



Saraswati Education Society's
Saraswati College of Engineering

Plot no: 46, Sector 05, Near Utsav Chowk, Kharghar, Navi Mumbai, 410210.

Department of Electronics and Telecommunication engineering

Newsletter: July'15 – Dec'15

Vol.15

Our Inspiration



Hon. Shri Prithvirajji Deshmukh

Chairman, SES



Smt. Vrushali Deshmukh

Founder Secretary, SES



Dr. Manjusha Deshmukh

Principal, SCOE



COLLEGE VISION & MISSION

VISION: “To become center of excellence in engineering education and research.”

MISSION: “To educate students to become quality technocrats for taking up challenges in all facets of life.”

DEPARTMENT'S VISION & MISSION

VISION: “To make students capable to contribute in development of society through research.”

MISSION: “To impart quality education to train students in emerging technologies in Electronics and Telecommunication Engineering”



Prof. Sheetal Bukkavar
H.O.D.

From the HOD's Desk:

The Department of Electronics & Telecommunication Engineering has consistently maintained an exemplary academic record. The greatest asset of the department is its highly motivated and learned faculty. The Department has been consistently working towards the goal to produce highly skilled and scientifically oriented manpower through flexible, adaptive and progressive training programs along with cohesive interaction with the research organizations, academicians and industries. In a nutshell, the department is well nurtured to cater the needs of education for the career enhancement of students from both technical as well as social aspects.

Program Educational Objectives (PEO)-

Graduates will,

- Apply the knowledge of mathematics and science to identify, formulate and define engineering problems in the field of Electronics and Telecommunication Engineering.
- Contribute to the needs of the society in solving technical problems using electronics & communication engineering principles, tools, and practices.
- Demonstrate professionalism, ethical attitude, communication skills and teamwork to adapt current trends by engaging in lifelong learning.
- Impart analytic and logical skills to initiate and develop innovative ideas for R &D, industry and multidisciplinary domain.
- Excel in higher education and succeed in technical profession exhibiting global competitiveness.
- Design systems, components or processes that meet specified needs with appropriate considerations for public health & safety, cultural, societal and environmental considerations.

Program Outcomes (PO)-

At the end of the Program, a student will be able to:

- Engage in life-long learning and an understanding of the need to keep up with current developments in the specific field of practice
- Apply knowledge of mathematics, science and engineering as appropriate to the field of electronics & telecommunication engineering practice.
- Understand of the effects of the engineering solutions in a global, economic, environmental and societal context.
- Design systems for applications based on the acquired knowledge to solve real time requirements.
- Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex problems.
- Demonstrates the knowledge of theoretical & practical aspects of signal processing to meet desired needs within realistic constraints such as economic, environmental, social, ethical, health and safety.
- Design, simulate and fabricate electronic and communication systems, components, devices as well as to design and simulate the analog and digital processes of physical world
- Acquire the communication skills necessary to interact effectively in multidisciplinary teams.
- Participate and succeed in competitive examinations or seek employment in the industry.
- Demonstrate leadership, managerial and entrepreneurship skills
- Understand impact of engineering solutions on the society with awareness of project management and finance related issues.

Departmental Events

Campus Recruitment Training

Duration: (27th July to 2 Aug. 2015)



Our department had organized one week Aptitude Training workshop for the final year E&TC students both B.E. (Div. - A & B), it was conducted by Mr. Vinay Raikar from Campus Credentials Institute. During the course they covered Aptitude preparation, group discussion & HR Interview. This workshop will be helpful to the final year students in their campus placements.

Seminar on Electronics Components Identification & Testing

(12 August 2015)



E&TC department had organised seminar on Electronics Components Identification & Testing for S.E. & T.E. students of both A & B divisions on 12/08/15.



The expert faculty for this seminar was Mr. Sanjay Chaudhari, head of Electronics Study Center. In this Seminar students got knowledge about various electronics components and their use in circuit building.

Workshop on PCB Designing

(27th August 2015)



The PCB workshop 2015 was conducted by IEEE - SCOE student branch on 27th August 2015. The workshop was

inaugurated by Principal Dr. Manjusha Deshmukh.



