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 XVI, Issue I Department Newsletter : June-Dec 2023

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 9000:2008.
- 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)

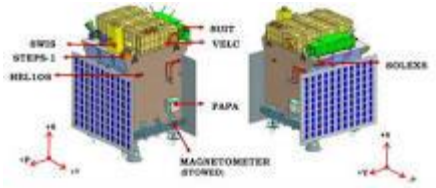
- An ability to apply the fundamental concepts and knowledge of core Electronics and Telecommunication engineering subjects for analysis, design and development of various electronics and telecommunication systems.
- An ability to solve complex Electronics and Telecommunication engineering problems using various electronic and telecommunication tools/equipments 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.

Information about Aditya L1

Aditya-L1 will stay approximately 1.5 million km away from Earth, directed towards the Sun, which is about 1 of the Earth-Sun distance. The Sun is a giant sphere of gas and Aditya-L1 would study the outer atmosphere of the Sun. Aditya-L1 will neither land on the Sun nor approach the Sun any closer.

The major science objectives of Aditya-L1 mission are:

- Study of Solar upper atmospheric (chromosphere and corona) dynamics.
- Study of chromospheric and coronal heating, physics of the partially ionized plasma, initiation of the coronal mass ejections, and flares.



Faculty Profile

Sr No	Faculty Name	Designation	Qualification	Experience	Mobile No
1	**Dr. M. P. Deshmukh**	Professor &Head	Ph.D	33 years	9422276792
2	**Dr. V. M. Deshmukh**	Associate Professor	Ph.D	31years	9890456078
3	**Dr. N. M. Kazi**	Assistant Professor	Ph.D	25 years	9422980311
4	**Mr. A. H. Karode**	Assistant Professor	M.E.(Digital Electronics)	21 years	9850087247
5	**Mr. S. K. Khode**	Assistant Professor	M.E.(Digital Electronics)	17 years	8793347891

Non Teaching Profile

1	**Ms. Rajshri B. Patil**	Lab Technician	M.Tech.(VLSI Design)	31 years	9890637759
2	**Mr P. V. Toke**	Peon	S.S.C.	25 years	9421684217

B.E. E&TC Engineering Results (Academic Year 2022-23 Sem-II)

Year	% of Passing
B.E. E&TC	62.06%
TE (E& TC)	54.54%

List of BE Toppers in KBC NMU MAY 2023 Examination Term -I

		
Name:- Ms. RATHORE KARUNA SUBHASH	**Name SONONE PIYUSH ASHOK**	**Name- DESHPANDE SURBHI NILESH**
CGPA:9.28	**CGPA: 9.16**	**CGPA: 9.04**
University Rank 1	**University Rank 2**	**University Rank 3**

List of TE Toppers in KBC NMU MAY 2023 Examination Term -I

		
Name: Ms. ANKITA NITINSINGH PARDESHI	**Name: Ms. PATIL PRITI NARENDRA**	**Name: SONAR FALGUNI PRADIP**
CGPA: 9.3	**CGPA: 9.04**	**CGPA: 8.85**
University Rank 1	**University Rank 2**	**University Rank 3**

University Results (Academic Year 2022-23)

TE(E&TC)

Merit No.	Name of the Student	CGPA
1	ANKITA NITINSINGH PARDESHI (NEHA PARDESHI)	9.3
2	PATIL PRITI NARENDRA (ASHA)	9.04
3	SONAR FALGUNI PRADIP (MANISHA)	8.85
4	MAHAJAN JAYA SHARAD (SARALA)	8.82
5	SHIMPI NIKITA SANDIP (RUPALI)	8.82
6	PATIL VIPIN VANSING (PRATIBHA)	8.76
7	MANTRI PRAGATI GANESH (AARTI)	8.51
8	DUSANE ROHAN GOPAL (NAYANA	8.48
9	PANDIT NEHA KAILAS (ARCHANA)	8.45
9	GADILOHAR DINESH MANGALDAS (KALPANA)	8.18
10	BADGUJAR AKSHARA SAMADHAN (KAVITA)	8.15

