ACADEMIC BULLETIN

Academic Year2023-24
(Odd Semester)

Department of Electronics & Telecommunication Engineering
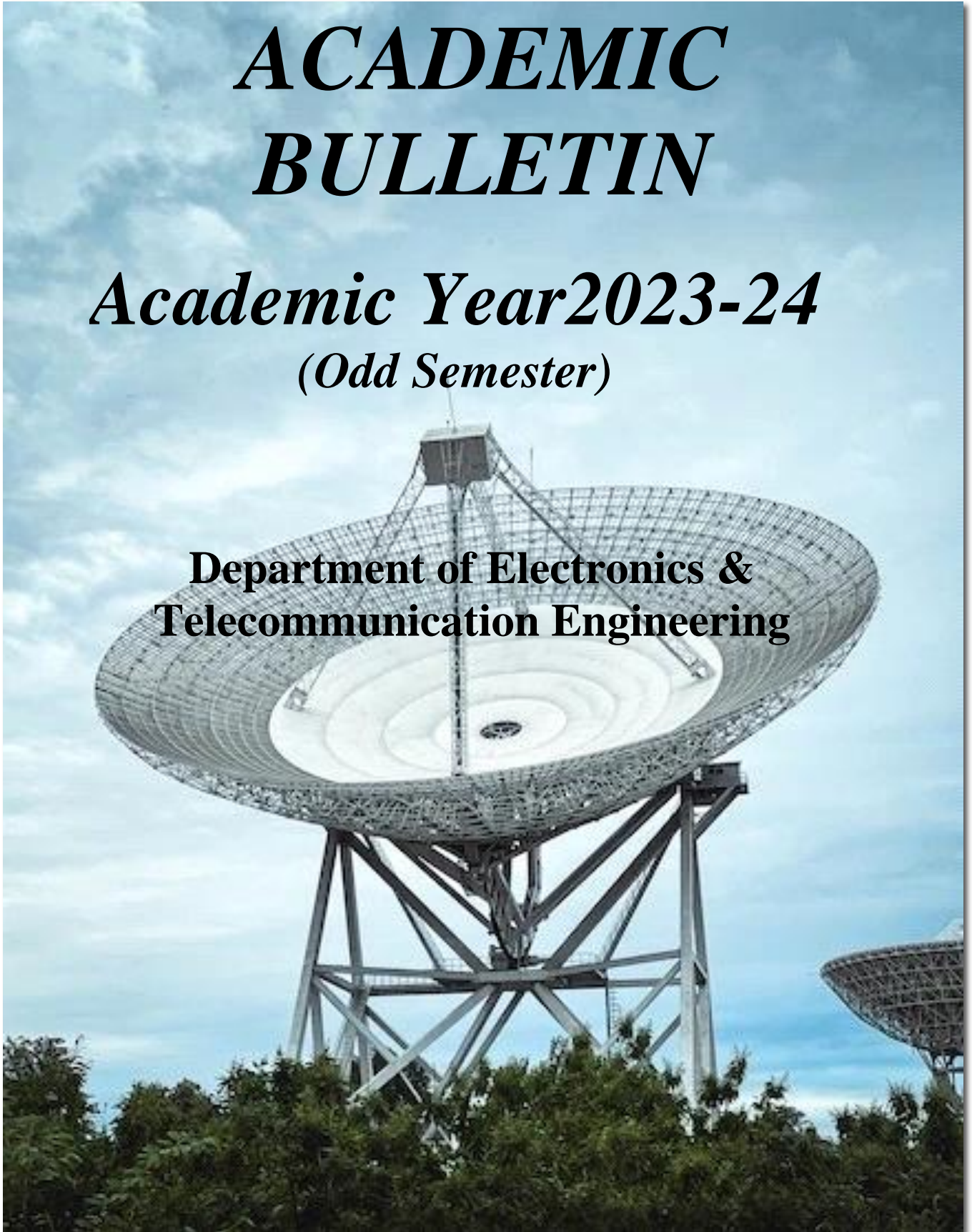
ACADEMIC BULLETIN

July 2023- December 2023

Department of Electronics & Telecommunication Engineering

Prepared by:

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(Assistant Professor, EXTC, DJSCE)

Prof. Amit A. Deshmukh

(Professor & Head EXTC, DJSCE)

ACADEMIC BULLETIN
Period: 1st July 2023 – 31st December 2023

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1. ABOUT DEPARTMENT

1.1 Department Information

- Started in the year 1999 with the intake of 30 and which was increased to 60 in the subsequentyear.

- The intake was increased to 120 in the Academic Year 2010 – 11.

- In the Academic Year 2011 – 12, Department has started M.E. Program in Electronics & telecommunication with an intake of 18 students.

- For the first time Department got NBA accreditation for two years from January 2013. In second Outcome based evaluation, Department got NBA accreditation for three years from July 2017.

- The Department started with Ph.D. program in Academic Year 2015 – 16 with an intake of 10 students.

- The department is having highly qualified, experienced and dedicated faculties and supportingstaff.

- Well-equipped labs and fully air-conditioned classrooms with projectors.
- The intake was increased to 180 in the Academic Year 2022 – 23.

