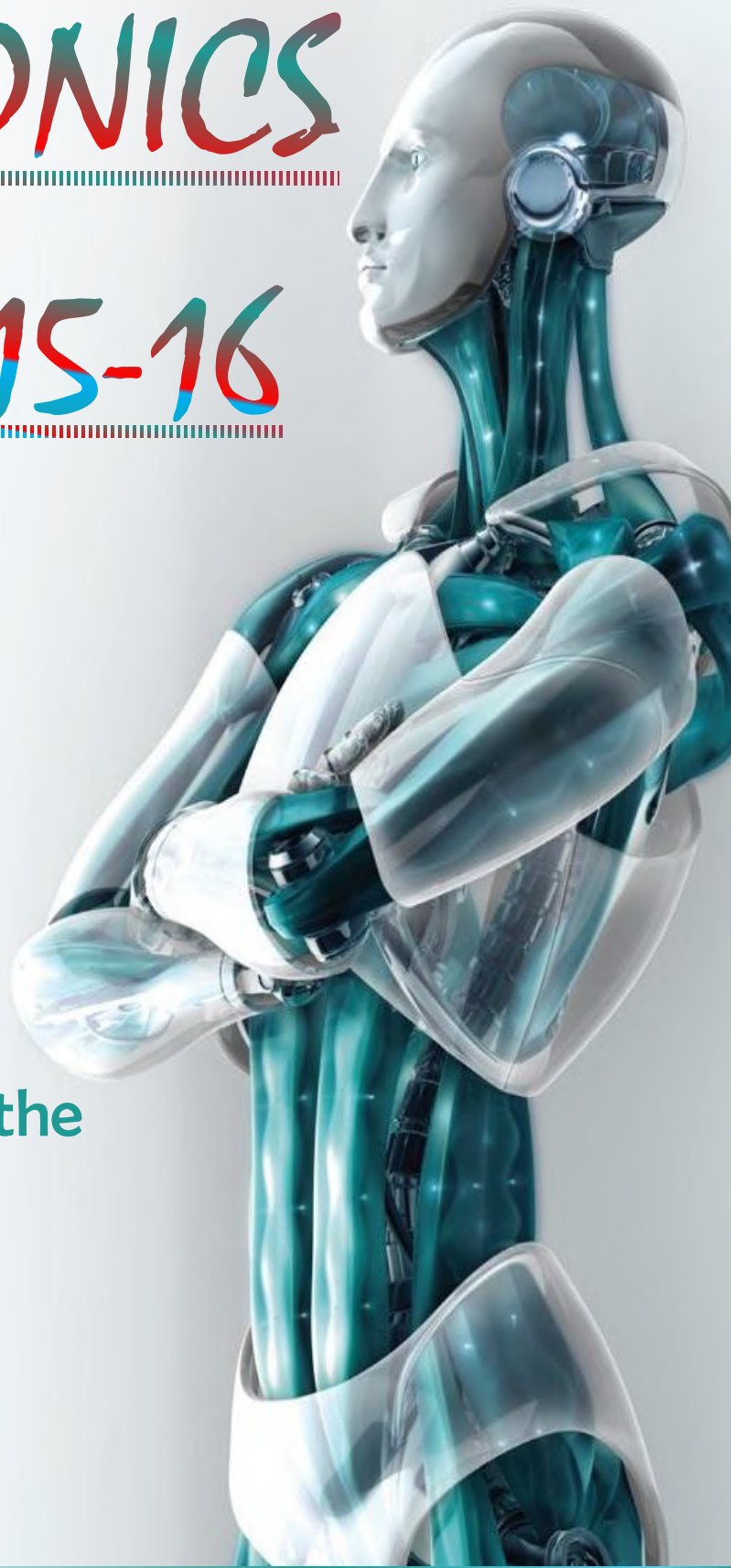


VISHWATRONICS

2015-16



“The Best way to predict the Future is to Invent it.”

we protect your digital worlds

Department Of Electronic Engineering
Vishwakarma Institute Of Technology

Pune

ABOUT THE DEPARTMENT

VISION

“ To be an acclaimed department for creating quality engineers with a spirit of professionalism and social responsibility”

MISSION

- To prepare competent professionals to meet current and future demands of industry and society through rigorous curriculum.*
- To strengthen collaboration with industries and international reputed to instil global insight.*
- To inculcate spirit of research and entrepreneurship amongst them.*

The Department of Electronics Engineering is one of the major Departments of Vishwakarma Institute of Technology, Pune. The Department is proactive in experiential learning and applied research in the areas of signal processing, microelectronics, speech processing, machine intelligence, communication engineering and real-time embedded systems.

