

Vyasapuri, Bandlaguda, Post : Keshavgi,
Hyderabad - 500 005. T.S. INDIA
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9652216001, 9550544411, Website : www.mist.ac.in
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Counseling code: **MHVR**, University Code: **E3**

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affiliated to JNT University, Hyd.



Institute Mission & Vision

MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY

VISION
To be a centre of excellence in technical education with research orientation and to develop human resources to serve the society and nation building.

MISSION
To provide comprehensive technical education programmes in various disciplines and to contribute effectively to the profession and the society.
Establishing excellence in inter disciplinary areas which are important and relevant to industrial employment with scope for research.
To inculcate human values and ethical practices to the graduates through co-curricular and extracurricular activities.

Latitude 17° 18' 28.90728" N Longitude 78° 27' 21.68748" E
City & State Hyderabad, Telangana Country India
Known Place Chandrayangutta
Postal Code 500005





Program Outcomes

Program Outcomes (Pos):

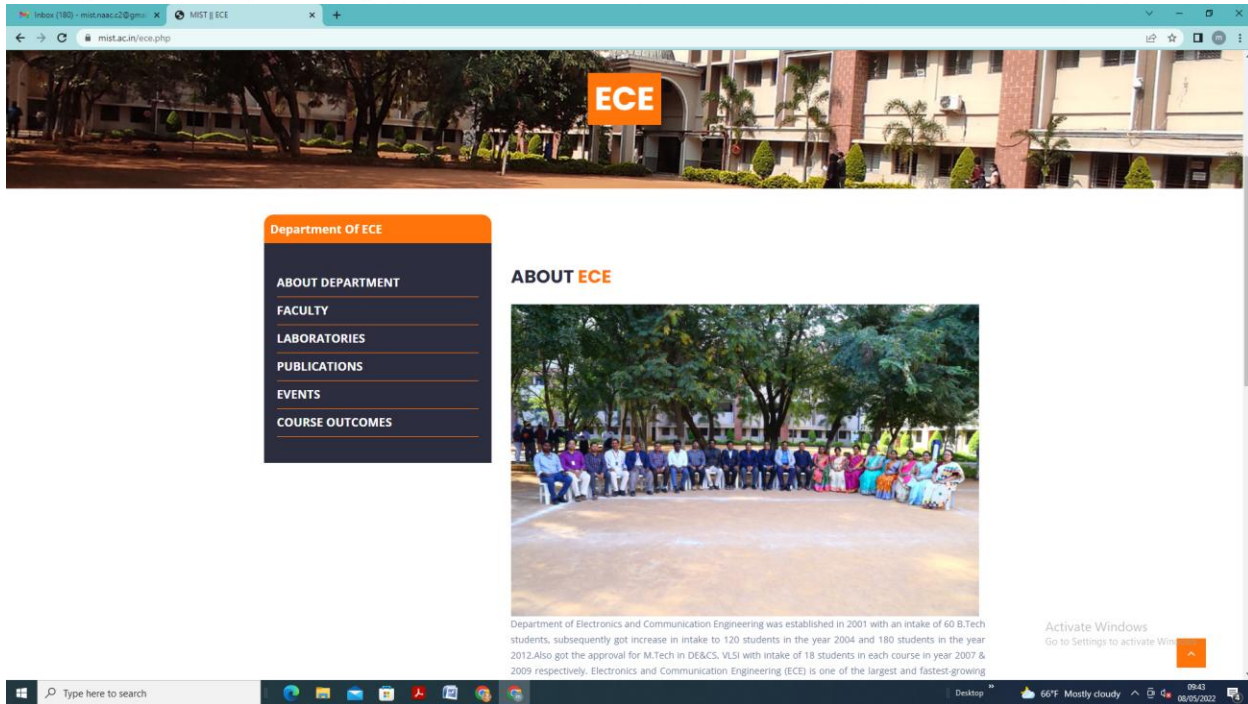
- 1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching 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:** 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.
- 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 need 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 multi disciplinary settings.
- 10. Communication:** Communicate effectively on diverse engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, be effective speakers, listen and give and receive clear instructions.
- 11. Project management and finance:** Demonstrate knowledge and understanding of the management principles and apply these to one's own work, as a member and leader in teams to manage projects and in multi disciplinary 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.