The workshop was organized to benefit the 2nd and 3rd year students studying in Electronics & Telecommunication department to build their mini projects and to have an experience on software as well as hardware.



The aim of this workshop was to help students to build various projects and also to enhance their technical skills.

ETSA Induction

(7th September 2015)

Electronics and Telecommunication Student Association (ETSA) for year 2015-2016 was formed on 7th September 2015. The students were handed their badges and duties by the principal Dr. Manjusha Deshmukh and faculties of EXTC department.



This students committee is responsible for organizing various technical & non-technical events for E&TC students for whole year.

Teachers' Day

(7th September 2015)



Teachers' Day was organized on 7th September 2015 by the students of E&TC department of SCOE along with the ETSA committee. Students from all the years contributed in the celebration for the faculties.



Ruchita Gowda a student council member said few words of appreciation for the faculties. Students had organized fun games for the faculties. It was really a joyful moment for all faculties.

Engineer's Day

(15th September 2015)

Engineer's Day was celebrated on 15th September 2015 in the department of Electronics and Telecommunication. The event was conducted under ETSA for all the students of the college. Participation was observed from students of other department as well Opening ceremony of the event was done by the head of the department Prof. Sheetal Bukkavar.



Various events had been conducted circuit building, Techno-hunt, Technowiz, final destination, Rapid fire, Pyramid, Blind maze & Rescue the key.



Foundation Day

(17th September 2015)

On 17th September 2015, SCOE celebrated the foundation day of the institute which was organized by our E&TC department.



The day was started with hoisting the flag by retired Wing Commander L. Devrajan, followed by National Anthem. On this occasion, retired Wing Commander L. Devrajan, Principal of SCOE Dr. Manjusha Deshmukh & Principal of RIOT Prof. D. R. Suroshe had given inspirational

speech. The Souvenir of faculty's research publication was also released on this day.



Topper students of all the departments as well as the faculties who got their doctorate degree were felicitated by the dignitaries.

Expert Lecture on Mobile Communication (7th October 2015)



Expert Lecture on Mobile Communication was conducted for B.E. students of both A & B divisions on 7th Oct. 2015, for the subject Mobile Communication.

The expert faculty for this lecture was Prof. Arti Gore. This lecture was beneficiary for students as they got additional knowledge regarding the subject.



Expert Lecture on Microcontroller & its Application (7th October 2015)

Expert Lecture on Microcontroller was conducted for T.E. students of both A & B divisions on 7th Oct. 2015, for the subject Microcontroller & Its Application. The expert faculty for this lecture was Prof. Dr. Manjusha Deshmukh, Principal SCOE.



In this lecture students understood basic concepts of microcontroller and got idea about its various applications which will be helpful to them in final year project.



Seminar on 5 G Technology

(22 December 2015)

Seminar on '5-G Technology' was conducted in our E&TC department for faculties. The speaker was Prof. Dr. Sanjay Pawar, Principal, UMIT, SNDT.

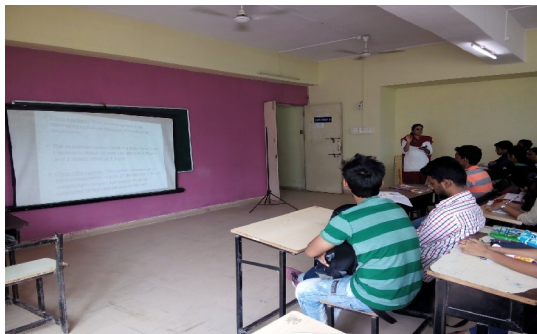


He sneaked about future of wireless communication network.

Expert Lecture on Optical Communication Network

(12th October 2015)

Expert Lecture on Optical Communication Network was conducted for B.E. students of both A & B divisions on 12th Oct. 2015.



The expert faculty for this lecture was prof. Sonali Sahu. The objective of this lecture was to provide students additional knowledge of the theory subject and tell them applications of any existing theory/idea in the field of optical communication network.

He discussed various 5G related technologies as well data network such as Software-Defined Network (SND), Cognitive Network (CN). He has given vary useful knowledge about upcoming technology as a research point of view.

Industrial Visit

Our E&TC department had organised two industrial visits.

