag Gundappa, Occupied Academy, Pune was resource person. An "Interaction Program with students by Alumni" was organized on 28/01/2023, where Mr. Sanjay Khanna, Director, Capgemini, Airoli, Mumbai and Mr. Shantunu Das talked on Industries, Placements, future career etc. Seminar on "Career Counseling and role of LinkedIn" for 3<sup>rd</sup> year & final year students was held on 15/02/2023, the counselor was Ms. Sanjana Jadhav, talent Acquisition Associate, Delweiss. A programme on "Competitive exam, preparation Technical section" for students of First Year and Second Year was organized, by Mr. Akshay Netankar, Dy. General Manager, Reliance Jio, Bangalore guided the students. Another session on "Role of Bigdata" was arranged, expert was Mr. Nilesh Vijay Pise, Data Science Engineer, Coherent Company, Hyderabad. "Role of Cryptography in Block Chain Fundamentals" was organized for 3<sup>rd</sup> year & final year students on 21/02/2023, expert was Mr. Jaipal Rathod. Mr. Rajesh Rajkolhe, Machine Learning Engineer, Crif High Mark, Pune talked on Importance of ML, on 12/04/2023 in another technical program.

Executive body of **Students Representative Council** for session 2022-23 was constituted on 1<sup>st</sup> December, 2022 as per the University directives. The Council was headed by Mr. Yatharth Tatwadi as President, Mr. Shankar Deshmukh General Secretary, Ms. Sanika Asegaonkar, Vice President, Mr. Gaurav Bavaskar Sport Secretary, Ms. Dipali Bhalashankar Lady Sport Representative, Mr. Aayush Vishwakarma, Cultural Secretary, Ms. Tammana Bhiwani and Pratiksha Bele Lady Representatives and Mr. Shridhar Khare and Ms. Aditi Deshmukh as NSS Representatives.

On the concluding day of induction program for fresher, SRC Conducted Fresher's Welcome Day for all first year Students on 1<sup>st</sup> December, 2022. The Orientation Programm was conducted for them. In this function, Dr. Avinash Wankhade, Principal guided to students regarding facilities available in the institute, students benefit programmes, Social Welfare Schemes along with all HoDs Dr. S. S. Asole, Prof. R. P. Godbole and Prof. P. D. Dudhat also guided to the students. The function was followed by cultural programme, Snacks and high tea with all first year students.

SRC conducted Environmental and Hobby Tour for Second year students of all branches at Lonar lake, Buldana on 8<sup>th</sup> January, 2023.

On 7<sup>th</sup> April, 2023 Traditional Day Celebration along with FETE. Mega Cultural Event "Gaiety 2023" was celebrated on 8<sup>th</sup> April, 2023. Dr. Avinash Wankhade, Principal inaugurated the function. Prof. G. K. Gattani, Prof. Incharge Students affairs, Prof. P. D. Dudhat, Prof. In-charge SRC ad Dr. S. S. Bhagwat, NSS Programm Officer were present on the dias.

In variety entertainment programme, participants performed in solo and group dance, solo and group songs, Musical Drama, Mimicry were performed.

Fair Well Function for Final Year students was organized on 27<sup>th</sup> May, 2023. Dr. Avinash Wankhade, Principal was the Chairman of the function along with HoD of all the department. Prof. G. K. Gattani and Prof. P. D. Dudhat were present on the dais. Dr. Avinash Wankhade conveyed his best wishes on behalf of the institute to all final year student for better career and healthy life in the future. The function was followed by dinner with all final year students.

### **The Departments have various achievements like every year**

**Department of Civil Engineering** has undertaken the consultancy work of various Government & Private Agencies such as Irrigation Department, PWD, MJP, ZP, Nagar Parishad etc. Department took the students to visit various sites nearby Pusad. Interactive session with prominent Alumni were conducted like with Mr. Vipul Kumar Garg (Founder of FEDISTO Project Pvt. Ltd) for 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> year Student on 28<sup>th</sup> January, 2023, Ms. Sayali Manwar held a session on preparation for MPSC Civil Engineering services on 21/11/2022. Mr. Prajwal Pawar (Alumni) talked on "Preparation for jobs in IT sector" on 21/11/2022.

**Department of Mechanical Engineering** runs various software classes (certificate courses) like CATIA, SOLID WORK, PRO-E, ANSYS and MASTER CAM throughout the year. MESA organized Industrial visit to “Pophali Sugar Factory” on 23<sup>rd</sup> April 2023. Twenty one ( 21) students and one faculty visited the factory.

**Department of Computer Science & Engineering** organized one week faculty development program on “AI Based Nature Inspired Optimization Methods” scheduled from 9<sup>th</sup> January to 13<sup>th</sup> January, 2023 in association with Institute of AI, MITWPU, Pune. Dr. S. S. Asole was the Convener and Prof. S.T. Khandare was the Coordinator for the program. 108 participants from various states have taken advantage of this FDP. Department has conducted programmes for students on CORE JAVA, OOPS etc

**Department of Artificial Intelligence and Data Science** is being further furnished. Infrastructural development has been done. Good number of PCs with advanced specifications have been procured.

**The Department of Science & Humanities** takes care of subjects like Professional Communication skills, soft skills, Engineering Mathematics, Applied Physics; Engineering Chemistry. Department is providing substantial academic support to the fresh entrants. While teaching environmental studies, Social Sciences, Economics for higher classes. The department also contributes to the training of the students from the placement point of view through Language Laboratory. Department has 13 faculty members.

**Workshop department** plays key role for project fabrication of final year students of mechanical Engineering and other branches.

**The faculty of our college has numerous academic achievements like every year.**

**18** faculty members have published paper in **international Journals & conferences**, **4** have worked as **reviewers** in various journals & conferences, **22** have attended **workshops, FDPs and STTPs & webinars** at various places.. **few patents have been registered**, Many Faculty members of our college are working on responsible positions in the university and are the part of various university committees as well.

**Our students are having good contribution in Co-curricular activities-** Mr. Hareshwar A. Wadhonkar published three research paper on soil treatments in international journal (IJSRSET),

On behalf of the college, I congratulate each one of you for your achievement and sincerely feel that your effort with commitment and discipline as an individual and as a team will definitely bring laurels 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.

Dr. Avinash Wankhade

Principal