1.2 Vision of the Department

To develop technically competent and socially responsible Electronics and Telecommunication engineers capable of fulfilling expectations at indigenous and global levels.

1.3 Mission of the Department

- To provide a conducive educational environment for students by providing goodinfrastructural facilities, knowledge base and excellent faculty support.

- To provide a strong foundation of core knowledge and exposure to research culture.

- To motivate learners to acquire adequate professional and soft skills, to develop personalitytraits and eventually transform them as life-long learners.

- To strive and achieve practical exposure by maintaining good rapport with industry and professional network.

Department of Electronics and Telecommunication

1.4 Program Educational Objectives (PEOs)

- **PEO1: To prepare learners for graduate studies by providing strong foundation of basic sciences, computer programing and thus, develop analytical aptitude, and problem-solving abilities.**

- **PEO2:** To develop a fundamental understanding of electronic & integrated circuits, communication systems and allied disciplines.

- **PEO3:** To develop core competency and expertise in the diverse areas of communication covering Signal processing, Electromagnetic Engineering, Embedded Systems, ComputerCommunication and Advanced Wireless Networks domains.

- **PEO4:** To inculcate competencies and aptitude in extending acquired technical knowledge to solve real life issues with high professional and ethical standards.

- **PEO5:** To develop proficiency in soft skills and deliver adequate personality traits to enablethe pass outs to pursue higher education, to find competitive employment opportunities and/or pursue entrepreneurial ventures.

1.5 Program Specific Outcomes (PSOs)

- To develop knowledge of electronics and signal processing to apply them to provide a foundation to numerous applications in embedded systems, signal processing, VLSI design.

- To provide an in-depth understanding of electromagnetics, transmission lines and antenna concepts along with microwave devices used for RF and microwave applications.

- To develop knowledge of the fundamental techniques related to generation, transmission and reception in communication systems for a wide range of wired and wireless applications along with revolutionary technology developments.

- To cultivate necessary soft skills, aptitude and programming skills to adapt to changing work environment and to develop passion for real-world applications.

Department of Electronics and Telecommunication

2. ADMINISTRATION

IETE COMMITTEE

Prof. Amit Deshmukh   Dr. Anuja Odhekar

PROJECT COORDINATOR

Prof. Amit Deshmukh   Dr. Ameya Kadam

DEPARTMENTAL LIBRARY

Prof. Amit Deshmukh   Prof. Archana Chaudhari

ALUMNI COMMITTEE

Prof. Amit Deshmukh   Prof. Ranjushree Pal

NBA CORE COMMITTEE

Prof. Amit Deshmukh   Dr. V. V. Kelkar (PC/NC)

Dr. Ameya Kadam   Dr. Venkata A. P. Chavali

AUTONOMY COMMITTEE

Dr. S. B. Deshmukh   Dr. Poonam Kadam

TIME-TABLE COMMITTEE

Dr. Venkata APC   Prof. Archana Chaudhary

PLACEMENT COORDINATOR   **NPTEL and IBM COORDINATOR**

Dr. Aarti Ambekar   Dr. V. V. Kelkar

Department of Electronics and Telecommunication

3. IETE- SF

The Electronics and Telecommunication Department of Dwarkadas. J. Sanghvi College of Engineering presents Institution of Electronics and Telecommunication Engineers- Student Forum (**IETE-SF**). The student chapter with a working force committee of 22, consisting of **second year** and third **year students**, hosted a few of the most quintessential and technically challenging events. A membership drive was conducted at the start of the year with an overwhelming response. (www.djsceietesf.com)

IETE Organizing Committee Structure

IETE SF Branch Counsellor: - Dr. Anuja Odhekar

Chairman	Raveesh Kanakia
Vice-Chairman	Arya D. Chandra
Secretary	Darshil Shah
Treasurer	Deep Shah
DJ-Strike Co-ordinator	Aash Shah Aarya Rokade

Head Of Departments:	
Publicity	Shreedhar Barot
Marketing	Vrajesh Gokani
Technical	Prasanna Nadkarni
Infotech	Rohan Shah
Creatives	Tanmay Londhe
Events	Vineet Barot
Book Bank	Mahek Juthani, Resham Shah
Component Bank	Rudrakshi Thakur, Sharaavya Bharti

Department of Electronics and Telecommunication

3. DEPARTMENT ACTIVITIES

3.1 Value Added Program under IETE-SF

Book Bank

IETE-SF provides the students with a book bank facility where they can issue reference books at nominal rates for the entire semester. Students who want a better insight into the subject avail this facility as these reference books aid in developing a good understanding of the topics and enable them to consolidate their foundation of the subject. Book bank has more than 60 book titles as per the syllabus requirement for 3rd to 8th semester. This activity not only motivates students to use reference books prescribed in syllabus but also explore them in the library management system. The alumni who worked as "Book-Bank" coordinators received paid assistance-ship in the library during their master program.

Component Bank

IETE-SF provides a component bank facility where students can borrow electronic components which they require for executing multiple projects both in and outside of the curriculum. They can utilize the facility by initially paying 50% of the cost and getting a refund of 20% on returning the components, provided that they are undamaged.