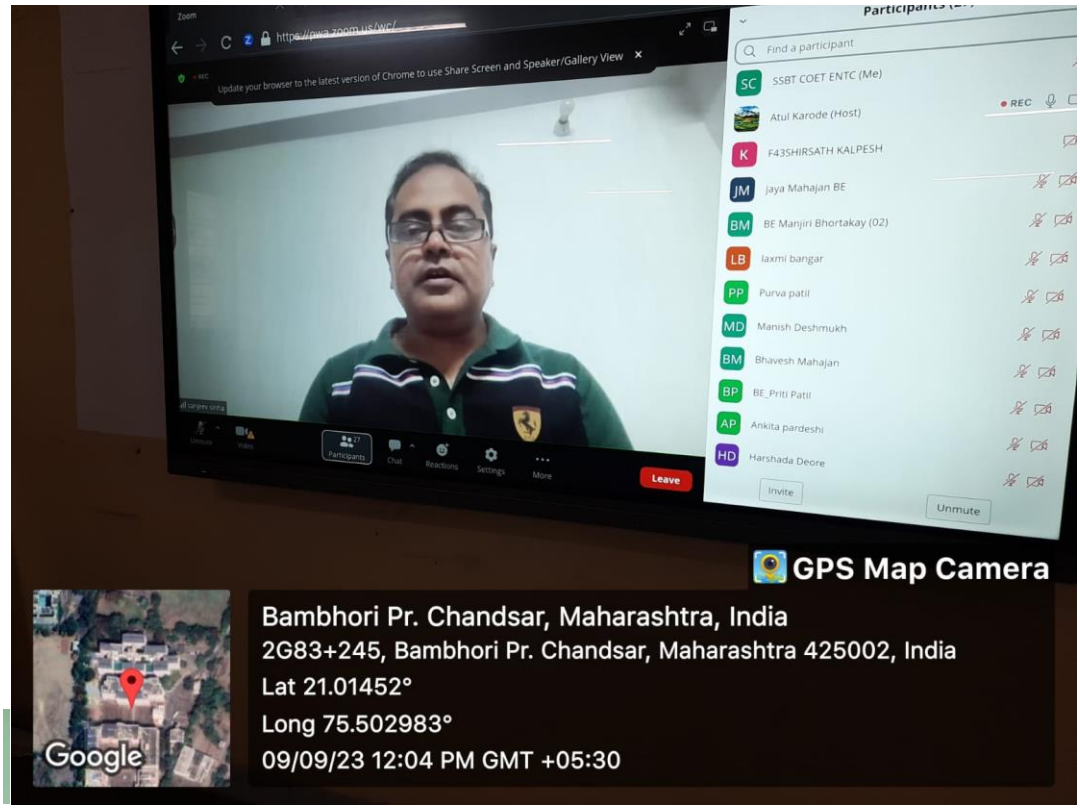
BE (E&TC)

Merit No.	Name of the Student	CGPA
1	RATHORE KARUNA SUBHASH (VANDANA)	9.28
2	SONONE PIYUSH ASHOK (SAU RATNABAI)	9.16
3	DESHPANDE SURBHI NILESH (REKHA)	9.04
4	PATIL PRIYANKA INDRAJEET (VAISHALI)	8.95
5	HIVARKAR KOMAL PRAKASH (MANGLA)	8.87
6	SALUNKHE PRATHAM SHARAD (MANISHA)	8.86
7	SHIMPI VAISHNAVI NAMDEO (JYOTI)	8.84
8	BHAGAT NIKHIL YASHWANT (SANDHYABAI)	8.79
9	GUJAR SEJAL JAYESH (SUJATA)	8.79
9	BADGUJAR JAGRUTI SOPAN (NANDA)	8.77
10	BADGUJAR PREM EKNATH (SANGITA)	8.76

Add-on Course during 1-7 Sept.2023

Teacher's Day Celebration

Alumni Interaction




SHRAMA SADHANA TRUST'S
COLLEGE OF ENGINEERING & TECHNOLOGY


SANT MUKTAI AUDITORIUM

Smt. Pratibhatai Patil
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)

Newsletter Editor:
Dr. V M Deshmukh
Asso. Professor

Students Members:

PARDESHI ANKITA NITIN (BE E&TC)
SHIMPI NIKITA (BE E&TC)
CHAUDHARI DIVYA S.(TE E& TC)
LAXMI BANGER (SE E&TC)
KRUSHNA KAPARE (SEE&TC)
MAYUR DAPURA (SEE&TC)