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Vidyavardhini's College Of Engineering & Technology, Vasai Road

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(Approved by AICTE, DTE Maharashtra and Affiliated to University of Mumbai)

NBA & NAAC Accredited

Electronics and Telecommunication

Home»Electronics and Telecommunication Engineering

Dr. Amrita RupereeAssociate Professor & Head of DepartmentThe Department of Electronics and Telecommunication Engineering (EXTC) was established in the year 1994 with the aim of providing state of the art education in the field of Electronics and Telecommunication Engineering. Since then, the department has evolved to match the ever-changing needs of the industry with highly qualified faculty members and staff. We provide Undergraduate program with an intake of 60 seats. Ensuring the efforts for continuous development the Department is accredited by National Board of Accreditation (NBA) from 2012- 2015, reaccredited fromJuly 2022 to June 2025and is permanently affiliated to University of Mumbai.The department is equipped with the state-of-the-art laboratories with advance equipment and recent software for academic studies and research along with industry labs set up by Texas Instruments. Highly qualified and experienced faculty members (more than 15 years) are the greatest asset to the department. To make the teaching-learning process interesting and interactive the faculty uses various instructional pedagogies, innovative techniques, and ICT

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tools. Department is also associated with international and national students' chapters like IEEE and IETE. Department in association with student chapters, regularly conducts various activities on emerging technology trends. The department strives for all round development of the students by implementing Outcome Based Education systems with regular focus on extra-curricular activities like sports, cultural events, and technical events along with academic schedule. Department has signed MOUs with 12 industries, enhancing placement support, and fostering career growth of students. The Department encourages industry projects, Internships and organizes industrial visits with the aim of providing practical learning opportunities essential for student development and allowing to experience the working environment and gain awareness of industry standards. The consistent placements in renowned national and international Companies have enabled the students to contribute their skills and knowledge globally.

Dr. Amrita Ruperee

Associate Professor & Head of Department

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Vision To contrive educational and research environment to serve industry and society needs in the field of electronics and telecommunication engineering. Mission To enrich soft skills, ethical values, environmental and societal awareness. To develop technical proficiency through projects and laboratory work. To encourage students for lifelong learning through interaction with outside world.

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Vision

Mission

The composition of the PAQIC Committee of Electronics & Telecommunication Engineering department for the academic year 2022-23 is as follows::Members:1. Dr. Amrita Ruperee, HOD EXTC, (Chairman)2. Dr. Vikas Gupta, Professor, Dean of Academics3. Dr. Sunayana Jadhav, Assistant Professor, EXTC Department4. Dr. Megha Trivedi, HOD, Computer Engineering Department5. Dr. Ashish Vanmali, Associate Professor, Information Technology Department6. Mrs. Trupti Shah, Assistant Professor, EXTC Department (Coordinator)Frequency Of Meeting:Minimum 2 per academic yearRoles and responsibilities:The roles and responsibilities of the PAQIC are as follows:Devise Standard Operating Procedure for assessment and evaluation of Outcome Based Education (OBE) for the program.Confirming the linkage of PO, PSO and CO with of institute and department vision, mission .Periodic review of assessment data & identification of gaps/shortfalls in programRecommend plan of action to bridge the gap and monitor its implementationReview of quality/relevance of assessment processes and tools for attainment of COs, POs and PSOsPreparing the compliance report as per requirement of accreditation activitiesPeriodic revision of Program Educational Objectives (PEOs), PSO etc.The PAQIC Coordinator will hold the responsibility of scheduling of meeting, recording of Minutes and compiling the action taken report

The composition of the PAQIC Committee of Electronics & Telecommunication Engineering department for the academic year 2022-23 is as follows::

Members:

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Frequency Of Meeting:

Roles and responsibilities:

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 multidisciplinary settings.
10. Communication: Communicate effectively on complex engineering

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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.

Program Educational Objectives (PEOs):

1. The graduates will exhibit knowledge of mathematics, science, electronics, and communication, and will be able to apply the same in diversified field.
2. The graduates will develop a habit of continuous learning while working in multidisciplinary environment.
3. The graduates will grow as an individual with proficiency in technical skills, ethical values, communication skills, teamwork and professionalism.