3.2 <u>Workshop on MATLAB Programming under IETE-SF</u>

Speakers: Prof. Ranjushree Pal, and Dr. Venkataramanan V.

Association of the Speakers Asst. Professor, EXTC, DJSCE, Mumbai

Date of the Session: 25th and 27th of September 2023

No. of Participants: 80

Participants: SE and TE Students

Objectives of the activity:

- To make the students familiar with a new software.
- To make use of the MATLAB Programming commands to problems in different mathematical subjects.

Contents:

MATLAB, an acronym for Matrix Laboratory, stands as a magnificent testament to the realm of computational prowess. The workshop's itinerary, a meticulously crafted tapestry, unfolded in a series of captivating segments. It commenced with a gracious overture by Dr. Prof. Venkataramanan, a luminary in his own right, who led the novices into the labyrinthine world of MATLAB. He skill fully guided them through the intricacies of launching the software, imparting profound wisdom about every nook and cranny of the Workspace Window. In the pursuit of fluency, the students were introduced to fundamental commands like 'clc,' an incantation to clear the command window, and 'eye,' the sorcerer's spell that conjures an identity matrix on the screen. Dr. Venkataramanan, the maestro of MATLAB, emphasized the software's capricious nature, revealing how maintaining proper case sensitivity is the key to an error-free incantation.

The professor, a sage with a penchant for mirth, unveiled the secret incantation 'Why,' unleashing a cascade of humour that delighted the attendees. The symphony of operators followed suit, their harmonic interplay articulated through vivid examples. Arithmetic operators pirouetted gracefully alongside relational and logical counterparts, leaving the students spellbound.

The professor's artful discourse extended to matrices, where the nuances of row, column, and square matrices were unveiled. The symphony crescendo with a virtuoso performance on conditional statements, functions, loops, and switch statements, revealing how these powerful tools in MATLAB bore a striking resemblance to the eloquence of the C language.

A delightful interlude ensued as the professor introduced students to MATLAB's hidden treasures—easter egg commands like 'image,' 'images and Video,' 'earthmap,' 'wrldtrv,' and 'spy.' A spirited puzzle challenge, sparked by the enigmatic 'fifteen' command, ignited competitive fervor among the students, culminating in victorious celebration. To further infuse merriment, the professor orchestrated the creation of a wav file, allowing students to compose musical notes with MATLAB's digital symphony.

With the inclusion of IoT concepts, the day's session proved to be an all-encompassing journey that left students hanging on every word, their minds enriched and their MATLAB prowess heightened. Dr. Venkataramanan's benevolent guidance had not only illuminated the path to MATLAB proficiency but had also introduced them to the exciting world of IoT possibilities. The day concluded as an enthralling saga, with students primed and eager for the advanced revelations of day two.

This time, they were under the tutelage of Prof. Ranjushree Pal, a luminary poised to unveil deeper mysteries. The day's curriculum was enriched with a profound discussion on data analysis, which played a pivotal role in unraveling the intricacies of MATLAB's capabilities.

With eloquence and precision, Prof. Pal commenced the day's proceedings by deciphering the arcane lexicon of sampling frequency and sampling rate, shedding light on the conversion of continuous time signals into discrete counterparts. As the session progressed, the professor masterfully manipulated frequency values, painting vivid graphs that danced to the cadence of change. Analog signals, painted with ten cycles of vibrancy, graced the canvas of understanding, bridging the gap between theory and modern technological relevance. The students were introduced to the essence of sampling frequency and the enigmatic 'Nyquist Frequency,' unveiling the artistry of crafting a time vector that befits signal generation.

Furthermore, the workshop delved into the application of MATLAB in signal processing, a cornerstone of data analysis. The 'sinc' formula, introduced earlier, became a key player in the analysis of signals, showcasing MATLAB's ability to dissect and comprehend complex data patterns. The discussion culminated in the application of the 'Fast Fourier Transform,' a powerful tool for deciphering frequency components within data, thus equipping the students with the skills to extract meaningful information from intricate datasets.

In essence, the "Workshops on MATLAB Programming" left an enduring impact by equipping students with essential skills, broadening their horizons, and fostering a culture of innovation and collaboration. These workshops not only enriched individual lives but also contributed to the broader educational ecosystem, paving the way for a brighter and more technologically adept future.

Photographs of the Event:

Day 1: Basic Session

Day 2: Advance Session

Token Of Thanks

Program Outcomes mapped (Please tick the mapped POs):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	1	1	1	1	2	2	1	2	2	1	1

Program Specific Outcomes mapped (Please tick the mapped PSOs):

PSO1	PSO2	PSO3
2	2	2

3.3 Trek to Sinhgadh Fort under IETE-SF

Faculty Members: Prof. Amit A Deshmukh, Dr. Rajendra Khavekar
                                Prof. Prasad Joshi ,Dr. Sunil Karamchandani
Date of the session: 29th October 2023

No. of Participants: 40

Participants: SE students, TE students & Faculty members of EXTC department.

