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Onered Programmes

B.Tech. (Information Technology)

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Programme Overview

B.Tech Information Technology is a four-year programme that endeavours to impart quality education in the areas of information technology. It has a cutting-edge curriculum with a focus on the latest trends in technology that covers areas like database systems, cloud computing, cyber security, blockchain technology, and artificial intelligence and machine learning.

Program Educational Outcome:

The B.Tech Information Technology Program is offered to:

- Cultivate IT graduates for industry pertaining to Information Technology solutions.
- Practice technical competency and teamwork abilities.
- Exhibit social responsibilities by following ethical practices in graduates' professional pursuit.

Programme Outcomes

Key Information

Duration

4 Years

Eligibility

- The candidate should be Indian National.
- Passed 10+2
 examinations with
 Physics and
 Mathematics as
 compulsory
 subjects along with
 one of the
 Chemistry /
 Biotechnology /
 Biology / Technical
 vocational subject.
 Obtained at least
 50% (45% in case of
 candidate belongs

- **PSO 1:** Use knowledge of core and allied courses for developing a computer-based system to deliver a quality product for real-world problems of society.
- PSO 2: Apply Modern IT tools and techniques for perusing their professional career by practicing effective communication with team members.
- PSO 3: Develop time-bound, cost-effective, and sustainable solutions by following professional ethics.

PEO

The B. Tech Information Technology Program is offered to:

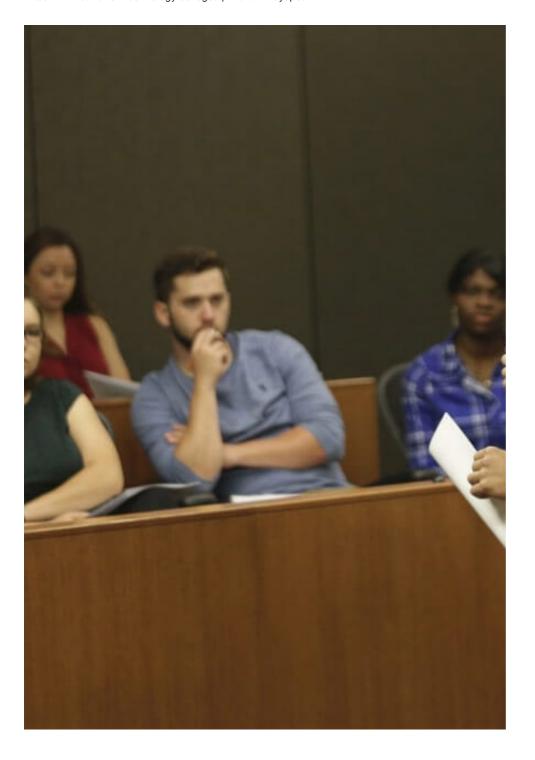
- **PEO 1:** Cultivate IT graduates for industry pertaining to Information Technology solutions.
- PEO 2: Practice technical competency and teamwork abilities.
- PEO 3: Exhibit social responsibilities by following ethical practices in graduates' professional pursuit.

Students will be able to:

- to reserved category (SC/ST) above subjects taken together. OR
- Passed diploma in Engineering and Technology and obtained at least 50% marks (at least 45% marks, in case of backward class categories and persons with Disability candidates belonging to Maharashtra state only)

- Apply knowledge of mathematics, and computer science to analyze computer-based information system.
- Apply logical and programming skills to identify, formulate, analyze for solving computational problems.
- Examine complex problem by diagnosis of available information to provide appropriate conclusion.
- Design applications with suitable consideration of societal needs.
- Use functional skills of modern IT tools and techniques for modeling and implementation.
- Play the role as a team player to accomplish a common goal.
- Convey technological concepts through significant documentation and presentation skills.
- Demonstrate professional conduct by following norms of the engineering practice.
- Apply software engineering methodologies for sustainable development.
- Follow ethical and legal practices related to functioning of IT industry.
- Apply management skills and techniques for creating timebound and cost-effective projects.
- Exhibit lifelong learning by upgrading to state-of-the-art IT practices and technology.

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Career Prospect

A B.Tech in Information Technology (a variety of career options with high packages. Graduates with this degre explore the following lucrative employment opportunities.

- IT Analyst
- Programmer
- Software Engineer
- Software Analyst
- Web Developer
- System Engineer
- Maintenance Engineer
- Support Specialist

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Syllabus And Structure 2014



Course Structure



My name is Varun Srivastava, pursuing my E Information Technology. Here, I underwent and experiences leading to an overall develo limited to my academics. This college provio domains to upskill ourselves. The IT Department thinking out of the box. I would like to thank who have constantly motivated, assisted by for molding me to what I am today. I am pro

Varun Shrivastava 2021-22