



**SHRI SANT GAJANAN MAHARAJ
COLLEGE OF ENGINEERING
SHEGAON, MS, INDIA**
Newsletter December 2016

**DEPARTMENT OF ELECTRONICS
AND TELECOMMUNICATION
ENGINEERING
DECEMBER 2016
EDITION #2, VOLUME #1**



World Class
Engineering
and
Management
in the
Environment of
Spiritual
Foundation to
Serve the
Global Society

About Department:

The department has taken development as a continuous process and assured this through its mission. The department has blend of senior, young and dynamic staff. The department has following laboratories equipped with modern instruments and advanced software.

- Digital Signal Processing Lab. / VLSI-Embedded System Design. Lab.
- Power Electronics (Instrumentation) Lab. / Project Lab.
- M.E. Computer Lab
- Communication Engineering (UHF) Lab.
- Analog and Digital Circuit Lab./ Electronics Devices and Circuit Lab.
- Electronics Work Shop Lab

To cope up with the advanced curriculum of the university, all these laboratories are equipped with special instruments like Wobuloscope, Emulator, OTDR simulation package, Xilinx 6.4, PLDs, TMS 380C50 DSP trainer kits, Klystron & Gunn benefits.

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

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(PEO'S):

PEO1	To produce Electronics and 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 and multi-disciplinary approach to serve in national and multinational organizations.
PEO4	To inculcate ethical, moral and environment friendly values in students.

Recent conference publication:

Sr.No	Author	Title of Paper	Conference Details
1	Prof. V.V. Ratnaparkhi	Design and performance analysis of microwave amplifier using s-parameters	IEEE international conference ICGTSPICC-2016
2	Prof. V.V. Ratnaparkhi	Design of GaN HEMT driver amplifier for X-band marine radar applications	IEEE international conference ICGTSPICC 2016
3	Prof. P. R. Wankhede, Dr. K. B. Khanchandani	Optic disc detection using template matching based on color plane histograms	IEEE international conference on global trends in signal processing, information computing and communication
4	Prof. Pravin Wankhede	Baggage tracing and handling system using RFID and IOT for airports	IEEE international conference on computing, analytics and security trends, COEP, Pune
5	Prof. P. R. Wankhede, Dr. K. B. Khanchandani	Optic disc detection using histogram based template matching	IEEE international conference (scopes) centurion university, odisha
6	Prof. V. K. Bhangdiya	Low power consumption of led street light based on smart control system	International conference on global trends in signal processing, information computing and communication
7	Dr. G. S. Gawande	Efficient design and implementation of multiplier less FIR filter	IEEE international conference on computing, communication, control and automation

Recent journal publication:

Sr.No.	Author	Title of Paper	Journals Details
1	Prof.M.N. Tibdewal	Classification of artifactual EEG signal and detection of multiple eye movement artifact zones using novel time- amplitude algorithm	Signal, image and video processing, springer (sivp-springer Sci indexed journal

Training program attended by faculty in the academic year 2016-17:

- Prof. Devesh D.Nawagaje attended the STTP on project based learning using ARM Processor held during 11th to 15th August 2016 at VIT,Pune in association with Pantech ProEd Pvt.Ltd.
- Dr.Santosh B. Patil attended the STTP on project based learning using ARM Processor held during 11th to 15th August 2016 at VIT,Pune in association with Pantech ProEd Pvt.Ltd.

Guest lecturers arranged in the department in 2016-17:

- Guest lecture on “Leadership Journey – Getting started” by Mr. Anurag Vashistha.
- Guest lecture by Mr. Ramchandra borhania & Mr. Shrikant takale, Mistsubhishi, Pune on "resent trends in factory automation.
- Guest lecture on "wireless technologies and computer architectures" by Prof. Aditi date, MIT, COE, Pune.
- Guest lecture on "embedded systems" by Dr. Neelima s. Iyer sr. Principal scientist and head, instrumentation & communication unit, csir-national chemical laboratory, Dr. Homi bhabha road, Pune 411008.
- Guest lecture on “biomedical engineering” delivered by Mr. Ramesh.
- Orientation about competition exam. & GATE (Career guidance cell) by Mr. Vishesh Agrawal, V-Chip Design training, pvt. Ltd, Pune.