Objectives of the activity:

- Strengthen the bonds by engaging in a physically challenging and adventurous activity, promoting teamwork, and enhancing mutual trust.
- Offer participants an exciting and fun experience to break away from the monotony of their daily routines and encouraging participants to stay fit and maintain their health.

Contents:

The expedition commenced with an early morning gathering at the designated rendezvous point, setting the stage for an unforgettable adventure. As the trek unfolded, participants embarked on a journey through enchanting trails, enveloped by the breath-taking scenery of the surrounding countryside. The Sinhgadh Fort trek presented each participant with an opportunity to challenge their physical limits, while simultaneously fostering a sense of camaraderie and unity.

As we ventured on, the trek facilitated open dialogues, shared experiences, and the exchange of insights. Faculty members and non-teaching staff generously shared their wisdom, experience, and guidance with the students, creating a symbiotic mentorship dynamic. These interactions transcended conventional roles, paving the way for a more inclusive and supportive academic environment.

A pivotal component of the trek's success was the generous sponsorship by Cloud 9 Energy Drink. Throughout the expedition, this thoughtful partner provided refreshing beverages and nourishment to participants, ensuring their sustained energy and well-being. Cloud 9 Energy Drink's support not only invigorated the trek but also underscored the significance of fostering such collaborations in the academic and corporate world.

The event was further enriched by thoughtfully integrated team-building activities and games. These activities were thoughtfully placed along the trek's route and aimed to promote

teamwork, trust, and cooperation. They challenged participants to work together to surmount obstacles, further enhancing the sense of unity and collaboration.

In conclusion, the IETE - ISF Committee's trek to Sinhgadh Fort on October 29, 2023, was nothing short of a resounding success. It realized its multifaceted objectives, from nurturing unity and physical fitness to fostering mentorship and guidance within the college community. The trek's breath-taking backdrop, provided by the stunning natural scenery, served as the perfect canvas for these invaluable interactions and experiences.

Heartfelt gratitude is extended to all participants, including faculty members, non-teaching staff, and students, whose enthusiasm and active participation made the event unforgettable. We reserve special thanks for Cloud 9 Energy Drink for their invaluable support, reminding us of the significant outcomes that collaborations can bring to academia.

With the resounding success of this trek, we look forward to organizing more such events in the future, continuing to fortify the bonds within our college community and a culture of active living and togetherness. These events, as exemplified by the Sinhgadh Fort trek, stand as testaments to the collective strength and unity of our college community.

Photographs of the Event:

Department of Electronics & Telecommunication Engineering

Academic Year 2023-2024

Outcomes:

- The event successfully fostered a stronger sense of unity and collaboration among the participants. The shared experience of conquering the trek's challenges created lasting bonds among the participants.
- The trek encouraged a culture of active living and physical fitness within the college community. Participants were motivated to challenge their physical limits, and this awareness of the importance of fitness is likely to have a lasting impact on their overall well-being.
- The inclusion of team-building activities during the trek encouraged problem-solving and teamwork among participants. These activities strengthened participants' ability to collaborate effectively and address challenges collectively.

3.4 Board of Studies Meeting

The Board of Studies meeting of Department of Electronics and Telecommunication Engineering was conducted in a hybrid mode on Thursday, 7th December, 2023 at 2 pm onwards in the conference room, DJSCE. The meeting was held to discuss and approve:

1. Minutes of meeting of 6th BOS meeting held on 21/04/2023.
2. Approval of DJS22 detailed syllabus of semester V and VI and Honors/Minor Degree Program, in semester VI & VIII subjects.
3. Approval of change in oral/practical Evaluation scheme to only oral for Honors Degree Program in the subject of Intelligent Connectivity: 5G and IoT, semester VI and Minor Degree course in Industry 4.0, in semester VII & VIII.
4. To approve the panel of paper setters and examiners for various exams to be held under DJS19 and DJS22 scheme for UG program in semester III-VIII & PG program in semester III & IV for the exam to be conducted from December 2023 onwards.
5. To approve NPTEL credit course guidelines for PG program.
6. To appoint examiner for M. Tech student towards the conduction of Dissertation stage II exam in his fourth semester.
7. Proposed NEP 2020 curriculum, DJS23 scheme.

The meeting was attended by the BOS member Dr. S. S. Mande and faculty members of the EXTC Department. During the session, Dr. Mande offered various suggestions related to the discussed topics. Notably, he acknowledged the dedicated effort invested in formulating the structure of the DJS23 scheme. BOS member suggested to share the NEP2020 scheme with them and subsequently contribute their insights and recommendations. The focus of the next Board of Studies meeting will be on preparing and discussing Semester III and IV DJS23 syllabus.

