Placement Brochure

B.E. Information Technology
(2020 - 21)

AUGUST 2021

Department of Computer Engineering
SHRAM SADHANA BOMBAY TRUST'S
COLLEGE OF ENGINEERING & TECHNOLOGY,
BAMBHORI, POST BOX NO. 94, JALGAON- 425001. (M.S.)

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Foreword

Founded in 1983, Shram Sadhana Bombay Trust's College of Engineering and Technology, Bambhori, Jalgaon has a legacy of academic and professional excellence. It imparts knowledge in Engineering and Management. The faculty, staff, students and alumni have actively worked in cohesion to create conducive environment for preparing competent, value added and patriotic engineers of integrity of par excellence to meet global standards for societal development.

In view of the changing trends in digital era, the institute has left no stone unturned in preparing knowledgeable, competent and value-added IT Engineers. The technical brilliance of the students coupled with the aptitude to learn and absorb new concepts, has paved way to accomplish their milestones. Given the right opportunity, I firmly believe that they can become one of the most treasured assets of any organization.

I am delighted to present before you the placement brochure for the year 2020-2021 of the under graduate course in Information Technology. I also wish our students the best of luck in their future careers.

Dr. Kishor S. Wani
PRINCIPAL

From HoD's Desk

Dear Recruiter,

Warm Greetings from SSBT, Jalgaon!

It is a matter of great pride for me to address you as a potential recruiter and talent seeker from Department of Computer Engineering, SSBT's College of Engineering and Technology, Bambhori, Jalgaon. Ever since the establishment of this department it has been playing a very significant role in shaping the careers of aspiring young minds of Information Technology students through inclusive development as dreamers of tomorrow.

The academic environment of teaching & learning in this department is unique with the latest knowledge and skills. The students in this department are innovative and creative with high ethical and moral values. The department has groomed the students to face the real world challenges and to be the good citizen of India.

I am pleased to convey that a batch of highly talented young students is ready to take up challenging responsibilities of the corporate world. I sincerely invite you to select the right talent for your esteemed organization and make them part of your development process and nation building.

I wish that the association between SSBT and your organization will be taken to greater heights in the current and forthcoming academic years.

Dr. Girish Kumar Patnaik
Professor & Head

Vision, Mission and Objectives of the Institute

OUR INSPIRATION

Smt.PRATIBHA DEVISINGH PATIL
Former President of India
Founder Chairperson, Shram Sadhana Bombay Trust

Dr.DEVISINGH R. SHEKHAWAT
Former Chairman, Governing Body
An Eminent Educationist
The Founder President of Vidya Bhartai Shaikshanik Mandal, Amravati

Shri.RAOSAHEB D. SHEKHAWAT
Chairman & Managing Trustee
Shram Sadhana Bombay Trust

Vision: Today we carry the flame of quality education, knowledge and progressive technology for global societal development; tomorrow the flame will glow even brighter

Mission: To provide conducive environment for preparing competent, value added and patriotic engineers of integrity of par excellence to meet global standards for societal development

Objectives:

- To impart innovative teaching and learning
- To provide quality education with futuristic trends in engineering and technology
- To develop the institute as a research center for academic excellence
- To ensure continual improvement in quality management system
- To inculcate social values, patriotism and professional ethics among students.

About the Department

The Information Technology department offers a very promising future for its students in the field of software development, hardware and information technology. The department is having well established and spacious laboratories with computers, licensed software's, furniture etc. costing approximately Rs. 40 lacks.

Vision: To emerge as the leading Computer Engineering department for inclusive development of students.

Mission: To provide student-centered conducive environment for preparing knowledgeable, competent and value-added computer engineers.

Salient Features of the department are as follows.

- There are 10 different Laboratories in our Department

- Total Computer in Department: 189

- Peripherals/ Printers in Department : Printers: 14, Scanners: 01, OHP: 02 ,Switch: 12, LCD Projector:03 and Rack: 11

- Total investment on Equipment in IT Department : Rs. 39,60,140/-

- Number of Terminals in Network: 189

- Software's under Microsoft Campus Agreement

- Internet accessibility of 60 MBPS (TATA LEASED LINE) in College Campus

- Departmental Library consisting of more than 192 Books

Various activities conducted by the department for the students are as follows.

- Python Workshop

- Career Oriented Add-On Courses

- Expert lecture on Aptitude exam

- Expert Lectures for Industry Interaction

- Personality Development & Soft Skill Training

Program Educational Objectives (PEOs)

- **PEO 1.** Core Knowledge –Information Technology engineering graduates will have the knowledge of basic science and Engineering skills, Humanities, social science, management and conceptual and practical understanding of core computer engineering area with project development.

- **PEO 2.** Employment/ Continuing Education Information Technology engineering graduates will have the knowledge of Industry-based technical skills to succeed in entry level engineering position at various industries as well as in academics.