Final year placement statistics in 2016-17:

Sr. No.	Name of company	Date	No. of students placed	Name of the students placed
01	Tata Consultancy Ltd., Pune	13 th & 23 rd Sept. 2016	08	1. Harshal Kumeriya 2. Aditi Patwardhan 3. Pralhad Ayachit 4. Shubham Nimje 5. Renuka Kale 6. Aditya Pathak 7. Vaibhav Galande 8. Abhishek Das

Final year internship statistics in 2016-17:

Sr.No.	Name of the student	Class	Name of the company	Duration
1	Chaitannya Gore	Third	Siemens Pvt. Ltd. Nashik	3Week
2	Avinash Nagare	year		

3	Ashwini Singh	Third year	Mitsubishi electric Pvt. Ltd. Pune	1 Week
4	Raviraj Deshmukh			
5	Raj Harne			
6	Sakshi Meshram			
7	Monali Kathane	Third year	Yogiraj control Pvt. Ltd. Wardha	3 Weeks
8	Rashmi rathi			
9	Leena Shah			
10	Kalyani Patankar			
11	Sampada Patil	Third year	Maritime research Ltd. Pune	3 Weeks
12	Sweta Gaikwad			
13	Soniya Dhamodkar			
14	Achal Bangade	Final year	NCL, Pune	4 Weeks
15	Aishwarya Wagdarker			
16	Mamta Rathi			
17	Shraddha Rikhe			

Student's achievements in 2016-17:

- Ashwini Singh, Nidhi Choudhari, Shreya Chikankar, Pooja Dabhade, Vaishnavi Vyavhare, Vinita Pawar secured gold medal in the event aerobics state level championship at Jalgaon.
- Ashwini Singh, Nidhi Choudhari, Shreya Chikankar, Pooja, Dabhade, Vaishnavi Vyavhare, Vinita Pawar secured gold medal in the event aerobics state level championship at New delhi.

Sponsored projects in 2016-17:

Project Title	Class	Name of students	Guide
RFID based bus tracking with smart security system	Third year	Ku. Payal Dilip Agrawal	Dr.D.D.Nawgaje
		Ku. Harshada G. Bharote	
		Ku. Arti Nagesh Ingle	
		Ku. Pranali Suresh Narwade	
		Ku. Pooja Ramesh Gawhande	
	Third	Vaibhav Ramesh	

Efficient Street lighting	year	Galande	Prof.V.K.Bhangadiya
		Ku. Darshana Devidas Shinde	
		Ku. Tejaswini Vinayak Pohare	
		Ku. Vrushali Sanjay Patil	
		Akshay Pundlikrao Renge	
Adaptive lighting system for Automobile	Third year	Shyam Bhikanrao Deshmukh	Prof.K.T.Kahar
		Prasad Hanuman Sontakke	
		Rameshwar Shivshankar Bhutekar	
		Sachin Nandkishor Jadhao	
		Nikhil Bhagwan Jibhakate	
Web based online weather parameters monitoring system using raspberry pi	Third year	Sushil Subhash Magar	Prof.P.D.Kale
		Dhiraj Rajeshrao Raut	
		Vaibhav Ajay Gaikwad	
		Ku. Bhumika Dayaram Chavhan	
		Ku. Dipali Gulabrao Bilore	
Design of Automatic 3-phase induction motor starter with protection	Final year	Ku. Kalyani Jayram Patankar	Prof.K.T.Kahar
		Ku. Monali Arun Kathane	
		Ku. Rashmi Rajeshrao Rathi	
		Ku. Leena Chandulal Shah	

Workshop/STTP organized by the department:

- Four days workshop on "MATLAB Apps. Development" organized by Prof. V. N. Bhonge & Prof. S. P. Badar on 30th July – 02 August. 2016.
- Workshops on “Antenna Design using 4NEC” organized Prof. V. V. Ratnaparkhi on

06th-07th August 2016.

- A two days short term course on "Wireless Technologies and Computer Architectures" by Dr. Suresh Borkar, IIT, Chicago, USA organized by Dr. G. S. Gawande & Prof. D. P. Tulaskar on 16-17 August, 2016.
- Two days workshops on "Digital System Design using Xilinx Vivado" organized by Prof. V. K. Bhangdiya on 3rd - 4th Sept., 2016.
- Three days workshop on "Lab VIEW -basics and implementation for control, data acquisition & image processing" organized by Dr. G. S. Gawande & Prof. Ms.B.P.Harne on 23th – 25th Sept. 2016.

Collaboration with industry - Institute:

Sr. No.	Industry	Nature of collaboration	Name of the faculty involved
1	Mitusubhishi Ind. Pvt. Ltd., MIDC, Bhosari, Pune	Lab. Developed at Institute	Dr. A.M. Agarkar & Prof. G. S. Gawande

Publisher: Dr.G.S.Gawande Head ,Electronics and Telecommunication	Editorial Team: Prof.V. N. Bhonge, Prof. D. P. Tulaskar Mr. Chaitanya Kalamkar
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