



## SSBT's College of Engineering and Technology, Bambhori Jalgaon

(Included under section 2 (f) and 12(B) of the UGC Act, 1956)

Grade B ++ (2.91) NAAC Accredited

# potential

Department of Electronics & Telecommunication Engineering

Volume XII, Issue II

Department Newsletter : July – December 2021

### 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) 12 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) IEEE Student Branch
- 8) IETE Student Forum

### 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 B++ (2.91) NAAC Accredited
- 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 Accredited by National Assessment and Accreditation Council (NAAC) with CGPA of 2.91 on a seven point scale at B++ Grade, valid for a period of Five Years from 16-09-2016 (Vide letter No: F.19.26/EC(SC-17)/DO/2016/132.1, dated 19-09-2016). During the last 36 years, the department developed the twelve well equipped and furnished labs along with Seminar room, Departmental library, separate Departmental Computer Lab with soft wares like MATLAB, XILINX, DSP, UL-TIBOARD, ORCAD etc, & reception of Eklavya Channel from IIT Powai for students.

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.
- Conducting **PMKVY courses** in the department.
- 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.



## लोकमत

# एसएसबीटीत विनामूल्य ऑनलाइन शिक्षण उपक्रम

लोकमत न्यूज नेटवर्क  
जळगाव : अभियांत्रिकी विद्याशाखेच्या थेट द्वितीय वर्ष इलेक्ट्रॉनिक्स अँड टेलिकम्युनिकेशन प्रवेशासाठी इच्छुक असलेल्या विद्यार्थ्यांसाठी बांभोरी येथील एसएसबीटी महाविद्यालयातील ई अँड टीसी विभागातर्फे विनामूल्य ऑनलाइन शिक्षण उपक्रम हाती घेण्यात आला आहे. या विनामूल्य शिक्षण उपक्रमाचा विद्यार्थ्यांनी लाभ घ्यावा, असे आवाहन महाविद्यालयाकडून करण्यात आले आहे.

पदविका पूर्ण केलेल्या व थेट द्वितीय वर्षात प्रवेश घेऊ इच्छिणाऱ्या

विद्यार्थ्यांची प्रवेश प्रक्रिया ही लांबत जाते. त्यामुळे सुरुवातीला शिकवण्यात येणारा एक ते दीड महिन्यातील अभ्यासक्रमाला या विद्यार्थ्यांना मुकावे लागते. त्यामुळे या विद्यार्थ्यांचे शैक्षणिक नुकसान होते. असे होऊ नये म्हणून ई अँड टीसी विभागातर्फे थेट द्वितीय वर्षाच्या विद्यार्थ्यांसाठी प्रथम सत्राचे ऑनलाइन वर्ग १३ सप्टेंबरपासून नियोजित करण्यात आले आहे. त्यामुळे इच्छुक विद्यार्थ्यांनी डॉ. एस. आर. सुरळकर, डॉ. एम. पी. देशमुख, डॉ. पी. जे. शहा, डॉ. व्ही. एम. देशमुख, डॉ. पी. एच. झोपे यांच्याशी संपर्क साधावा, असे महाविद्यालयातर्फे आवाहन करण्यात आले आहे.

Hello Jalgaon  
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## 'सेमीकंडक्टर'साठी भारताचेही शङ्ख

पीएलआय योजनेला केंद्रीय मंत्रिमंडळाची मंजूरी

सकाळ न्यूज नेटवर्क

इंडिया सेमीकंडक्टर मिशन

- कालावधी : ६ वर्षे
- एकूण खर्च : ७६,००० कोटी रुपये
- प्रोत्साहन निधी : २.३ लाख कोटी रुपये
- वेफर उत्पादन, जोडणी, चाचणी आणि पैकेजिंग, उत्पादन यांसाठी कंपन्यांना २५ टक्क्यांपर्यंत प्रोत्साहन पांडवळ
- आरंभ, संशोधनात काम करणाऱ्या स्टार्टअप कंपन्यांनाही प्रोत्साहन
- योजनेतून १.७ लाख कोटी रुपयांची गुंतवणूक अपेक्षित

नवी दिल्ली, ता. १५ : इलेक्ट्रॉनिक्स उत्पादनांमध्ये तसेच ऑटोमोबाइल इंटेलिजन्स (कृत्रिम बुद्धिमत्ता) क्षेत्रासाठी अत्यंत महत्वाच्या मानल्या जाणाऱ्या सेमीकंडक्टरच्या उत्पादनात चीन आणि इतर देशांना टक्कर देण्यासाठी आता भारतानेही शङ्ख ठोकले आहेत.

सेमीकंडक्टरच्या उत्पादनात देशाला ओएस बनविण्यासाठी सरकारने इंडिया सेमीकंडक्टर मिशन अंतर्गत उत्पादनाशी निगडित प्रोत्साहन (पीएलआय) योजना आणली आहे. पंतप्रधान नरेंद्र मोदी यांच्या अध्यक्षतेखाली झालेल्या केंद्रीय मंत्रिमंडळाच्या बैठकीत या मोहिमेवर तसेच प्रधानमंत्री कृषी सिंचन योजनेतर्फे उत्तराखंड आणि हिमाचल प्रदेशातील सिंचन प्रकल्पांवर शिक्कामोर्तब करण्यात आले.

२०२१-२६ या कालावधीसाठी प्रधानमंत्री कृषी सिंचन योजनेच्या अंमलबजावणीला मंजुरी

पान ८ वर >

जगाभरात सेमीकंडक्टरचा पुरवठा घटल्याने स्मार्टफोनपासून लॅपटॉप, वाहनांसह वेगवेगळ्या उत्पादनांवर परिणाम झाला आहे. त्यामुळे सेमीकंडक्टरचे उत्पादन वाढविण्यासाठी आणि भारताला इलेक्ट्रॉनिक हब बनविण्यासाठी इंडिया सेमीकंडक्टर मिशन राबविले जाईल.

