SSBT's College of Engineering and Technology, Bambhori Jalgaon
(Included under section 2 (f) and 12(B)of the UGC Act, 1956)
Grade A (3.14) NAAC Accredited

potential

Department of Electronics & Telecommunication Engineering

Volume XVIII, Issue **Department Newsletter : Jan-Jun 2025**

Department Mission

To develop Electronics & Telecommunication Engineers with Patriotism and excellence to meet out the irresistible standards par locally and globally.

Department Vision

The light of progressive knowledge and the brilliance of Electronics & Telecommunication Engineering is chasing the path towards Excellence for achieving an irreplaceable height in the global fraternity.

Objectives of the Institute

1) To impart innovative teaching & learning.
2) To provide quality education with futuristic trends in Engineering & Technology.
3) To develop the institute as a research centre for academic excellence.
4) To ensure continual improvement in quality management system.
5) To inculcate social values, patriotism and professional ethics among the students.

Features

1) Experienced & Qualified faculty members
2) Twice NBA Accredited
3) 10 Labs equipped with all state of art equipments
4) Research Lab & 1 UG Computer lab with latest configuration PCs
5) MATLAB, Xilinx. CC Studio etc. Software
6) NPTEL lectures
7) ISTE Student Branch

SSBT's College of Engineering and Technology at a Glance

SSBT's College of Engineering & Technology is an Engineering College governed by Shram Sadhana Bombay Trust (SSBT). It is a college with long tradition of imparting excellence in education.

- It is included under section 2(f) and 12(B) of UGC act 1956.
- QMS of College confirms to ISO 9001:2015.
- Approved by All India Council for Technical Education (AICTE), New Delhi.
- Permanent affiliation to N.M.U., Jalgaon.
- NBA Accredited from last 10 years.
- A Grade by N.M.U., Jalgaon
- Grade A (3.14) NAAC Reaccredited Second Cycle.
- Awarded Best Engineering College of Maharashtra by Engineering Education Foundation, Pune.
- Engineering Education Excellence Award-2015 by Indo Global Chamber of Commerce Industry & Agriculture, Pune.

About Department

In the establishment year of college 1983, the Electronics Engg. Branch was started & as per the need of time it was converted to Electronic and Telecommunication from academic year 2001.The Department has got the NBA Accreditation by National Board of Accreditation (NBA) Committee constituted under AICTE with effect from 19/07/2008 for 5 Years and re-Accredited for 3 Years from 01-07-2014. Similarly the Institute is Accreditated by National Assessment and Accreditation Council (NAAC) with CGPA of 3.14 with "A" grade. During the last 36 years, the department developed ten well equipped and furnished labs along with Seminar room, Departmental library, separate Departmental Computer Lab with softwares like MATLAB, XILINX, DSP, ULTIBOARD, ORCAD etc,

The E&TC students association organizes Curricular, Co- curricular, Cultural & Social activities for the overall development of students. The experienced & Qualified faculty, audio-video aids for teaching - learning process , organized visits to the industries, guest lectures of eminent personalities, inclined trend of academic results, rank holders at University level , success of students in competitive examinations & placement of students in renowned industries are some of achievements of the department.

Salient Features

- **350+ Placement** in the last five years of E&TC Dept. students.
- State of Art **well Equipped Laboratories and Recognized Research Center**
- Dedicated **Highly Qualified and Experienced Faculty**
- Tradition of **Excellent Results** at University Level
- **Expert Lectures and Industry visits** under industry institute interaction.
- **Funding for innovative student projects**.
- Student Participation at **Robocon National Level Competition**.
- Separate departmental Library and computer center with Wi-Fi facility..
- MoU with BSNL, Mass-Tech Pvt Ltd, Electrosoft System and Yippee Technology Pvt.Ltd .

Programme Educational Objectives (PEOs)

PEO 1. Core Knowledge - To Built a strong foundation of electronics & telecommunication engineering required to solve engineering challenges.

PEO 2. Employment/ Continuing Education - To develop an ability to apply the technical skills for meeting the industrial needs of electronics & telecommunication field as well as academics.

PEO 3. Professional Competency - To empower the persona of electronics & telecommunication engineering graduates filled with professional and ethical responsibilities.

Program Outcomes (POs)

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **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.
- **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.
- **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.
- **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.
- **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.
- **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.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** 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.
- **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.
- **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 Specific Outcomes (PSOs)

- An ability to apply the fundamental concepts and knowledge of core Electronics and Telecommunication Engineering subjects for analysis, design and development of various Electronics and telecommunication systems.
- An ability to solve complex Electronics and Telecommunication Engineering problems using various electronic andtelecommunication tools/Equipment's to demonstrate practical knowledge.
- Exhibit proficiency and knowledge of interdisciplinary environment in demonstrating the work efficiency for industry and society to achieve a successful career / entrepreneur.

