



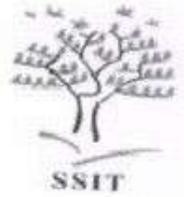
Criterion 2: Teaching Learning and Evaluation

2.6.1 Program Outcomes (POs) and Course Outcome (COs) for all program offered by institution are stated and displayed on website.

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Sarvasiddhanta Education Society's
Swaminarayan Siddhanta Institute of Technology, Nagpur
Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University
Nagpur-Katol Highway Road, Khapri (Kothe),
Tal: Kalmeshwar, Nagpur, Maharashtra-441501
Department of Electronics and Telecommunication Engineering



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VISION AND MISSION OF THE INSTITUTE

Vision :

To emerge as an institute of academic excellence and creating technocrats with professional skills & human values.

MISSION:

1. To provide, nurture and maintain an environment of high academic excellence.
2. To inculcate research and entrepreneurship skills among the students.
3. To develop the soft skills and professional skills among students which will prepare them to face global challenges.
4. To imbibe the ethical and moral values among the students so as to make them capable of handling societal problems.



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Nagpur, Maharashtra, India

6VV2+9MC, Nagpur, Maharashtra 441501, India

Lat 21.243742°

Long 78.85132°

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Principal

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of Technology, Kalmeshwar,
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Department of Electronics and Telecommunication Engineering

VISION AND MISSION OF DEPARTMENT

VISION:

To provide quality education in the field of Electronics and Telecommunication Engineering and to develop technocrats with problem solving skills, leadership qualities, interpersonal skills, strategic designing, professional ethics and moral values.

MISSION:

1. To promote research activities among students and faculty members.
2. To offer healthy learning culture to students, faculty and staff members for developing excellent engineers.
3. To impart in depth knowledge in the field of Electronics and Telecommunication Engineering according to recent and future requirement of society.
4. To create technically sound engineers with spirit of teamwork and professionally responsible citizens.

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Department of Electronics and Telecommunication Engineering

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

1. To build strong foundation in Electronics and Telecommunication Engineering to excel in competitive exam and to pursue higher studies.
2. To prepare students to become employable in both public and private sector industries.
3. To impart professional ethics, effective communication skills and dynamic leadership qualities to the students.

PROGRAM SPECIFIC OUTCOME (PSOs)

1. Graduates will have capability to identify, analyse & solve the problems related to Electronics and Telecommunication Engineering by applying the fundamental knowledge of Electronics and Telecommunication.
2. Graduate will be able to pursue higher studies and to be employable in the field of Electronics and Telecommunication and also to become entrepreneur.
3. Graduate will be able to apply their knowledge to assess societal, environmental, health, safety issues with professional ethics.

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Department of Electronics and Telecommunication Engineering

PROGRAM OUTCOMES (POs):

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **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.
3. **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.
4. **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.
5. **Modern tool usage:** Apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **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.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of and use for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communications:** 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.
11. **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.
12. **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.

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