The Department of Electronics Engineering established in the year 1985 offers Under Graduate course-B.Tech (Electronics Engineering).The Department caters to the ever increasing needs of technical brilliance in all allied areas of electronics engineering. The Department has well-equipped 10 laboratories with high end equipment such as Digital Storage Oscillator, High Frequency Counters, Antenna Trainer kits, Combiscopes, Pneumatic Trainer Kits, Blackfin Digital signal processors, FPGA Vertex-5 kits, Spartan-3E kits, ARM 7, ARM 9, Cortex-M3 kits etc. and licensed softwares such as Mentor Graphics, MATLAB etc.

Our faculty members challenge their students, share insights gained through professional experience and communicate the knowledge they've spent a lifetime acquiring. They don't rely on teaching assistants and they're supportive in the classroom.

FROM THE HOD'S DESK

A warm Welcome!

Greetings from our newsletter team! Our journey together has reached to the third volume of the newsletter Vish-watronics.

The introduced event ICIP 2015 in last volume, the International Conference on Information Processing organised by our department is a grand success. Involvement of national level researchers, well-known key-note speaker added feathers in the success.

This issue has witnessed witnessed the signing of the first MoU of our sponsored project laboratory. It is developed for project groups and individual research activity. Now more students have been working as interns in various industries. Teaching staff has crossed the threshold for new grants and projects till today.

As usual the technical topics by students and faculty given here will motivate the forthcoming batches for their individual research activity. Now more students have been working as interns in various industries. Teaching staff has crossed the threshold for new grants and projects till today.

As usual the technical topics by students and faculty given here will motivate the forthcoming batches for their research. I pass on good wishes to the faculty and students for their success in meeting the professional competency. In addition, I accept as true that the sustained team efforts will help us marching towards professional excellence.



**Dr. Shripad
Bhatlawande**
Head,
Department of
Electronics
Engineering

CONFERENCES/ WORKSHOPS/SEMINARS ORGANIZED BY FACULTY

1. Department of Electronics Engineering organized an international conference on "Information Processing" during Dec 16, 2015-Dec 19, 2015.
2. Prof. Mrs. Swati Shilaskar organized Industrial Oriented 60 hours Course on "SoC Design Verification using System Verilog", during Jan-Mar 2016.
3. Prof. (Dr.) Shripad Bhatlawande organized Industrial Oriented 60 hours Course on "Real time Embedded Systems" during Jan-Mar 2016.
4. Prof. (Dr.) Vijay Gaikwad and Prof. Milind Rane organized a one day workshop on "ICT Education" during Feb 2016.
5. Prof. Mrs. Swati Shilaskar organized a workshop on "FDP on IC design Flow using MENTOR Graphics HEP1 tool" under VLSI during Mar 2016.
6. Prof. Mrs. Medha Wyawahare organized "Workshop on Raspberry Pi" during April 2016.

Photo Gallery





Faculty Awarded

Sr No	Name of Faculty	Award received	Awarding Body	Date Awarded	Place	Details of Awards
1	S.N.Shilaskar	VIT SHRI	VIT, Pune	01/09/2015	Pune	Well appraised Teacher
2	V. D. Gaikwad	VIT SHRI	VIT, Pune	01/09/2015	Pune	Well appraised Teacher , research paper, research grant, central support
3	A.A.Dixit	VIT SHRI	VIT, Pune	01/09/2015	Pune	Well appraised Teacher
4	N. A. Parmar	VIT SHRI	VIT, Pune	01/09/2015	Pune	Well appraised Teacher
5	M. M. Shidore	VIT SHRI	VIT, Pune	01/09/2015	Pune	BCUD project , Contribution in College level Activities(Aesthetic)

INDUSTRY ASSOCIATION

Sr. No.	Name of the Visitor	Name of Industry/ Organization	Date of Visit	Topic of discussion
1.	Mr. Sagar Deshmukh	Siemens , Pune	14-8-2015	Industrial Automation/ 3D printer design
2.	Mr. Nitin Raverkar	Seagate , Pune	9-4-2016	Microcontroller code debugging using logic analyzer