Our final year student had visited north side places like Manali-Chandigarh-Amritsar. It was seven days IV from 22/12/2015 to 28/12/2015. Industries visited by them are Peda Electronics and Akashwani at Chandigarh.



Second IV was organised for second year students at Goa. It was four days IV. In this IV students were visited many places in Goa. Industry visited by them was Panjim Doordarshan Kendra.



All sections of doordarshan such as transmitter, receiver, earth station, switching-control room & studio section were shown to them.



Students Achievements

Result At Glance

List of Toppers for Academic Year- (2015-2016)

ODD SEM

S.E. SEM-III Div- A

Sr. No	Name	SGPI
1	Gaikar Chaitali	9.35
2	Chauhan Rahul	8.46
3	Chauhan Roshan Kumar	8.27

S.E. SEM-III Div- B

Sr. No	Name	SGPI
1	Shinde Sonal	9.08
2	Patil Abhijit	8.77
3	Tavari Devendra	8.77

T.E. SEM-V Div- A

Sr. No	Name	SGPI
1	Darne Rahul	9.7
2	Berde Prasad	9.22
3	Bhosale Ankita	9.07

T.E. SEM-V Div- B

Sr. No	Name	SGPI
1	Ubale Madhui	9.37
2	Samadder Sushmita	9.22
3	Prabhu Madhav	9.11

M.E. SEM-I

Sr. No	Name	SGPI
1	Sawant Shraddha	8.18
2	Bangera Swapnil	7.09
3	Metha Varun	7.05

Placement

We proud and glad to notify that our 36 final year students have been placed.

Sr. No.	Date	Name	Company	Package
1	15/10/2015	Shruti Ghadage	Selec Control	3.0 Lac pa
2	15/10/2015	Pratik Gadhawe	Selec Control	3.0 Lac pa
3	15/10/2015	Amrutesh Thopian	Selec Control	3.0 Lac pa
4	15/10/2015	Nitin Nale	Selec Control	3.0 Lac pa
5	15/10/2015	Pranav Dhotre	Selec Control	3.0 Lac pa
6	11/01/2016	MilindKumar Pal	Sutherland	1.8 Lac pa
7	11/01/2016	Gaurav Kothari	Sutherland	1.8 Lac pa
8	11/01/2016	Snehal Keni	Sutherland	1.8 Lac pa
9	11/01/2016	Sagar Satam	Sutherland	1.8 Lac pa
10	11/01/2016	Pooja Kshirsagar	Sutherland	1.8 Lac pa
11	11/01/2016	Pooja Gajare	Sutherland	1.8 Lac pa
12	11/01/2016	Hansa Yadav	Sutherland	1.8 Lac pa
13	11/01/2016	Rohith Menon	Sutherland	1.8 Lac pa
14	11/01/2016	Renuka Salunkhe	Sutherland	1.8 Lac pa
15	11/01/2016 17/01/2016	Vaibhav Pawar	Sutherland Zeus Learning	1.8 Lac pa 4.2 Lac pa
16	11/01/2016	Priyanka Belose	Sutherland	1.8 Lac pa
17	11/01/2016	Rasika Gudetwar	Sutherland	1.8 Lac pa
18	11/01/2016	Chaitravi Patil	Sutherland	1.8 Lac pa
19	11/01/2016	Sneha Yadav	Sutherland	1.8 Lac pa
20	11/01/2016	Rima Pai	Sutherland	1.8 Lac pa
21	11/01/2016	Prajakta Utekar	Sutherland	1.8 Lac pa
22	11/01/2016	Anand More	Sutherland	1.8 Lac pa
23	11/01/2016	Swapnali Desai	Sutherland	1.8 Lac pa
24	11/01/2016	Sindreall Farnandis	Sutherland	1.8 Lac pa
25	11/01/2016	Sanjana Iyer	Sutherland	1.8 Lac pa
26	11/01/2016	Prachi Kumbhar	Sutherland	1.8 Lac pa
27	11/01/2016	Deepak Vijaybahadur	Sutherland	1.8 Lac pa
28	11/01/2016	Hiral Patel	Sutherland	1.8 Lac pa
29	11/01/2016	Pratik Hawle	Sutherland	1.8 Lac pa
30	11/01/2016	Snehal Chorge	Sutherland	1.8 Lac pa
31	11/01/2016	Neha Pawar	Sutherland	1.8 Lac pa
32	11/01/2016	Shivam Singh	Sutherland	1.8 Lac pa
33	11/01/2016	Bhushan Patil	Sutherland	1.8 Lac pa
34	11/01/2016	Ganesh Vhatkar	Sutherland	1.8 Lac pa
35	11/01/2016 30/01/2016	Sunmaia Quadri	Sutherland Nucsoft	1.8 Lac pa 2.5 Lac pa
36	30/01/2016	Monica Zinjad	Nucsoft	2.5 Lac pa