Faculty Profile

Sr No	Faculty Name	Designation	Qualification	Experience	Mobile No
1	**Dr. M. P. Deshmukh**	Professor &Head	Ph.D (E & TC Engg.)	34 years	9422276792
2	**Dr. V. M. Deshmukh**	Associate Professor	Ph.D (ElectronicsEngg.)	34years	9890456078
3	**Dr. N. M. Kazi**	Associate Professor	Ph.D(ElectronicsEngg.)	26 years	9422980311
4	**Mr. A. H. Karode**	Associate Professor	Ph.D (ElectronicsEngg.)	22 years	9850087247
5	**Mr. S. K. Khode**	Assistant Professor	M.E.(Digital Electronics)	18 years	8793347891
6	**Ms. Rajashri B. Patil**	Assistant Professor	M.Tech.(VLSI Design)	2 years	9890637759

Non Teaching Profile

1	**Mr P. V. Toke**	Peon	S.S.C.	26 years	9421684217

B.E. E&TC Engineering Results (Academic Year 2024-25 Sem-I)

Year	% of Passing
B.E. E&TC	93.75%
TE (E& TC)	78.79%
SE (E& TC)	60 %

List of BE Toppers in KBC NMU DEC 2024 Examination Term -I

		
Name: Ms. CHOUDHARI DIVYA	**Name: Ms. CHAUDHARI AKSHADA SHEKHAR**	**Name- KHAMBAYAT DHANASHRI**
CGPA: 9.14	**CGPA: 9.00**	**CGPA:9.00**
University Rank 1	**University Rank 2**	**University Rank 2**

List of TE Toppers in KBC NMU DEC 2024 Examination Term -I

		
Name: Ms. KADAM KIMAYA SUNIL	**Name: Ms AHIRE SAKSHI LILADHAR**	**Name: SALUNKHE PRITI KAILAS**
CGPA:9.00	**CGPA: 8.86**	**CGPA: 8.85**
University Rank 1	**University Rank 2**	**University Rank 3**

List of SE Toppers in KBC NMU DEC 2024 Examination Term -I

		
Name: PATIL SANKET GULAB	**Name: Ms. JOSHI ESHA DATTATRAYA**	**Name: Ms KHUMKAR PRAPTI VINOD**
CGPA:.9.3	**CGPA: 8.6**	**CGPA: 8.55**
University Rank 1	**University Rank 2**	**University Rank 3**

Add-on Course during 24-27 March 2025

Add-on course on "Artificial Intelligence (AI)"

Date and Venue / Location: **24 March 2025 to 27 March 2025**, Class Room no 301,302, Communication Lab, Electronic Measurement lab of Electronics and Telecommunication Department.

Aim / Purpose: The aim of this add-on course is to enhance the knowledge about basic Electronics Engineering and hands on practice of electronic instruments.

Objectives: The objective of the add on Course is to full fill the practical aspects regarding various core subject of E&TC Engineering along with hands on practices.

Date - **24 March 2025 to 27 March 2025**


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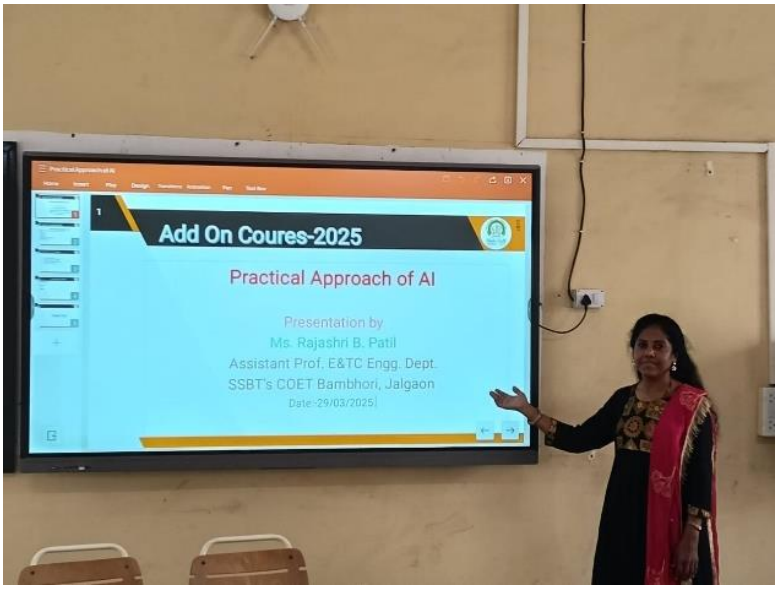
Add On Coures-2025
Practical Approach of AI
Presentation by
Ms. Rajashri B. Patil
Assistant Prof. E&TC Engg. Dept.
SSBT's COET Bambhori, Jalgaon
Date:-29/03/2025

