



**Shri Sant Gajanan Maharaj College of
Engineering**
SHEGAON, MS, INDIA
Newsletter December 2018

**DEPARTMENT OF ELECTRONICS AND
TELECOMMUNICATION
DECEMBER 2018
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**World Class
Engineering and
Management in
the Environment
of Spiritual
Foundation to
Serve the Global
Society**

ABOUT:

The Department of Electronics and Telecommunication Engineering is one of the major department of SSGMCE, Shegaon established in 1983 offering programs: Under Graduate, Post Graduate and Ph.D. It is affiliated to Sant Gadge Baba Amravati University, Amravati, recognized by AICTE, New Delhi and approved by DTE, Maharashtra. The Undergraduate program of the Department of Electronics and Telecommunication Engineering has the recognition of being accredited four times by NBA, AICTE, New Delhi. The post graduate program was also accredited once by NBA, AICTE, New Delhi.

All the laboratories in the department are well equipped to run the program specific curriculum prescribed by the University. All laboratories are recognized and approved as research laboratories for Ph.D. work by SGB Amravati University.

Dr. G.S. Gawande
Head, Department of Electronics & Tele. Engineering

The department has following laboratories:

- Digital Signal Processing Laboratory.
- VLSI-Embedded System Design. Laboratory.
- Power Electronics Lab/ Instrumentation Laboratory.
- Project Laboratory.
- Communication Engineering Laboratory.
- Analog and Digital Circuit Laboratory.
- Electronics Devices and Circuit Laboratory.
- Electronics Work Shop Laboratory.
- Cadence Laboratory.
- PG Laboratory I.
- PG Laboratory II.

- **VISION:**

- To impart quality education and excel in Electronics and Telecommunication Engineering research to serve the global society.

MISION:

- To develop excellent learning center through continuous interaction with Industries, R&D centers and Academia.
- To produce competent, entrepreneurial and committed Electronics and Telecommunication Engineers.
- To develop state-of-the-art infrastructure, centers of excellence and to pursue research of global and local relevance.
- To inculcate ethical, spiritual and human values to serve the global society.

Program Educational Objectives (PEOs)

- **PEO1:** To produce Electronics & Telecommunication engineers with a strong foundation of Mathematics, Science and Technology to fulfill needs of society.
- **PEO2:** To enable students to innovate design, simulate, develop, analyze and test hardware and software components for offering solutions to real life situations using state-of-the-art infrastructure and R&D facilities.
- **PEO3:** To nurture students with professional attitude, leadership, entrepreneurship, effective communication, teamwork & multi-disciplinary approach to serve in national and multinational organizations.
- **PEO4:** To inculcate ethical, moral and environment friendly values in students.

Program Outcomes (POs)

At the end of the program, a graduate will –

- [1] Develop an ability to apply knowledge of mathematics, science and engineering in appropriate fields of Electronics & Tele-communication engineering practice. (Engg. Knowledge)
- [2] Inculcate skills to design and conduct experiments, as well as to analyze and interpret data. (Problem Analysis)
- [3] Develop an ability to disseminate the knowledge of Components & Circuit Design, Communication Systems, Micro-computing & Digital System Design & implement them with latest technology. (Design ability)
- [4] Develop an ability to use research based knowledge using relevant literature survey to design experiments, mini projects, projects to analyze, interpret and synthesis the results to get valid conclusions. (Solutions to complex problem)
- [5] Develop an ability to use modern engineering & IT tools and techniques to solve industrial and engineering problems. (Use of modern tools)
- [6] Show the understanding of impact of engineering solutions on the society and also will be aware of contemporary issues. (The Engineer and the society)

- [7] Develop an understating of professional, moral, cultural and environmental responsibilities while imparting Electronics & Telecommunication Engineering solutions. (Environment and sustainability)
- [8] Inculcate an ability to apply principles of professional ethics and responsibilities while implementing engineering practices. (Professional responsibilities & Ethics)
- [9] Demonstrate an ability to work efficiently in the capacity of an individual, member or leader of a diverse team including multi-disciplinary tasks. (Team work)
- [10] Communicate effectively in both verbal and written form not only with engineers but also with the society at large. (Communication skills)
- [11] Be able to apply principles of project management and finance while effectively completing engineering and multi-disciplinary projects as an individual, a member or a leader. (Project management and finance)
- [12] Constantly perceive the need of consistent professional up gradation and will pursue independently the technological developments through trainings and higher studies. (Life long learning)

Program Specific Outcomes (PSOs)

- **PSO1** Students will be able to apply the fundamental and design knowledge in the areas of analog and digital circuits and systems for solving the real world engineering problems
- **PSO2** Students will be able to apply the fundamental knowledge for the analysis and development of communication based circuits and systems

Guest lecturers arranged in the department :

- Guest lecture on " **Cogninve Radio – Theory to paunce** " was organized by Prof. V. V. Ratnaparkhi on 25th July 2018 for all the BE final year students of ExTC Department, The lecture was delivered by Dr. Ashish Pandharipande. Lead R&D of Signify (new company name of Philips Lighting),High tech campus,5656 AE Eindhoven, The Netherlands