Heartiest congratulations to our Toppers as well as placed students. “God bless you and we hope that you make us proud in the future as well”.

Students Achievement in Extra Curricular Activity

One of the ME student of Our E&TC department **Mr. Vijay Pal** was participated in Inter-College Research Convention 'Avishkar 2015' organized by Mumbai University on 30th December 2015 and he reached up to second round of this competition.



Project Title: "Efficient High Gain Circularly Polarized MSA using Asymmetrical RSI Surface".

Internal Guide: - Prof. Sheetal Bhujade.

Faculty Achievements

Publication in International Journals/Conferences

Name Of Publisher/presenter	Publications
Radhika Deshmukh, Dr.Manjusha Deshmukh	"Detection of paddy leaf disease", Proceedings on International Conference on Advances in Science and Technology, 8 th December 2015
Ketaki Joshi, Dr.Manjusha Deshmukh	"An Advanced Image Data Hiding Method using Reversible Data Hiding based on Contrast Enhancement", Proceedings on International Conference on Advances in Science and Technology, 8 th December 2015.
Inampudi Srilakshmi, Dr.Manjusha Deshmukh	"Comparisons of Image Deblurring Techniques Employing Non-Blind Deblurring Approach", Proceedings on International Conference on Advances in Science and Technology, 8 th December 2015.
Jayshree Katkar, Dr.Manjusha Deshmukh	"Continuous User Authentication", Proceedings on International Conference on Advances in Science and Technology, 8 th December 2015.
Sheetal Bukkawar, Mandeep Kundhal, Sinora Ghosalkar	"A Review of Wireless Network Virtualization, A New Approach for Enhancing Spectrum Utilization", Proceedings on International Conference on Advances in Science and Technology, 8 th December 2015.
Naresh Joshi	"Dual Feed Square Patch Antenna with Circular Hole in Square", International Conference on Advance Science & Technology, ICAST-2015.

Vijay Pal, Prof. Sheetal Bhujade	“Efficient High Gain Circularly Polarized MSA using Asymmetrical RSI Surface & Fabry Perot Cavity Resonator”, presented in ICMOCE 2015 conference at IIT Bhubaneswar.
Nivedita Mahadik , Prof. Sheetal Bhujade	“Effect of Changing the Substrate in Multilayer Microstrip Antenna”, IJRSET, December 2015.
Nivedita Mahadik , Prof. Sheetal Bhujade	“Design of Multilayer Microstrip Antenna Array for Fixed Wi- Max Application”, ICAST 2015, 8 th Dcember 2015.
Bhagyashree Dere, Prof. Sheetal Bhujade	“Spectrum Sensing & Allocation in Cognitive Radio Networks”, IJAREEIE, December 2015.
Rashmi Hukkeri, Prof. Sheetal Bhujade	“Enhanced Channel Estimation Survey on Techniques with & without Using Slepian Sequence”, August 2015.

- Prof. Umesh Pinjarkar has attended two weeks ISTE Approved STTP Open Source Technology for Engineering Applications & Research”, at COE & TECH., Babhulgao, Akola.
- Prof. Umesh Pinjarkar has done certified NPTEL course of topic, “Principal of Modern CDMA/MIMO Wireless Communication”.

Other Achievements

- From our E&TC department Five R&D proposals are submitted to Mumbai University.
- Our department has signed Memorandum of Understanding (MOU) with department of AIMS InfoTech, Thane.

Editors:

Prof. Kanchan Dhuri
Prof. Suchitra Mujumdar

Department of Electronics and Telecommunication Engineering