- **PEO 3.** Professional Competency - Information Technology engineering graduates will have the ability to communicate effectively in English, to accumulate and disseminate the knowledge and to work effectively in a team with a sense of social awareness.

Program Outcomes (POs)

Engineering Graduates will be able to:

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

- **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

- **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

- **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

- **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

- **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

- **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

- **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

- **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

- **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

- **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

- **Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

Information Technology Engineering Graduates will be able to:

- **Software Systems Development:** Apply the theoretical concepts of computer engineering and practical knowledge in analysis, design and development of software systems.

- **Open Source Software:** Demonstrate familiarity and practical competence with a broad range of programming languages and open source platforms.

- **Computer Proficiency:** Exhibit proficiency through latest technologies in demonstrating the ability for work efficacy to the industry &society.

Student Profile

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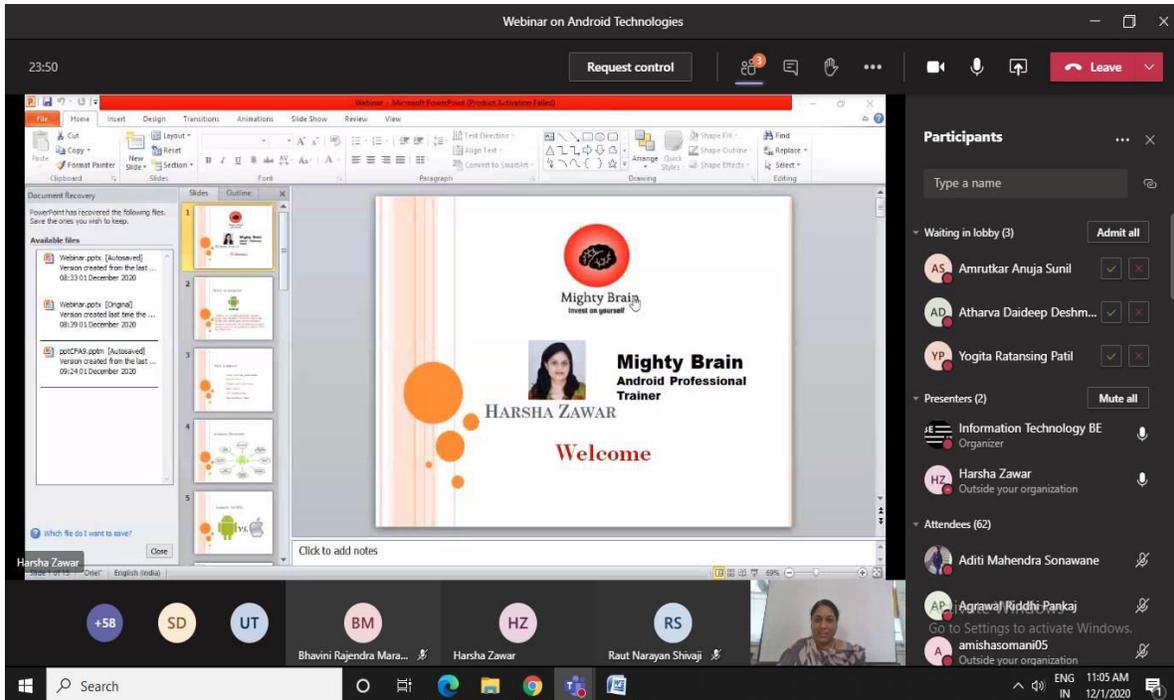|			
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Our Culture

A team of students from the department represented INDIA at Future Health Hackathon 2071 held on February 20 – 22, 2021. Future Healthcare Hackathon 2071 is the International event organized by UAE INNOVATES 2021 under the UAE ministry of Health and Prevention in association with Entrepreneur and BOLT to foster entrepreneurship and innovation. The team includes Rakhi Malu from B.E. Information Technology. The other team members are Aditya Nathani, Samksha Wani, Yashashree Mahajan, Gopal Agrawal and Chetan Badgujar from B.E. Computer. Under AI Challenge category, the team presented the idea of sequence modeling of words2vec using Natural Language Processing (NLP) with the help of RNN for creating Smart Healthcare System to diagnose disease of patients by using its past history, symptoms and health reports. Technical Stack used for the same are Flutter framework, Dialog Flow, Python, ML Kit, Tensor Flow, Firebase etc.

There were around 56 teams worldwide from countries like Egypt, Ireland, United Arab Emirates including India. Performance and contribution by the team in the event was well appreciated by jury members.

The department has been cultivating technical minds of current batch Information Technology students through various training programs such as Python, C#, and R language, Android Technologies etc. Such trainings have ensured the required technical skills among the students for better job opportunities and to face real world problems.

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