Bharati Vidyapeeth
(Deemed to be University)

About **Programmes** **Colleges** **Campuses** **Academics** **Research** **Alumni** Admissions 2023

Offered Programmes

B.Tech. (Electronics and Telecommunications Engineering)

APPLY NOW   **ADMISSION ENQUIRY**

Programme Overview

The Electronics and Telecommunication Engineering department offers the best-in-class B.Tech programme in Electronics and Telecommunication Engineering. The duration of this undergraduate engineering programme is four years. The curriculum is designed to impart in-depth understanding and knowledge of signal processing and circuits. It also focuses on developing technical skills and providing hands-on experience through industrial visits and internships.

Program Educational Objectives:

- To prepare graduates for successful career in Electronics & Telecommunication and allied fields.

- To prepare the graduates for their career aspirations towards higher studies in Engineering and Management.

- To prepare the graduates to become successful Entrepreneurs.

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

Programme Outcomes

- ✅ Possess an ability to apply and demonstrate the usage of hardware and software platform for a variety of real-world applications keeping up with societal, environmental issues with professional ethics.

- ✅ Develop an ability to apply mathematical and statistical methods for analysis and design of Electronic and Communication system.

Program Outcomes (PO):

B.Tech (E&TC) Graduate will be able to:

50% (45% in case of candidate belongs 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)

- ✅ **PO 1 -** Apply the knowledge of Mathematics, Science and Engineering fundamentals to solve Electronics and Telecommunication engineering problems.

- ✅ **PO 2 -** Identify, formulate and analyze complex Electronics and Telecommunication engineering problems.

- ✅ **PO 3 -** Design systems, components and processes in the field of Electronics and Telecommunications that conform to the given specifications and cost constraints

- ✅ **PO 4 -** Configure, apply test conditions and evaluate outcomes of experimental Electronics and Telecommunication systems

- ✅ **PO 5 -** Select and use appropriate modern engineering tool for design and analysis in Electronics and Telecommunication, with an understanding of the constraints.

- ✅ **PO 6 -** Work cooperatively, respectfully, creatively and responsibly as a member of a team

- ✅ **PO 7 -** Communicate effectively using verbal, written and graphical skills.

- ✅ **PO 8 -** Have awareness of societal, health, safety, legal, and cultural issues and understand responsibilities relevant to professional engineering practices.

- ✅ **PO 9 -** Understand the norms of expected behavior in engineering practice and their underlying ethical foundations.

- ✅ **PO 10 -** Have awareness of environmental concerns and their importance in developing sustainable Electronics and Telecommunication engineering solutions.

- ✅ **PO 11 -** Apply Engineering and Management principles for project work, as an individual or in a team.

- ✅ **PO 12 -** Acquire and apply required information independently as a process of life - long learning.

Program Educational Objectives (PEO)

- ✓ **PEO 1 -** To prepare graduates for successful career in Electronics & Telecommunication and allied fields.

- ✓ **PEO 2 -** To prepare the graduates for their career aspirations towards higher studies in Engineering and Management.

- ✓ **PEO 3 -** To prepare the graduates to become successful Entrepreneurs.

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Career Prospect

A B.Tech degree in Electronics and Telecommunications Engineering bri
plethora of career options to the tab
Some of the career options that
graduates with this degree can choo
are:

- Electronics and Telecommunic
  Engineer

- Electronics and Telecommunic
  Consultantr

- Software Analyst

- Network Planning Engineer

- Service Engineer

- Field Test Engineer

- Customer Support Engineer
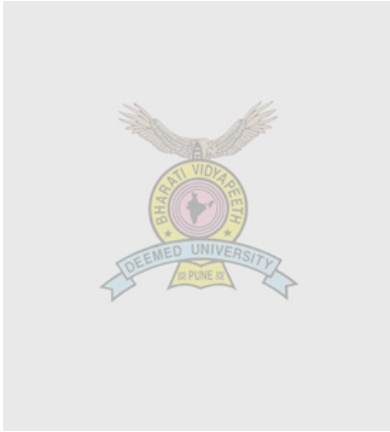
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📄 **E&TC-Syllabus 2021**   📄 **E&TC-Structure & Syllabus 2021-Final--28th Nov, 2021**

📄 **Syllabus 2021-July 22- 2ND YR.**

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The institute has played an important role in department provided independence to students dreams. Faculty members have been consid good environment to students.

Abhijeet Singh
2018