

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 18-19

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

Good Better Best, Never Let It Rest.....

We at JSPM are committed to provide value based quality education maintaining pace with changing technology to produce competent and skilled professionals ready to accept global challenges.

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 2018-19 total no of students admitted in FE -270 against intake sectioned 492, in DSE -345 and PG-11 including all SE, TE, BE total number of students are 1787.
- Total Number of Teaching staff in Academic year 2018-19 are 125 and non-teaching staff 82.
- As per requirement of NBA we have started to inculcate OBE concept to faculty members and students.
- Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on Institute website.
- Numbers of full time teachers are ten (10) with NET/SET/Ph.D. in academic year 2018-19 in JSPM’s BSIOTR.
- The MOODLE is being used for Assessment and Evaluation by conduction of tests, assignments and mini-projects.
- Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the 834 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 20 Value added programmes are conducted on various topics. The students are also trained towards abstract writing, technical paper writing and literature survey.
- The OBE is practiced in true spirit resulting in more focused all-round development of our students.
- 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 one lakh.
- Centre for Innovation Incubation and Entrepreneurship Development (CIED) within institute
- 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..
- National Service Scheme: NSS unit (Unit No:A98)recognized by affiliating university (Savitribai Phule Pune University) for 100 students is one of the platform created for conduction of community approach activities to help the students to sensitize them towards social problems, environment and sustainability, giving back to society etc
- 14 activities have been conducted under National Service Scheme.
- Workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship are five (15) in umbers.
- 144 research papers are published in the Journals notified on UGC CARE during 2018-19.
- 15 books and chapters are published during 2018-19
- Total 07 functional MoUs have signed with institutions/ industries in India for internship, on-the-job training, project work and collaborative research during AY 2018-19.

Result AY 2018-19:

- Number of final year students who passed the university examination in academic year 2018-19 are 397 out of 418.
- 133 students placed and progressed to higher education year wise during 2018-19.
- 7 students qualifying in state/ national/ international level examinations year wise during 2018-19 (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)

- 03students awarded for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during 2018-19.
- 20 students in project completions, paper presentation of the Institution participated during 2018-19

Infrastructure:

- The Institution provides adequate facilities and ensures the best possible utilization of physical infrastructure to support the teaching-learning process, co-curricular, extracurricular activities and an ecosystem for research and innovation.

- The infrastructure and facilities fulfill the norms laid by AICTE, DTE, and SPPU.

Physical infrastructure like Classrooms, Tutorial Rooms, Laboratories, Machine Shop (Workshop) and Seminar Halls are available to conduct session/Expert talk etc.

- In addition to this, the Institution has distinctive auditorium with seating capacity of 320 people, administrative rooms, and examination control room, central and departmental libraries, a computer center, two language laboratories, Video Conferencing Room, Sick room and ambulance available 24/7.
- The Institution has adequate number of ICT-enabled classrooms and seminar halls. All classrooms and seminar halls have Wi-Fi/internet facilities for an effective teaching-learning process. They are well equipped with green boards, LCD projectors, and Smart boards.
- An expenditure of 47.16 lakhs has been allocated and expended for the development of infrastructure, reflecting a commitment to enhancing the overall growth and progress of the designated area.
- Band Width: 100 Mbps Content Ratio: 1:1(Gold) Campus Level Updating: 100 Mpbs to 200Mpbs.
- 165.63 Lakhs, Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during academic year 2018-19.
- 1474 students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the 2018-19.

- 63 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
- One thousand and eighty two (1082) students get benefitted by guidance for competitive examinations and career counseling offered by the Institution during the 2018-19.
- The Alumni Association was registered with the charity commissioner office in August 2017(MAHA/1097/2017/Pune).
- Alumni contributed in terms to deliver the expert session as their expertise. (Guiding and Motivating)
- Institution implements e-governance in its operations 1.Administration 2.Finance and Accounts 3.Student Admission and Support 4.Examination.
- 25 teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during 2018-19.
- 126 (45+81) 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 2018-19.
- 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.

Library Facilities:

- The central library is automated with software and is equipped with e-resources.
- Open access software “Koha” is used for management of library support.
- OPAC software used for quick access to library resources.
- There are a total of 3646 titles and 16644 volumes
- A digital library is made available for browsing/searching.
- The reading room is well furnished with seating capacity of around 200 students / faculty.

Conclusion:

The institution is implementing the teaching–learning process with a well-planned process keeping in mind the importance of Outcome Based Education for a diversified student fraternity to make them capable of pursuing their professional career with moral and ethical values for socio-economic development. It is a great opportunity for the institution to shape the future of the students with Academic Flexibility, student-centric activities, project-based learning, internships, community approach activities etc. At the same time it is a great challenge for the institute to make the students industry-ready to cope up with the ever-changing technologies. The learner-centered teaching process through appropriate methodologies such as participative learning, experiential learning and collaborative learning modes, is facilitating effective learning. The institution's Teachers' readiness and expertise in the use of ICT tools and teaching methodologies help the students in their learning process. The key factor which should not be missed out to mention here is the honest and committed Governance and the support rendered by the institution's management in academic and administrative process by providing all necessary amenities, facilities and financial support.

P V Jatti
IQAC Coordinator

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