Industrial Visit to Jain Irrigation Systems Ltd., Jalgaon

Date of Visit: 07th April 2025
Venue: Jain Irrigation Systems Ltd., Jalgaon
Participants: Third Year (TE) & Final Year (BE) Students
Faculty Coordinator: Dr. N.M. Kazi

Accompanying Staff : Dr. A.H. Karode

1. Objective of the Visit:

The objective of this industrial visit was to provide students practical exposure and insight into the real-world applications of Electronics and Telecommunication Engineering, especially in automation, embedded systems, and industrial communication used in agri-tech industries.

2. About the Industry:

Jain Irrigation Systems Ltd. (JISL) is a globally recognized agri-business company headquartered in Jalgaon, Maharashtra. It is a pioneer in micro-irrigation systems, plastic piping systems, and integrated agriculture solutions. The company is known for its advanced automation and control systems in irrigation technologies and has a strong focus on sustainability and innovation.


RIGATIONSYSTEMS LTD
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World Telecommunication Day

Date: 17th May 2025
Venue: Seminar Hall, Department of Electronics & Telecommunication Engineering, SSBT's College of Engineering & Technology, Bambhori, Jalgaon
Organized by: Electronics & Telecommunication Engineering Student Association (ETESA)

The Department of Electronics & Telecommunication Engineering at SSBT's College of Engineering & Technology, Bambhori, Jalgaon, celebrated **World Telecommunication Day** on **17th May 2025** in the department's Seminar Hall. The event was organized under the banner of **ETESA** to emphasize the significance of telecommunication technologies and their role in global development.

The program began with a welcome address by **Mr. S. K. Khode**, ETESA Coordinator, who introduced the purpose of World Telecommunication Day and provided an overview of the day's agenda. He encouraged students to remain proactive in understanding the role of communication technologies in transforming societies and industries.

The event was honored by the presence of respected faculty members:

- **Dr. M. P. Deshmukh** (Head of Department)
- **Dr. V. M. Deshmukh**
- **Dr. N. M. Kazi**
- **Dr. A. H. Karode**
- **Mr. S. K. Khode** (ETESA Coordinator)
- **Ms. Rajashri. B. Patil**

Faculty Addresses:

- **Dr. M. P. Deshmukh (HOD)** :-In his inaugural address, spoke about the historical evolution of telecommunication and how it has revolutionized connectivity worldwide. He elaborated on the importance of 5G and beyond, highlighting how these technologies will impact areas such as smart cities, healthcare, and education. He motivated students to participate in innovation and research for the future of digital communication.

- **Ms.Rajashri B.Patil (Asstt.Prof**.):-Highlighted on the advantages & Various applications of 5G for the societal & Industrial applications of 5G in near future. In her address she explained the evolution of wireless technology from 1G to 6G.

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WORLD TELECOM DAY
17th MAY
2025
VISION
MISSION
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Alumni Interaction

Online Interaction with Alumni Dr Vivek Ratnaparkhi on topic "Introduction to RF Circuit Design"
Date and Venue / Location: 16 February 2025, Sunday ,10.00 am to 10.45 am (Online mode)
Online meeting on zoom
Topic: Introduction to RF Circuit Design by Dr Vivek Ratnaparkhi
Time: Feb 16, 2025 10:15 AM India.
Aim / Purpose:
The on line Alumni lecture aims to gain knowledge about Design and Analysis of RF and Microwave Power Amplifiers for 4G/5G BTS applications. Dr Vivek is Microwave Engineer. He is currently working as Staff Engineer-R & D, Tejas Networks, Bangalore, INDIA.
The brief information about Dr Vivek-

- Worked for Design and Analysis of RF and Microwave Power Amplifiers for 4G/5G BTS applications
- Worked for Design and Analysis of Waveguide Cavity Filters for wireless applications
- Involved in Design and Analysis of various microwave passive circuits and components for wireless applications.

Major Achievements by Dr Vivek-

- Teaching RF and Microwave Communication to Undergraduate Engineering students.
- Chief Coordinator for Proposal Development Bureau Contributed to RF and Microwave Laboratory development and consultancy activities Conducted various training programs in the field of RF and Microwave Engineering using Keysight's ADS for 1000+ participants.
- Completed 06 months Research Internship at SAC-ISRO, Ahmedabad during 15th May- 28th Oct. 2017 in the field of Solid-State Power Amplifier Design for Space Applications.