Dr. P.A. Kadam
Autonomy Coordinator
EXTC Dept., DJSCE

Dr. S.B. Deshmukh
Autonomy Coordinator
EXTC Dept., DJSCE

Prof. Amit A. Deshmukh
Professor & Head
EXTC Dept., DJSCE

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4. ACHIEVEMENTS

4.1 Faculty Publications- Conferences / Journals

Journal publication

Sr.No	First Author	Paper Details	Indexed by
1	Prof. Amit Deshmukh	Deshmukh, A.A. and Chavali, V.A., Compact wideband microstrip antennas using C, H, and W-shape ground plane for GSM band applications. *Microwave and Optical Technology Letters*.	SCOPUS, WEB OF SCIENCE
2	Prof. Amit Deshmukh	Deshmukh, A.A., SVKM's, D.J., Chavali, V.A. and Ambekar, A.G., 2023. Circularly Polarized Gap-Coupled Designs of Modified Square Microstrip Antennas for WLAN and Bluetooth Applications. *Progress in Electromagnetics Research C*, *138*.	SCOPUS
3	Prof. Amit Deshmukh	Deshmukh, Amit A., Abhijay Rane, Suraj Surendran, Yugantar Bhasin, and Venkata AP Chavali. "Wideband and Compact Regular Shape Microstrip Antennas Employing Rectangular Slots Cut Bow-Tie Shape Ground Plane." Progress In Electromagnetics Research B 100 (2023): 155-172.	SCOPUS
4	Prof. Amit Deshmukh	Deshmukh, A.A., Ambekar, A.G. and Chavali, V.A., 2023. Wideband Designs of U-Slot Cut Square Microstrip Antenna Using Modified Ground Plane Profile. *Progress In Electromagnetics Research C*, *130*.	SCOPUS
5	Dr. Venkata A. P. Chavali	Venkata A. P. Chavali & A. A. Deshmukh (2023): Design of folded rectangular microstrip antenna on thinner substrate for wideband response, Electromagnetics, DOI: 10.1080/02726343.2023.2244830	SCOPUS
6	Dr. Venkata A. P. Chavali	Venkata A P Chavali & Amit A. Deshmukh (2023) Broadband design of corner slot cut sectoral microstrip antenna, International Journal of Electronics Letters, DOI: 10.1080/21681724.2023.2173801	SCOPUS

4.2. Interaction of faculty with outside world

FDP/ STTP/Webinar/Workshop attended by Faculty Members:

Sr. No.	Name Of Faculty	Details of Workshop/ Webinar/STTP/FDP	Date / Year of Event
1	Dr. Aarti G. Ambekar	Attended a webinar on "Exploring the Latest Breakthroughs in Analog & RF IC Research: Insights from the Eindhoven University of Technology" by Dr. Peter Baltus organized by IEEE-IISc VLSI Chapter on July 19, 2023	July 19,2023
2	Dr. Aarti G. Ambekar	Attended a webinar on "NANOSYSTEMS: LAB TO FAB" by Dr. Tathagata Srimani organized by IEEE-IISc VLSI Chapter on July 22, 2023	July 22,2023
3	Dr. Venkata A. P. Chavali	Attended a webinar on "NANOSYSTEMS: LAB TO FAB" by Dr. Tathagata Srimani organized by IEEE-IISc VLSI Chapter on July 22, 2023	July 22,2023
4	Dr. Aarti G. Ambekar	Attended a seminar on Simulation Methods to Improve the Electromagnetic Properties of Electric Vehicles By Prof. Jan Hansen organized by IEEE IISc MTT/AP-S Student Branch Chapter, in association with IEEE EPS Bangalore Section.	23rd August , 2023
5	Prof. Sejal Kadam Prof. Mrunalini Pimpale Prof. Archana Chaudhari	attended one week FDP on "Exploring the educational potential of CHATGPT"	11th to 17th September 2023.
6	Dr. Aarti G. Ambekar	attended a seminar on Transceiver Technologies for High-Speed ICs organized by IEEE-IISc VLSI Chapter and Photonics Chapter	16th September, 2023
7	Dr. Aarti G. Ambekar	attended 5 Days Workshop On "Data Visualization Tools Using R, Power Bi and T A B L E A U " Organized by Mahatma Gandhi Institute of Technology (Autonomous) in Association With Pantech E Learning Pvt Ltd	4th to 8th September 2023.
8	Dr. Aarti G. Ambekar	Participated in the IEEE AP-S Distinguished Lecture on"On-Chip Antennas: The Last Barrier to True RF System-on-Chip" by Prof. Atif Shamim, KAUST, Saudi Arabia organized by IEEE IISc MTT/AP-S Student Branch Chapter	3rd October 2023.
9	Dr. Aarti G. Ambekar	Participated in the Technical Talk on "High Performance RF, Millimeter-Wave, and Sub-THz Integrated Circuits and Systems" by Prof. Aritra Banerjee,University of Illinois, Chicago organized by IEEE IISc MTT/AP-S and IEEE IISc VLSI Student Branch Chapter	12th October 2023.
10	Dr. Aarti G. Ambekar	Participated in seminar on "Direction of Arrival Estimation with Leaky-wave Antennas at Millimeter Frequencies" by Prof. Julien Sarrazin, Sorbonne Université, France organized by IEEE IISc MTT/AP-S Student Branch Chapter.	2nd November,2023