Topper in 2018:

Year	Name of students	University rank	CGPA
2018	Ku. Rupali S. Khodke	III	8.98

Recent publication by faculty:

Sl. No.	Author	Title of Paper	Conference	Year of publication	INSPEC accession number
1	Prof. Lopamudra Samal	A novel temperature invariant ring oscillator for low power application	IEEE international conference IICPE 2018 at NIT Jaipur	13-15 December 2018	18655297

Students internship statistics till December 2018

Sl. No.	Name of industry	Name of students	Duration
1.	Sciencetech, Indore	Aanchal Hansraj Wankar Raksha Anil Chauhan	13/12/ 18 to 13/12/ 19
2.	Endress+Hauser (India) Automation Instrumentation Pvt. Ltd , Aurangabad	Poonam Tayade	02/08/18 to 17/08/18
3.	Sciencetech, Indore	Project Group (3U2) Neha b. Chouhan Sakshi S. Golait Yasha P. Agrawal Vanshika S. Dongare	13/12/18 to 13/01/19
4.	Yogiraj Controls, Wardha	Rohit Gawali	09/06/18 to 16/06/18
5.	Reliance Jio Infocom Ltd, Indore	Hemadri Sharma	11/06/18 to 14/07/18
6.	Tinplate India Ltd, Jamshedpur	Bidisha Bose	15/06/18 to 13/07/18
7.	Endress+Hauser (India) Automation Instrumentation Pvt. Ltd , Aurangabad	Sayali Pusegaonkar	02/08/18 to 17/08/18
8.	Sciencetech Technologies Pvt Ltd Indore	Yasha Agrawal Neha Chavhan Vanshika Dongre Sakshi Golait Raksha Chauhan Aanchal Wankar	13/12/18 to13/01/19
9.	ESTRO Control Nasik	Vishal Magar Rishikesh Pachghade Jayshri Ingole Pallavi Langade	04/06/18 to 15/06/18
10.	Siemens Nashik	Vishal Keshavwar Vishal Magar	Three week
11.	TECHPROMETHEON Internet Private Limited Pune.	Ashwini Bhagat	01/06/18 to 30/06/18

12.	ANDLAB Technology Mumbai	Archana Borade Gauri Narwade Sakshi Bhise Varada Kolhe Aarti Gohatre Prajakta Yawle Mansi Dabhade Chaitanya Jain Vinayak Boratwar Yash Shriwas	08/06/18 to 07/07/18
13.	TECHPROMETHEON Internet Private Limited Pune.	Vaishnavi Thakre	01/06/18 to 30/06/18
14.	DoxPro Robotics Pvt. Ltd. Amravati.	Mayuri V. Changle Pooja P. Lokhande Renuka R. Hajare Shweta S. Tiwari	10/12/18 to 09/01/19
15.	SAMEER, R & D Lab of Ministry of Electronics and Information Technology, Government of India IIT Campus, Powai, Mumbai	Vaishnavi H. Nemane Aparna Raut (ME Student)	08/2018 to 07/2019
16.	V-Chip Design, Pune	Komal Santosh Tapare Pragati Mahadeo Sonone Sapana Ramdas Gavande Prashik Anilrao Tidake Ashwini Shivaji Pawar Bhagyashree Ashok Pahanptte Bhagyashri Sunil Wani Sandhya Sunil Solanke	One month
17.	Barquecon Technologies pvt ltd. Pune.	Mangesh Ghope Shubham Dhore	7 to 10 Days
18.	Pearl Automation, Pune	Pankaj Wagh Rishikesh Rathi Abhishek Dongre Abhishek Thakur Mukund Kinholkar Nilesh Sukode	20 days

Participation in inter-institute events by students

Sl. No.	Name	Date	Event	Conducted by	Event outcome
1	Karansingh Chandel	28/09/2018 to 01/10/2018	Techfest of IIT Bombay	IIT Bombay	Public speaking skill
2	Ankit Ahuja	05/09/2018 to 14/09/2018	Youth empower summit, Gondia	Government of Maharashtra	Public speaking skill
3	Shweta Tiwari Mayuri Mune Manjiri Kolte	11/09/2018 to 13/09/2018	Inter collegiate Yoga championship	Dr.R.D.Sawarkar Mahavidyalay,Paratwada	Total Health Integration of Personality and Emotional Maturity
4	Manjiri Kolte	20/09/2018	36 th yoga championship	Bruhan maharashtra yoga parishad, amravati	Total Health Integration of Personality and Emotional Maturity

Workshop and FDP organized by the department:

- Four week summer school on “CMOS VLSI circuit design using Cadence” was organized during 11th June-7th July 2018 for all the BE students of ExTC department. It was coordinated by Dr. K. B. Khanchandani , Prof. S. P. Badar and Prof. P. R.Wankhede.