- अश्विनी वेण्णाव, केंद्रीय माहिती तंत्रज्ञानमंत्री

### Faculty Profile

Sr No	Faculty Name	Designation	Qualification	Experience	Mobile No
1	Dr. S. R. Suralkar	Professor & Head	Ph.D	29 years	9421513244
2	Dr. M. P. Deshmukh	Professor	Ph.D	30 years	9422276792
3	Dr. P. J. Shah	Professor	Ph.D	30 years	9890239789
4	Dr. V. M. Deshmukh	Associate Professor	Ph.D	29 years	9890456078
5	Mr. N. M. Kazi	Assistant Professor	M. E.(E.C.E.)	22 years	9422980311
6	Dr. P. H. Zope	Assistant Professor	Ph.D	19 years	9860631040
7	Mr. A. H. Karode	Assistant Professor	M.E.(Digital Electronics)	17 years	9850087247
8	Mr. A. C. Wani	Assistant Professor	M.E.(E.C.E.)	19 years	9422214008
9	Mr. S. P. Ramteke	Assistant Professor	M.E.(Digital Electronics)	15 years	9423432362
10	Mr. S. K. Khode	Assistant Professor	M.E.(Digital Electronics)	13 years	8793347891

### Non Teaching Profile

1	Ms. Rajshri B. Patil	Lab Technician	B.Sc.(Electronics)	24 years	9890637759
2	Mr Vijay Patil	Peon	H.S.C.	26 years	9421684217



A visit of Dr. Chetan Singh Solanki IIT Mumbai with Energy Swaraj Yatra to SSBT Campus a snap of E&TC department staff and students.



**B.E. E&TC Engineering Results (Academic Year 2021-22 Sem-I)**

Year	No. of Students Appeared	No. of Students Passed	% of Passing
B.E. E&TC	28	28	100%

**BE. E&TC Toppers**



**MAHAJAN JAYASHRI RAVINDRA**  
**CGPA—9.28**  
**I- (KBCNMU Rank 1)**



**BHOSALE KETKI VIJAY**  
**CGPA—9.23**  
**II- (KBCNMU Rank 2)**



**Ms. PATIL ROHINI POPAT**  
**CGPA—9.15**  
**III- (KBCNMU Rank 3)**

**TE. E&TC Toppers**



**RATHORE KARUNA SUBHASH**  
**CGPA—9.71**  
**I- (KBCNMU Rank 1)**



**NAIR ANANDHU VINOD**  
**CGPA—9.71**  
**II- (KBCNMU Rank 1)**



**JOSHI ATHARV PRADIP**  
**CGPA—9.71**  
**III- (KBCNMU Rank 1)**

## B.E. E&amp;TC Engineering Results (Academic Year 2021-22 Sem-I)

## BE (E&amp;TC)

Sr No	Name of the Student	SGPA
1	MAHAJAN JAYASHRI RAVINDRA	10
2	LULE PUSHPAK SAMADHAN	10
3	PATIL ROHINI POPAT	10
4	MAHAJAN LOKESH SANJAY	9.86
5	JOSHI DARSHANA UMAKANT	9.81
6	PATIL AJAY KASHINATH	9.76
7	PATIL PARAG BHATU	9.76
8	CHAUDHARI PRIYANKA VIJAY	9.71
9	PATIL CHANCHAL ANIL	9.71
10	BARHATE CHINMAY RAMANAND	9.62
11	WAGH CHARUSHILA CHANDRAKANT	9.62

## TE (E&amp;TC)

Sr No	Name of the Student	SGPA
1	JOSHI ATHARV PRADIP	9.71
2	NAIR ANANDHU VINOD	9.71
3	RATHORE KARUNA SUBHASH	9.71
4	BADGUJAR PREM EKNATH	9.62
5	BHAWSAR VAIBHAV MANISH	9.57
6	DESHPANDE SURBHI NILESH	9.57
7	GUJAR SEJAL JAYESH	9.48
8	BADGUJAR JAGRUTI SOPAN	9.43
9	MALVEKAR HARSHALI PRABHAKAR	9.38
10	SONONE PIYUSH ASHOK	9.33

## SE (E&amp;TC)

Sr No	Name of the Student	SGPA
1	SHIMPI NIKITA SANDIP (RUPALI)	9.9
2	PATIL PRITI NARENDRA (ASHA)	9.85
3	SONAR FALGUNI PRADIP (MANISHA)	9.85
4	ANKITA NITINSINGH PARDESHI (NEHA PARDESHI)	9.67
5	DUSANE ROHAN GOPAL (NAYANA)	9.65
6	KHANORE ARNAV SANJAY (SAMPADA)	9.6
7	GURAV GAURAV SANDU (MANDABAI)	9.56
8	MANTRI PRAGATI GANESH (AARTI)	9.5
9	MAHAJAN JAYA SHARAD (SARALA)	9.47
10	BHORTAKAY MANJIRI PRAFULLCHANDRA (SWATI)	9.45
11	PATIL VIPIN VANSING (PRATIBHA)	9.42





**Newsletter Editor:**  
Dr. P. H. Zope, Asst. Professor

**Members:**  
MAHAJAN LOREESH SANJAY (BE E&TC)  
JOSHI DARSHANA UMAKANT (BE E&TC)  
PATIL AJAY KASHINATH (BE E&TC)  
BADGIAR PREM EKNATH (TE E&TC)



**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. S. R. Suralkar**  
**Professor & Head (E & TC)**