4.3. NPTEL/COURSERA Courses completed by faculty members:

Sr.No	Name Of Faculty	Details of Workshop/ Webinar/STTP/FDP	Date / Year of Event
1	Dr. Ameya A. Kadam	NPTEL-Applied Linear Algebra for Signal Processing, Data Analytics and Machine Learning, Top 5%, Elite-Gold	Jul-Oct 2023
		NPTEL-Simulation Of Communication Systems Using Matlab, Elite	Jul-Oct 2023
2	Dr. Sunil Karamchandani	NPTEL- Digital Image Processing, Top 2%, Elite Silver	July-Oct 2023
3	Dr. Poonam Kadam.	NPTEL -8 Weeks-System Verification through Verilog"-Topper in the course and received Elite+ Silver	July to September 2023
		NPTEL-4 week- "Stress Management"	July to August 2023.
		NPTEL-12 week- "Digital Circuit"-Topper in the course and received Elite+ Silver	July-Oct 2023
4	Dr. Venkata A. P. Chavali	NPTEL-8 week- "Programming and Data Structures using Python"	July to September 2023.
5	Dr. Aarti G. Ambekar	NPTEL -8 week- "Programming and Data Structures using Python"	July to September 2023.
6	Dr. Darshana Sankhe	NPTEL -4 week -"Python for Data Science".	July to September 2023

4.4. Faculty Achievements

Name of Faculty	Event description	Date
Prof. Amit Deshmukh	is been invited as external examiner at SAMEER for guiding scientist on 12th to 14th September 2023.	7th September 2023 and 12th to 14th September 2023.
	invited as external examiner for PhD APS in K J Somaiya college of Engineering, Sion	26th October 2023.
	called upon domain expert for PhD interview at K J Somaiya, Sion	23rd November 2023.
Dr. Poonam Kadam	Reviewer for International Conference on Intelligent Computing Systems and Applications, NIT Silchar	July, 2023
	As a reviewer for Microwave and Optical Technology Letters	August, 2023
	acted as a reviewer at the 2nd International Conference on Intelligent Computing Systems and Applications (ICICSA 2023)	Month of September.
	acted as a reviewer for the journal Microwave and Optical Technology Letters	October 2023.
	acted as Reviewer for Journal Microwave and Optical Technology Letters	November 2023.
Dr. Sunil Karamchandani	Board of Institute Innovation Council (IIC), Mithibai College	October 2023.
	Received Elsevier Reviewer Recognition	November, 2023
Dr. Aarti G. Ambekar	As a reviewer for the Journal " IEEE Access"	July, 2023
	As a reviewer in the peer review process for the International Journal of Electronics and Letters published by Taylors and Francis Group	August, 2023
	acted as a Peer Reviewer of The 13th International Conference on Electronics, Communications and Networks (CECNet 2023) to be held in Macao, China and for the Journal IEEE Access	17th to 20th September 2023
	acted as a reviewer for the journal IEEE Access	October 2023.
	reviewer for the International Journal of Electronics and Letters by Taylors & Francis Group	November, 2023
	As a reviewer for the journal IEEE Access	November, 2023
	Elsevier Reviewer Recognition for the journal Heliyon	November, 2023
Prof. Ranjushree Pal and Dr. V. Venkataramanan	conducted workshop in collaboration with IETE-SF on MATLAB Programming for SE & TE students.	25th to 27th of September
Dr V Venkataramanan	As a reviewer for the journal Vehicular Communications by Elsevier-Science Direct	November, 2023

	As a reviewer for the International Journal of Interactive Mobile Technologies	November, 2023
	As a reviewer for the Computer Networks by Elsevier-Science Direct	November, 2023
	As a Editorial Board member of Journal Community and Interculturality in Dialogue	November, 2023
	As a reviewer of Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	November, 2023
	As a reviewer of Journal of Social Sciences	November, 2023
	Excellent Reviewer award Received from iJIM Journal	December, 2023

4.5 Student's participation in various events

Sr. No	Name Of students	Technical Events	Date / Year of Event	Achievements
1	Isha Solanki	Attended workshop on "ML Bootcamp"	21st and 22nd August 2023	successfully completed
2	Debanshu Saha	completed a course on Techniques for Big Data Analytics, Stock Market Showdown by Infosys Springboard , Sigfest'23	27th February to 4th march 2023	successfully completed
3	Darshil Shah	completed a course on leadership skills by LinkedIn, coursera & Microsoft	1st August to 30th August	successfully completed
4	Ira Doshi	completed internship on Robotics in Kodacy and attended a workshop on electrics vehicle	internship on for 15 days, workshop for 7 days	successfully completed
5	Rohan Shah	completed 8 courses on Google_Data_Analytics by Coursera, Oracle University .	1st August to 30th August	successfully completed
6	Debanshu Saha	completed INTERNSHIP IN DATA ANALYTICS from TECH-A-INTERN	1st September to 31st September	successfully completed
7	Manav Pandya	participated in International CanSat Competition 2023 at Blacksburg, Virginia, United States of America organized by American Astronautical Society, NASA.	October 2023.	successfully completed
8	Om Kapadia	participated in project competition TVS Epic	November 2023	successfully completed
9	Om Shah	won 3rd prize in project competition conducted by DJS SPARK	November 2023	successfully completed
10	ANSH SHAH	Won 10th On-site Worldwide, 2nd Place Worldwide prize at project competition European Rover Challenge On-site, European Rover Challenge Remote conducted by European Space Agency	November 2023	successfully completed

DJS ANTARIKSH Team achievements

1. European Rover Challenge

The European Rover Challenge organized by the European Space Foundation takes place every year in Poland. It is an integrated program working towards technological developments, specifically those in GPS-denied environments, with space exploration and utilization as the leading theme. The ultimate goal of the ERC is to become a standardized test trial and benchmark for planetary robotic activities, coupled with strong professional career development platform. The competition is divided into 2 formulas: On-site and Remote.