Latitude: 17° 18' 29.394" N
Longitude: 78° 27' 22.15008" E
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Country: India
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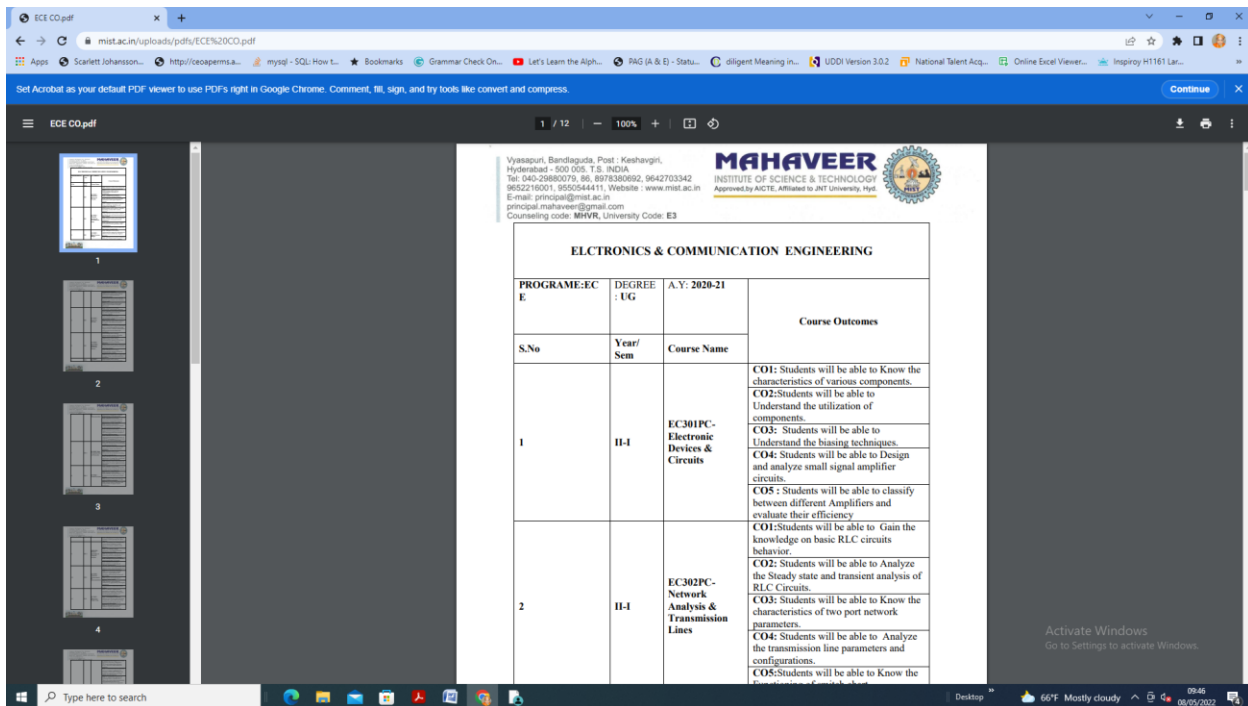


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ECE Department course outcomes



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CSE department website course out comes

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COMPUTER SCIENCE & ENGINEERING

Program : B. Tech. Computer Science & Engineering		Academic Year : 2020-21	Semester : I & II
S.No	Year /Sem	Course Code	Course Name
1	III	CS301ES	Analog and Digital Electronics
2	III	CS302FC	Data Structures

Course Outcomes

CO 1: Acquire knowledge of electrical characteristics of ideal and practical diodes under forward and reverse bias to analyze and design diode application circuits such as rectifiers.

CO 2: Utilize operational principles of bipolar to derive appropriate small-signal models and use them for the analysis of basic circuits.

CO 3: Understand the basic concept of number systems, Boolean algebra principles.

CO 4: Understand minimization techniques for Boolean algebra.

CO 5: Analyze Combination logic circuit such as multiplexers, adders, decoders.

CO 1: Choose appropriate data structures to represent data items.

CO 2: Analyze the time and space complexities of algorithms.

CO 3: Design programs using a variety of data structures such as stacks, queues, hash tables, binary trees, search trees, heaps, graphs and B-trees.

CO 4: Analyze and implement various kinds of searching and sorting methods.

CO 5: Describe how arrays, linked structures, stacks, queues, trees, and graphs are represented in memory.

CO 1: Describe the conditional probability and state the Baye's theorem and solve its applications.

CO 2: Solve the problems on random



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EEE department website course out comes

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ELECTRICAL & ELECTRONICS ENGINEERING

PROGRAMME	DEGREE: UG	REG: R18(III) & R16(IV)	
: B.TECH		A.Y: 2020-21	
(EEE)		SEMESTER: I AND II	
S.No	Year/ Sem	Course Name	Course Outcomes
1	II-I	Engineering Mechanics (EE301ES)	CO 1: Determine resultant of forces acting on a body and analyse equilibrium of a body subjected to a system of forces. CO 2: Solve problem of bodies subjected to friction. CO 3: Find the location of centroid and calculate moment of inertia of a given section. CO 4: Understand the kinetics and kinematics of a body undergoing rectilinear, curvilinear, rotary motion and rigid body motion. CO 5: Solve problems using work energy equations for translation, fixed axis rotation and plane motion and solve problems of vibration.
2	II-I	Electrical Circuit Analysis (EE302PC)	CO 1: Apply network theorems for the analysis of electrical circuits. CO 2: Obtain the transient and steady-state response of electrical circuits. CO 3: Analyze circuits in the sinusoidal steady-state (single-phase and three-phase). CO 4: Analyze two port circuit behavior. CO 5: Analyze circuits by using Laplace Transform
3	II-I	Analog Electronics (EE303PC)	CO 1: Know the characteristics, utilization of various components. CO 2: Understand the biasing techniques CO 3: Design and analyze various rectifiers, small signal amplifier circuits. CO 4: Design sinusoidal and non-sinusoidal oscillators. CO 5: A thorough understanding, functioning of OP-AMP; design OP-AMP based circuits with linear integrated circuits. CO 1: Identify different parts of a DC machine &

