

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

(DTE-6311)

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 2021-22**

## **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 academics excellence, research and entrepreneurship for all aspiring students, which will prepare them to face global challenges maintaining high ethical and moral standards."

## **Introduction:**

JSPM's Bhivarabai Sawant Institute of Technology and Research (BSIOTR) is approved by the All India Council for Technical Education (AICTE) and Directorate of Technical Education (DTE) Government of Maharashtra and Affiliated to Savitribai Phule Pune University (SPPU), Maharashtra State. The institute is a self-financed private organization established in the year 2009. It is located at GAT No.720/1&2, Pune-Nagar road, Wagholi, Pune and its geographical location is latitude 18.58614 and longitude 74.003956. The institute is offering full-time five undergraduate courses and two post-graduate courses in an engineering discipline. Eleven batches of students have graduated from the institute. The institution is committed to imparting quality technical education to achieve its vision and mission.

The institute is offering five undergraduate and two postgraduate programs affiliated to the Savitribai Phule Pune University (SPPU). 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 fulfil the norms laid by AICTE, DTE, and SPPU. The facilities are regularly upgraded considering the need of stake holders.

## **Principals Message:**

JSPM'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 fulfil 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**

## **Academic Activities:**

- In academic year 2021-22 total number of students admitted including all FE SE, TE, BE, DSE and ME are 1802
- Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the Institution is displayed on Institute website.
- Numbers of full time teachers are 8 with NET/SET/Ph.D. in academic year 2020-21 in the institute.
- Total 12 Number Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc have arranged and 841 students enrolled in these programs
- Rupees One lakh received grant from AICTE,NEW DELHI to BSIOTR MANTHAN CLUB Under the Scheme AICTE SPICES.
- Total 16 workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship were organised as research initiative
- 131 research papers are published in the Journals notified on UGC CARE during 2021-22
- 12 books and chapters are published during 2021-22 .
- 25 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS.
- Six functional MoUs have signed for internship, on-the-job training, project work and collaborative research during AY 2021-22 such as Seventh Sense People Development Solutions Pvt Ltd, RPG Foundation, GTT Foundation, Imperial institute of Excellence Pune, Neeshionics Dolphin Labs Embedded Systems etc. industries

### **Student Progression 2021-22 :**

- Number of final year students who passed the university examination in academic year 2020-21 are 456 out of 498.
- 418 were students in different industries offering salary package from 1.8 to lakhs per annum out of 546 final year outgoing students and progressed to higher education year wise during 2021-22..Total placement percentage in 2021-22 is above 90%

- 1148 students benefited by scholarships and free-ships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the 2021-22
- 1133 students benefitted by guidance for competitive examinations and career counselling offered by the Institution during 2021-22 such as How to crack GATE Exam, Seminar on Microsoft Certification Programs with different Technologies and job opportunities, Opportunities for Engineers in Public Sector Examinations by Infinity Engineering Academy and Placement and Higher Studies Opportunities through GATE and other Competitive Exams by Imperial Institute of Excellence .
- Total different 11 sports and cultural activities organized in the institute like cricket, carom, chess, foot ball, kho-kho, Basket ball, volley ball, badminton and annual social gathering.
- Different 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 by Yoga, physical fitness, health and hygiene). 4.ICT/computing skills. total 881 students enrolled and benefited by these activities.
- 12 teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during 2021-22
- 112 teaching and non-teaching staff members participated in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative trainingi programs during the academic year 2021-22
- 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.

## **Best Practices**

The institution has taken initiatives to shift learning from traditional “teacher centric” to the “student centric” approach. Following are some of the efforts been taken to make learning more student-centric:-

### **Experiential learning: -**

Students are encouraged to undertake internship programs, hands on training, industrial training, sponsored projects in order to make them industry ready graduates. Further institute organizes industrial visits, field trips for the students to make them aware of the current market working trends and technologies. Various technical events like model making, robot making, circuit-designing, 3D- sculpt making, etc. are arranged.

#### **1. Participative learning**

Students are recurrently motivated to participate in curricular, co- curricular and extracurricular activities so that they become industry ready confident candidates and an amalgam of knowledge and persona. Different departments organize paper presentation, mini- projects, project, and poster-making competitions for the students to promote participative learning. “Cynosure” is a national level technical event organized annually by the institute. This is a platform created to promote awareness of advancements in respective fields and showcase technical expertise and talent of the students. To realize student participation, institute engages students in a number of modern teaching learning methodologies like role play, group discussions, brain storming sessions, etc.

#### **Role play-**

Here group of students simulate a scenario by assuming specific roles. Students work through a situation and try to enact a concept/scenario by making the concept live by conversing the dialogues between their group- members. This technique is an excellent mechanism of participative learning since students play their specific role and interact with their peers in order to accomplish their assigned task.

#### **Brainstorming sessions –**

Random cases pertaining to day to day issues faced by industry, real life scenarios; technical, non-technical aspects, etc. are explored to nurture the student’s problem solving skills.

#### **Group Discussions-**

To develop students into future leaders in industry, institute inspires students to participate in a number of group discussions.

**Paper presentation: -**

Students are exposed to latest trends and practices in industry through case studies and research work presented in the form of research papers.

**Project competitions:** Institute conducts in-house and outbound competitions pertaining to all Disciplines by assigning a task in the form of competition.

**Conclusion:**

The institution is dedicated to executing a well-structured teaching–learning process, emphasizing the significance of Outcome Based Education for a diverse student body. The goal is to equip students with the skills necessary to embark on their professional journeys while upholding moral and ethical values for socio-economic development. This presents a valuable opportunity for the institution to shape the future of its students, emphasizing Academic Flexibility, student-centric activities, project-based learning, internships, and community-oriented initiatives. Simultaneously, it poses a significant challenge to prepare students for the dynamic demands of industry and evolving technologies.

To address this challenge, the institution has embraced a learner-centered teaching approach employing methodologies such as participative learning, experiential learning, and collaborative learning modes, fostering effective learning. The institution's faculty members are well-prepared and proficient in utilizing Information and Communication Technology (ICT) tools and innovative teaching methods, enhancing the overall learning experience for students.

Noteworthy in this context is the institution's transparent and dedicated governance, coupled with unwavering support from the management. Their commitment is evident in facilitating both academic and administrative processes by providing essential amenities, state-of-the-art facilities, and necessary financial support. This holistic approach ensures a conducive environment for the holistic development of students.

**P V Jatti**  
**IQAC Coordinator**

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