Program Specific Outcomes (PSOs):

At the end of the program engineering graduate will be able to

1. To apply the knowledge of Electronics and Communication to analyse, design and implement application specific problems with modern tools.
2. Adapt emerging technologies with continuous learning in the field of electronics and telecommunication engineering with appropriate solutions to real life problems.

Program Outcomes (POs):

Program Educational Objectives (PEOs):

Program Specific Outcomes (PSOs):

Departmental Advisory Board (DAB) The Departmental Advisory Board (DAB) has been formed with

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the purpose of remaining up to date with the latest requirements of the industry, academics and incorporating necessary components in the curricular and extracurricular activities. The DAB is composed of representative members from eminent institutions, industry, alumni, parents, students and faculty of the department. Following are the members of the committee the three consecutive academic year starting from 2020-21.

SR.NO.	NAME	OF THE
1	DR. H. V. VANKUDREPRINCIPAL	VCET, Vasai
2	DR. VIKAS GUPTA	DEAN ACADEMICS, VCET, VASAI
3	DR. AMRITA RUPEREE	HOD, EXTC, (VCET, VASAI)
4	MR. NARENDRA KALE	DIRECTOR, N. TECHNOLOGY SOLUTIONS, NAVI MUMBAI
5	MR. AMIT VERMA	PRODUCT MANAGER, BILLDESK, MUMBAI
6	DR. LOCHAN JOLLY	PROFESSOR, DEAN (STUDENT & STAFF WELFARE), TCET, MUMBAI
7	DR. HARISH DIXIT	ASST. PROFESSOR, BITS PILLANI, HYDERABAD
8	MR. B. PETKAR	PARENT REPRESENTATIVE, VARTAK COLLEGE
9	DR. SUNAYANA JADHAV	SECRETARY (DAB),

ASST. PROFESSOR, VCET, Vasai

10	MR. KUSHAL RAUT	TE STUDENT, VCET, Vasai
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Departmental Advisory Board (DAB)

Dr. Vikas Gupta	Professor & Dean Academics	vikas.gupta@vcet.edu.in
Dr. Amrita Ruperee	Associate Professor & Head Of Department	hoda_extc@vcet.edu.in

amrita.ruperee@vcet.edu.in	Dr. Sunayana Jadhav	Asst. Prof. & First Year Engg. Co-Ordinator	sunayana.jadhav@vcet.edu.in
Ms. Shaista Khan	Asst. Prof. (Ph.D pursuing)	shaista.khan@vcet.edu.in	Ms. Shraddha Gosavi
Prof. Shraddha Gosavi	Asst. Prof.	Sandhya Supalkar	Asst. Prof.

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Prof.sandhya.supalkar@vcet.edu.in	Ms. Ashwini	Katkar	Asst. Prof.	(Ph.D
pursuing)ashwini.katkar@vcet.edu.in	Ms. Neha	Gharat	Asst. Prof.	(Ph.D
pursuing)neha.gharat@vcet.edu.in	Ms. Ekta	Naik	Asst. Prof.	(Ph.D
pursuing)ekta.naik@vcet.edu.in	Ms. Trupti Shah	Asst. Prof.	trupti.shah@vcet.edu.in	Mr. Sandeep
Pawar	Asst. Prof.	sandeep.pawar@vcet.edu.in		