European Rover Challenge 2023
10th Position Worldwide - Onsite Edition

Rank	Team's Name
1	AGH Space Systems (Poland)
2	FHNW Rover Team (Switzerland)
3	EPFL Xplore (Switzerland)
4	SKA Robotics (Poland)
5	Frankfurt Robotics Science Team (FRoST) (Germany)
6	ITU Rover Team (Turkiye)
7	Beyond Robotics (Greece)
8	DIANA (Italy)
9	ProjectRED (Italy)
10	DJS Antariksh (India)

2nd Position Worldwide – Remote Edition

CATEGORY	WINNER	COUNTRY
1st place ERC (ON-SITE formula)	AGH Space Systems	Poland
2nd place ERC (ON-SITE formula)	FHNW Rover Team	Switzerland
3rd place ERC (ON-SITE formula)	EPFL Xplore	Switzerland
1st place ERC (REMOTE formula)	Makercie	Netherlands
2nd place ERC (REMOTE formula)	DJS Antariksh	India
3rd place ERC (REMOTE formula)	ProjectRED	Italy

2. International Rover Challenge

The International Rover Challenge is an international competition organised by the Space Robotics Society. It challenges university students to conceptualise, design, develop and operate an astronaut-assistive next-generation space Rover. The objective of the competition is to provide students with a real-world interdisciplinary engineering experience, combining practical engineering skills with soft skills, including business planning and project management.

8th position worldwide (Debut Onsite Competition)

International Rover Challenge 2023

DJS ARYA Team achievements

DJS Arya, the official **Can**ister **Sat**ellite (CanSat) team of DJ Sanghvi College of Engineering, Mumbai, was formed in the year 2017 by a group of students from EXTC, Mechanical, Computer departments, intrigued by the world of space technology. The primary objective of the team is to build a fully functional miniature satellite integrated with space technology, which we present each year at the annual International CanSat competition, conducted by the American Astronautical Society (AAS) in collaboration with NASA, Siemens, NVR Rocketry and many more.

International CanSat Competition 2023

Team Number	Current	Country	Ranking
1079	100.79%	USA	1
1068	98.24%	Turkey	2
1085	96.75%	Indonesia	3
1082	96.52%	Poland	4
1070	91.57%	USA	5
1073	90.68%	USA	6
1077	89.07%	Turkey	7
1040	85.50%	Mexico	8
1063	81.45%	Italy	9
1099	74.96%	Mexico	10
1008	73.97%	Turkey	11
1033	73.35%	India	12
1032	72.48%	USA	13
1022	72.13%	Argentina	14
1037	67.93%	USA	15
1084	67.62%	Indonesia	16
1066	66.70%	Italy	17
1050	65.93%	UK	18
1062	64.45%	India	19
1015	64.09%	UK	20
1007	63.96%	Turkey	21
1064	62.92%	Korea	22
1024	57.39%	Peru	23
1038	56.84%	USA	24
1047	56.45%	UK	25
1083	55.59%	USA	26
1021	51.00%	USA	27
1100	49.10%	USA	28
1026	43.18%	Canada	29
1086	33.86%	Mexico	30

6 RESULT ANALYSIS

Academic Year   :   2022-23

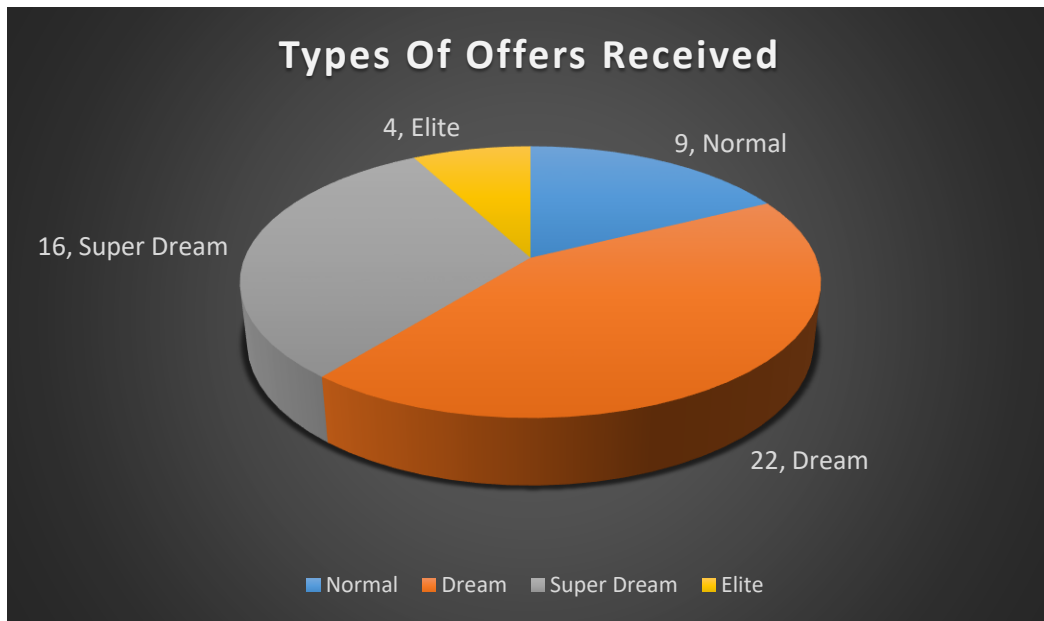| Sr. no.	Semester	Total no of students appeared	Total no of students passed	% of passing in the subject
1	III	123	104	84.55
2	IV	122	85	69.67
3	V	139	133	95.68
4	VI	138	134	97.10
5	VII	138	137	99.28
6	VIII	138	138	100