Contact Information of Alumni
Dr. Vivek V. Ratnaparkhi
Ph.D. Microwave Engineering, Staff Engineer-R & D, Tejas Networks, Bangalore, INDIA
Email - vivekratnaparkhimic@gmail.com
Mobile no. +91-9119534363

Objectives:
1. To encourage, foster and promote close relations among the alumni themselves.
2. To promote a sustained sense of belonging to the Alma Mater among the Alumni by being in regular contact with them.
3. To provide and disseminate information regarding their Alma Mater, its graduates, Faculties and students to the Alumni.
4. To guide and assist Alumni who have recently completed their courses of study and to keep them engaged in productive pursuits useful to the society.
5. To provide a forum for the Alumni for exchange of ideas on academic, cultural and social issues of the day by organizing and coordinating reunion activities of the Alumni


Atul Karode
Dr. Vivek Ratnaparkhi
Sunil Khode
Divyani Patil
Prapti Khumkar
Prapti Khumkar
Gaytri Patil
RF Circuit Design:
Challenges and Opportunities
Dr. Vivek Ratnaparkhi
Staff Engineer- R & D
Tejas Networks Ltd.,
Bangalore
Comfort Zone
Opportunity
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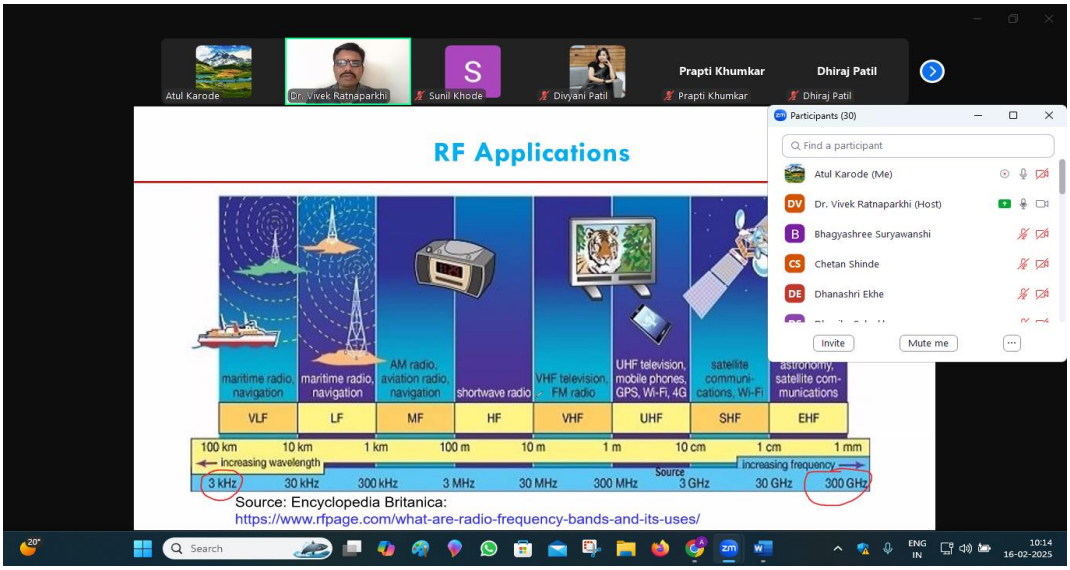
16-02-2025


Atul Karode
Dr. Vivek Ratnaparkhi
Sunil Khode
Divyani Patil
Prapti Khumkar
Prapti Khumkar
Dhiraj Patil
RF Applications
maritime radio, navigation
maritime radio, navigation
AM radio, aviation radio, navigation
shortwave radio
VHF television FM radio
UHF television, mobile phones, GPS, Wi-Fi, 4G
satellite communi-cations, Wi-Fi
astronomy, satellite com-munications
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increasing wavelength
increasing frequency
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Participants (30)
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Atul Karode (Me)
Dr. Vivek Ratnaparkhi (Host)
Bhagyashree Suryawanshi
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SHRAMA SADHANA TRUST'S
COLLEGE OF ENGINEERING & TECHNOLOGY


SANT MUKTAI AUDITORIUM

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Former President of India
&
Dr. D. R. Shekhawat
Chairman, GB

Shri. Raosaheb Shekhawat Managing Trustee

Dr. G. K. Patnaik
Principal, SSBT's COET

Dr. M.P.Deshmukh
Professor & Head (E & TC)

News letter Editor:
Dr. V M Deshmukh
Asso. Professor

Students Members:

CHAUDHARI DIVYA (BE E&TC)
SAKSHI MAHAJAN (BE E&TC)
LAXMI BANGER (TE E&TC)
SAKSHI AHIRE (TE E&TC)
PATIL MAHESH (SE E&TC)
PATIL DIVYANI R. (SE E&TC)