Dr. Vikas Gupta

Professor & Dean Academics

Dr. Amrita Ruperee

Associate Professor & Head Of Department

Dr. Sunayana Jadhav

Asst. Prof. & First Year Engg. Co-Ordinator

sunayana.jadhav@vcet.edu.in

Ms. Shaista Khan

Ms. Shraddha Gosavi

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Ms. Sandhya Supalkar

sandhya.supalkar@vcet.edu.in

Ms. Ashwini Katkar

Ms. Neha Gharat

Ms. Ekta Naik

Ms. Trupti Shah

trupti.shah@vcet.edu.in

Mr. Sandeep Pawar

Student AchievementsOutreach activityBest Outgoing

Slide 1Microwave And Antenna LaboratorySlide 1Signal Processing LaboratorySlide 1Project
LaboratoryBasic Electrical LaboratoryBasic Electrical LaboratoryBasic Electrical LaboratoryBasic
Electrical LaboratoryBasicBasic Electrical LaboratorySlide 1Embedded System and VLSI
LaboratorySlide 1Software Simulation LaboratorySlide 1Communication LaboratoryeclSignal
Processing LaboratoryElectronics Circuit Laboratory

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Toppers: 22-23 SETEBE Solanki Harsh (SGPI ? 9.09) Patil Vijay R. (SGPI ? 9.25) Raut Kushal Dipak (CGPI-9.38) Mote Rashmi P. (SGPI -8.57) Kargatia Nikhil P. (SGPI -8.92) Riddhesh Vanjara (CGPI -9.35) Wadekar Kaushal P. (SGPI ? 8.32) Tandel Dhanashree A. (SGPI ? 8.77) Dodiya Harsh (CGPI -9.34) Toppers: 21-22 SETEBE Solanki Harsh (SGPI ? 9.09) Patil Vijay R. (SGPI ? 9.25) Raut Kushal Dipak (CGPI-9.38) Mote Rashmi P. (SGPI -8.57) Kargatia Nikhil P. (SGPI -8.92) Dodiya Harsh Nitesh (CGPI -9.34) Wadekar Kaushal P. (SGPI ? 8.32) Tandel Dhanashree A. (SGPI ? 8.77) Nalanda Patil (CGPI -8.98)

Toppers: 22-23

Toppers: 21-22

Syllabus :R 19 SETEBE PO PSO CO

:R16R19

Syllabus :R 19

PO PSO CO

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Time Table 2023-24 Even Sem 2023-24 Odd Sem

Time Table

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Innovation in Teaching Learning :Year 2020-21Year 2021-22Year 2022-23

Innovation in Teaching Learning :

ObjectivesETA (Electronics and Telecommunication engineer?s Association) is a literature committee of EXTC department. It provides a platform for the students to stay updated with present and future technology. ETA provides good opportunities to students in bringing out their talents related to writing, editing while promoting the habit of research. A key focus on the habit of research, as students? research for advancement in various technological sectors, we believe the exposure they receive because of this could ultimately help them make a more informed decision about their post graduate journey.

NewsletterAcademic Year 2023-24Newsletter 1Academic Year 2022-23Newsletter 1Newsletter 2Academic Year 2021-22Newsletter 1Newsletter 2Academic Year 2020-21Newsletter 1Newsletter 2Academic Year 2019-20Newsletter 1Newsletter 2Academic Year 2018-19Newsletter 1Newsletter 2Academic Year 2017-18Newsletter 1Newsletter 2Magazine2023-242022-232021-222020-212019-202018-192017-18Committee DetailsStaff

InchargeMs. ASHWINI KATKARElectronics and Telecommunication Engineeringashwini.katkar@vcet.edu.inStudent CommitteeSecretaryKushal

RautTE7738615011Editing TeamSwapna KhadeBE8857994358Sneha

JaiswalTE9372550839Nilesh JangidSE8454913316Designing TeamPrachi

PurohitTE9594851000Riddhi GarudkarSE9309959638Creative TeamShamini

IyerBE8830898225Sanskriti TalgaonkaTE9326189788GalleryClick HerePreviousNext

Objectives

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Newsletter

Academic Year 2023-24

Academic Year 2022-23

Academic Year 2021-22

Academic Year 2020-21

Academic Year 2019-20

Academic Year 2018-19

Academic Year 2017-18

Magazine

Committee Details

Staff Incharge

Ms. ASHWINI KATKAR

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Gallery

Distinguished alumni

Dr. Amrita Ruperee

Associate Professor & Head of Department

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Syllabus :R 19

PO PSO CO

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Useful Links

Contact