7 PLACEMENT DATA

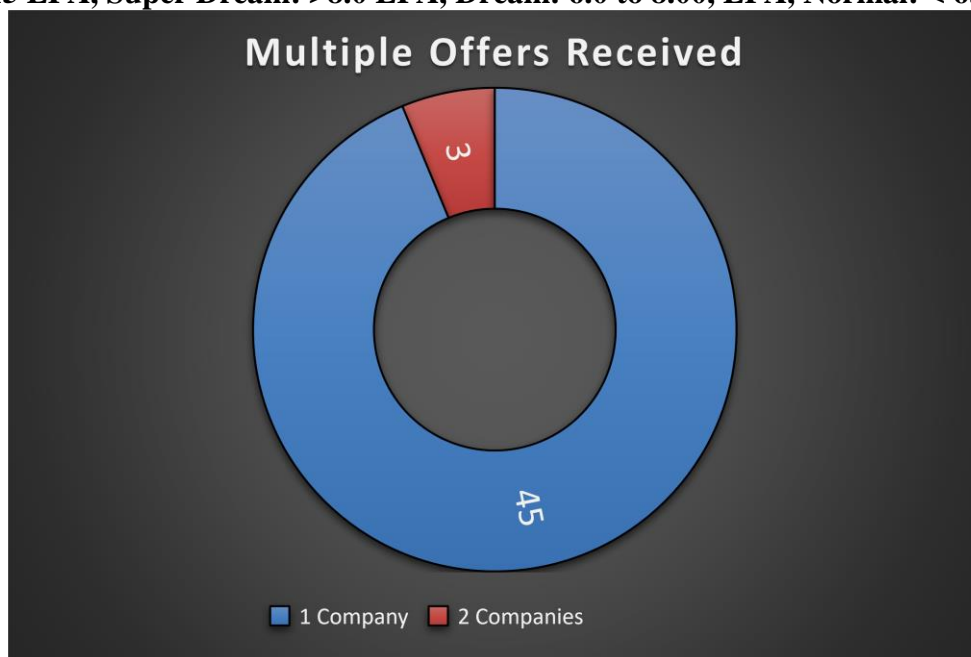**Total no. of Students Placed Company Wise = 51 (Including Multiple Placement Offers)**

Sr. No.	Company Name	Salary Per Annum(LPA)	No. of Students Placed
1.	JP Morgan Chase	19.75	1
2.	Apollo Global Management	19 to 15	2
3.	Edelweiss Fianance	15to 8	2
4.	ZS Associates	13.65	3
5.	Tejas Netwrok	10	1
6	Sharekhan	10	1
7.	Perfios	10	1
8.	Think360	9.65	1
9.	Oracle Financial Software Services	9.5	1
10	Vikkabh Securities	8.5	1
11	Indus Valley Partners	8.5	2
12	GEP Worldwide	8	2
13	Neo Group	8	1
14	Emphasys	8	1
15	Intellipaat	7.25	1
16	Tresvista	7	2
17	Colgate	7	1
18	Delloite	7	6
19	EY	6.37	4
20	Searce	6.0	2
21	L&T Financial Services	6.0	3
22	BNP Paribhas	6.0	1
23	Avalon Global	6.0	2
24	Nerolac	5.25	1

25	Saffronstays	5.0	2
26	Sports Interactive	5.0	3
27	IBM	4.25	1
28	LNT Technology	4	1
29	Vodaphone Idea	3.0	1
Minimum CTC in LPA: 3.0 LPA		**Maximum CTC in LPA: 19.75 LPA**	

Types Of Offers Received

- 4, Elite
- 9, Normal
- 16, Super Dream
- 22, Dream

Normal ■ Dream ■ Super Dream ■ Elite

Ellite: >= 15 LPA, Super Dream: >8.0 LPA, Dream: 6.0 to 8.00, LPA, Normal: < 6.0 LPA

Multiple Offers Received

3

45

■ 1 Company ■ 2 Companies

Total no. of Students placed Company wise = 51