

JSPM's
BHIVARABAI SAWANT INSTITUTE OF TECHNOLOGY AND
RESEARCH, WAGHOLI, PUNE 412 207

Gate No. 719/ 1 & 2, Nagar Road, Wagholi, Pune, Maharashtra 412207
Approved By AICTE, New Delhi, Govt.Of Maharashtra & Affiliated To Savitribai Phule Pune University



IQAC ANNUAL REPORT

ACADEMIC YEAR 2020-2021

Institute's Vision

"Satisfy the aspirations of youth force, who want to lead nation towards prosperity through techno-economic development."

Institute's Mission

"To provide, nurture and maintain an environment of high academic excellence, research and entrepreneurship for all aspiring students, which will prepare them to face global challenges maintaining high ethical and moral standards."

Introduction:

The Jayawant Shikshan Prasarak Mandal is a charitable educational trust, a pioneer in imparting quality technical education in the field of Engineering, Pharmacy, Management, Computer Applications etc. It has established five campuses in Pune at Tathawade, Hadapsar, Wagholi & Bavadhan & Narhe. Each campus consists institutes of global competitiveness.

Bhivarabai Sawant Institute of Technology & Research (BSIOTR) is one among the competent engineering colleges, established in 2009-10 and is situated on a picturesque heart throbbing landscape at Wagholi on Nagar –Pune Road. The institute offers Under Graduate courses in Electrical Engineering, Computer Engineering, Information Technology, Electronics & Telecommunication, Mechanical Engineering. The core strength of this institute is highly qualified, dedicated & experienced faculty, well equipped laboratories and state of art infrastructure.

Faculty members in this institute strive hard to impart quality technical knowledge so as to produce the technocrats of futuristic vision. The Institute promotes Research activities which provide a platform to enhance the research attitude. The students who aspire to become engineers are groomed with appropriate technology expected in the industries. Technical forums, student associations and study groups are the avenues in the institute to enhance the technical & soft-skills. The students are oriented and counseled through an unique concept of Guardian Faculty Member. A teacher is GFM for a group of students (not more than 20) who is responsible to guide the students through counseling to achieve academic excellence.

BSIOTR is a temple of knowledge where technocrats who are responsible for the techno-economic growth of the nation are produced.

Principals Message:

Jayawant Shikshan Prasarak Mandal's Bhivarabai Sawant Institute of Technology & Research (BSIOTR) is an institution where students are groomed into technocrats having the skill sets compatible to the industries/employers and the society at large. The academic infrastructure of the institute is having state of the art facilities like smart boards, virtual class rooms and internet and Wi-Fi enabled class rooms to facilitate the teacher to implement the well-crafted curriculum in an effective manner to achieve the goal of outcome based education. Different teaching methodologies and modern teaching tools adopted by the teacher in teaching-learning process, supplemented with extra-curricular and co-curricular activities help the students to acquire the skills required to pursue their dream career. We believe in strong and cordial interaction between teachers and students which is an essential parameter to help the students to achieve greatness in academics, extracurricular and co-curricular achievements. This is being practiced in this institute with great care and devotion. BSIOTR expects its graduating students to excel with their skills both inside and outside of the classroom. I would like to express through this message that, you being part of this institution as a student or staff member, would definitely feel proud of yourself because of its excellent teaching-learning environment and commitment to serve the nation for its techno-economic development. I welcome all the students who wish to be part of BSIOTR to fulfill their aspirations of becoming an able engineer who will fulfill the needs of the industries, society and the nation. Good intention and smart efforts never go waste. And team work is a key factor for success. So we believe in team work for grooming the students.

Dr. T. K. Nagaraj
Principal

QUALITY OBJECTIVES

1. To inculcate the Motto “Excel and Prevail.”
2. To imbibe quality consciousness at all levels of the staff.
3. Strict NO to compromise with quality.
4. Strive to do still better.
5. Discourage Short Cuts.

Academic Activities:

- In academic year 2020-21 total number of students admitted including all FE SE, TE, BE, DSE and ME are 1957
- Total Number of Teaching staff in Academic year 2020-21 are 125 and non-teaching staff 106
- As per requirement of NBA we have inculcated OBE concept to faculty members and students.
- Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are displayed on Institute website.
- Numbers of full time teachers are 11 with NET/SET/Ph.D. in academic year 2020-21 in JSPM’s BSIOTR.
- The MOODLE is being used for Assessment and Evaluation by conduction of tests, assignments and mini-projects.
- 1023 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. and successfully completed.
- Institution integrates cross cutting issues into the curriculum by offering the audit courses prescribed by affiliating university, which address cross cutting issues. In addition the various community approach activities are also conducted under the banner of National Service Scheme (NSS) and Student Development Cell (SDC).
- Other activities initiated by the institute Blood donation camp: Inculcating human values Tree plantation: Environment and Sustainability Celebration of birth anniversary of great Indian personalities: Inculcating human values & culture Visit to Orphanage Inculcating human values and social responsibility. Speech by spiritual

leaders: Professional Ethics, Gender, Human Values, Community approach activities under NSS camp: Social Responsibilities.