- Four week summer school on **"Embedded systems and Internet of things"** was organized during 11th June-7th July 2018 for all the BE students of ExTC department. It was coordinated by Dr. K. B. Khanchandani, Prof. P. R. Wankhede.



- A three days workshop on **"Hands on digital system design with XILINX"** was organized by Prof. S. P. Badar during 8th to 10th September 2018 for all 3rd year final year students of ExTC department.



- The faculty development programme on “**Computer vision and machine learning**” was organized by Prof. Vikas. K. Bhangdiya during 3rd to 7th September 2018.



- A two days workshop on “**Project based learning using ARM7**” was organized by Dr. D. D. Nawgaje during 24th to 25th August 2018 for all final year students of ExTC Department.

Workshop conducted by the faculty in other institute:

- A workshop was conducted by Prof. V. V. Ratnaparkhi on "**Microwave components, circuits and antennas design & simulation using ADS**" at GH Raisoni COE & Management, Ahmadnagar during 30th August to 1st September 2018.



Industry visit by faculty:

Sl.No.	Name of Industry	Name of the faculty involved	Duration
1.	Sanjeev Auto Parts Pvt. Ltd., Aurangabad	Prof. P. R. Wankhede	04/07/ 2018
2.	SA Electronics, Pune	Dr. G. S. Gawande	10/07/2018 to 11/07/2018
3.	SA Electronics Pune	Prof. D. P. Tulaskar Prof. B. P.Harne Prof. K.T.Kahar Prof. S. G. Nemane	24/09/2018 to 27/09/2018
4.	i) Q &M Computech Pvt. Ltd., Nagpur ii) CII, Nagpur iii) Mahindra & Mahindra, Nagpur	Dr. G. S. Gawande	31/10/2018 to 01/11/2018
5.	V-Chip Tech. Pvt. Ltd., Pune	Dr. K. B. Khanchandani Prof. D. P. Tulaskar	01/11/2018
6.	Endress+Hauser (India) Automation Instrumentation Pvt. Ltd , Aurangabad	Prof. B.P.Harne Prof. K.M.Thanvi Prof. L. Samal	26/11/2018
7.	Global, Nagpur Summit-2018, Nagpur	Prof. D. L. Bhombe	30/11/2018 to 01/12/2018
8.	Surat, Baroda, Ahmadabad	Dr. R. S. Dhekekar Prof. K. T. Kahar	05/12/2018 to 08/12/2018
9.	MGIRI, Wardha	Prof. V. M. Umale	06/12/2018
10.	Rishabh Instruments, Nashik	Dr. G. S. Gawande Dr. M. N. Tibdewal Prof. S. G. Nemane	7/12/2018 to 08/12/2018
11.	Rattan India Power Limited, Amravati	Prof. V. S. Ingole	7/12/2018
12.	Rajaram Institute Of Industrial Technology, Margao, Goa	Prof. P. D. Kale Prof. M.L.Bhaiyya	12/12/2018 to 17/12/2018

Community development and extension services offered by the department:

- A workshop on “Yoga” was organized by Mrs. S. S. Gachake for the school students during 25th to 30th December 2018.

Final year placement statistics :

Sl.No.	Name of the company	Date of drive	Name of students placed	Salary offered in Lakhs per annum
01	TCS Ltd., Pune	2 nd & 12 th September 2018	Hardik Sanganeria Sakshi Bhise	3.37 LPA
02	ValueMomentum Software Services Pvt. Ltd., Hyderabad	6 th to 8 th December 2018	Pranit Vithalkar	3.30 LPA

Details of faculty as participants in faculty development trainings:

Name of the faculty	Name of programme	Place	Date
Prof. P. R. Wankhede	All India IEEE Congress.	Mysore	28-30, September 2018
Dr. K.B. Khanchandani	E&ICT, IIITDM, Jabalpur sponsored faculty development programme on “Computer vision and machine learning”	SSGMCE, Shegaon	03-07, December, 2018
Prof. D. L. Bhombe	E&ICT, IIITDM, Jabalpur sponsored faculty development programme on “Computer vision and machine learning”	SSGMCE, Shegaon	03-07, December, 2018
Prof. B. P. Harane	E&ICT, IIITDM, Jabalpur sponsored faculty development programme on “Computer vision and machine learning”	SSGMCE, Shegaon	03-07, December, 2018
Prof. D. P. Tulaskar	E&ICT, IIITDM, Jabalpur Sponsored Faculty Development Programme on “Computer Vision and Machine Learning”	SSGMCE, Shegaon	03-07, December, 2018
Prof. V. S. Ingole	Short Term Training Programme on AVR Microcontroller: Programming & its Applications in Embedded Systems	BNCOE, Pusad	10-15 December 2018

Prizes received by student:

Sr.No	Name of students	Event	Photos
1	Manjiri Kolte	She won 1 st prize at 36 th yoga championship conducted by Bruhan Maharashtra yoga parishad, Amravati on 20 th September 2018	

Publisher:

Dr.G.S.Gawande

Head ,

Electronics and Telecommunication Engineering

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