- Feedback collected, analyzed, action taken & communicated to the relevant bodies and feedback hosted on the institutional website.
- The Project Based Learning is adopted for the self-study components. The students have to do projects pertaining to a course. The final year Projects are mentored and evaluated by externals from other institutes and industry. These projects are evaluated by a well-defined detailed rubrics framework to ensure quality of the projects. The best projects are sponsored to attend the project competitions.
- Audit courses as per syllabus of SPPU and 14 Value added programmes are conducted on various topics. The students are also trained towards abstract writing, technical paper writing and literature survey.
- Modern Tool Usage: Wi-Fi enabled smart Boards, LCD projectors, MOODLE are used in teaching learning process.
- Industry-Institute-Interaction: Soft Skill training programs, Expert lectures, industrial visits are conducted with the industry personnel for enhancing the learning levels of the graduates.
- Grant received from BCUD SPPU is 7.045 lakh
- Research Initiatives: Project funding schemes are offered to encourage students to undertake research projects. Project based learning and internships are encouraged and students have completed it successfully. Financial support was provided by the management to students to participate in project competitions, conferences, publications in journal.
- Technical Clubs/Labs: The Institution has well equipped and dedicated labs, technical clubs for development of innovative projects. e.g. Robotics and E-Yantra Lab, Coders Club, etc.
- Professional Society Chapters - The Institution has well established chapters under professional societies like IEEE, ISTE, IETE, CSI, Various project competitions, seminars, community development activities, etc are organized under the societies.
- Centre for Innovation Incubation & Linkage: This cell established in collaboration with the affiliating university to promote innovation and incubation.
- 13 activities have been conducted under National Service Scheme such as Arogya Setu

App Awareness, Tree Plantation in Campus, Mask Making Program, NSS Unity Day Celebration, Guest Lecture on Worlds AIDS Day etc.

- 15 Number of Workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship development.
- 86 research papers are published in the Journals notified on UGC CARE during 2020-21
- 22 books and chapters are published during 2020-21
- Two functional MoUs have signed with Radiant IT Services Pvt Ltd and Bharat Sanchar Nigam Limited (BSNL) for internsh ip, on-the-job training, project work and collaborative research during AY 2020-21

Student Progression 2020-21

- Number of final year students who passed the university examination in academic year 2020-21 are 596 out of 600.
 - 278 students placed and progressed to higher education year wise during 2020-21 and 6 students qualifying in state/ national/ international level examinations year wise during 2020-21 (eg: IIT/JAM/NET/SLET/GATE/ GMAT/ GPAT/ CLAT/ CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)
- Mr. Pankaj Pawar awarded for Kukkiwons 1St Dan Taekwondo Pramotion Test outstanding performance in sports/cultural activities at national/international level and total 3 students were participated in different inter collegiate sports and cultural activities.
- 1611 students benefited by scholarships and free-ships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the 2020-21
- 8 activities organized in capacity development and skills enhancement activities are organized for improving students' capability 1.Soft skills 2.Language and communication skills 3.Life skills (Yoga, physical fitness, health and hygiene) 4.ICT/computing skills. total 881 students enrolled and benefited by these activities.
- 10 teachers provided with financial support to attend conferences/workshops and

towards membership fee of professional bodies during 2020-21

- 73 teaching and non-teaching staff members participated in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the academic year 2020-21
- The institute has a strong ethical work culture that is based on inclusivity. Gender sensitivity is an inherent value in the cultural ethos of the institute as is evidenced by the following facilities – Safety and Security, Counseling.
- National and international commemorative days, events and festivals celebrated by students associations. The Institution celebrates Engineer’s Day on 15th September to recognize and honor the achievements of the great engineer Sir Mokshagundam Visvesvaraya. Various national festivals and Women’s day is celebrated on International Women’s Day i.e. 8th March to show respect towards women in all the efforts taken by them to manage their personal and professional life and for their contributions. International Yoga Day is celebrated in the Institution on 21st June to bring awareness about the health benefits of yoga among the students and the faculties. Gender audit is carried out to evaluate participation of male and female students in various types of events.

P V Jatti
IQAC Coordinator

Dr. T. K. Nagaraj
Principal
(Chairperson IQAC)