RESEARCH PUBLICATION

Sr. No	Faculty Name	Name of Conference/Seminar	Place	Dates	Paper Title
1	Dr. M.S. Deshpande	Regional research conference, Pune (INNOVIATION-2015).	BCUD, PUNE	July 2015	Paper published on a MEMS based intelligent system for a hybrid power generation storage plant
2	Prof. S.N. Raut	International Journal Of Latest trends in Engineering and Technology,(IJLTET).	Online	July 2015	Paper Published on Channel Estimation of MIMO-OFDM using TVLMS Filter
3	Prof. S.N. Shilaskar	International Journal of Advance Engineering and research Development.	Online	July 2015	Paper Published on Implementation of UDP/IP stack in FPGA
4	Prof. S.M. Lambor	IEEE symposium Adaptive and Decentralized control.	SNDT, MUMBAI	10-11 Sep 15	Poster-Empirical analysis evaluative of a generic re-linking technique for robust route maintenance.
5	Prof. S.M. Lambor	IEEE Bombay Section Symposium,(IBSS-15)	Online	Sep 2015	Poster-Empirical analysis evaluative of a generic re-linking technique for robust route maintenance.
6	Dr. M.S. Deshpande	International Journal of Computer Applications (IJCA).	Online	13-Oct 2015	Paper published on car license plate detection

RESEARCH PUBLICATION

Sr. No	Faculty Name	Name of Conference/Seminar	Place	Dates	Paper Title
9	Prof. S.M. Lambor	Symposium of Recent Advances and Challenges in Engineering and Management RACEM-2015.	Online	Dec 2015	Paper published on Analysis of Routing in wireless Sensor Networks using Markov model and its Validation using regression.
10	Dr. V.D. Gaikwad	Elsevier Journal Procedia Computer Science.	Online	Dec 2015	Paper published on Vision Pedestrian Detection for advanced driver assistance
11	Prof. M.V. Wyawahare	International Journal of Biomedical Engineering and Technology.	Online	2015	Paper Published on Features selection and classification for automatic detection of retinal nerve fiber layer thinning in fundus images
12	Dr. Ashwinee Barbadekar	International journal of latest trends in engineering and technology.	Online	Jan 2016	Paper published on a survey of face recognition from sketches.
13	Dr. V.D. Gaikwad	ACCET-2016, 3 rd International conference on ACCET.	Modern COE, PUNE	11-12 Feb 16	Paper presented on Fruit Quality Evaluation using k-means Clustering approach.

RESEARCH PUBLICATION

Sr. No	Title of the Project	Subject Area/ Area of specialization	Funding Body	Name of the Principal Investigator	Name of the Co-Investigators	Duration of the project	Amount Granted
1	Low-Cost High-Tech Educational Robot as Teaching Aid	Embedded system	BCUD, Savitribai Phule Pune university	Prof. M.M. Patwardhan	Prof. Milind Kamble, Prof M.M.Shidore	2 years	1,90,000 lakhs
2	Advanced detection of micro cracks/damage in Solar Cells	Computer Vision	BCUD, Savitribai Phule Pune university	Prof V.D Gaikwad	Prof A.M chopde	2 years	2,00,000 lakhs

IEEE Student Branch Activities

Sr. No.	Name of the Event	Date	Conducted By
1.	Latex Workshop	7 th September	Mr. Harshal Jadhwar Ms. Rutuja Dongare
2.	Lab Inauguration	1 st October , 2015	Chief Guest Mr. Mandar Khurjekar
3.	Intro-meet	17 th October, 2015	Ms. Priyanka Injmulwar Mr. Abhishek Desai
4.	IEEE XTREME	24 th October, 2015	IEEE Team
5.	MATLAB	11 th – 13 th January, 2016	Ms. Sayali Divekar Ms. Ishita Daga Ms. Sanjeevani Rajput Mr. Harshal Patil
6.	JAVA	18 th – 20 th January, 2016	Mr. Suraj Bhala Mr. Chinmay Bhimanwar
7.	ANDROID	21 st – 23 rd January, 2016	Mr. Harshal Patil
8.	Social Visit (Sindhutai Sapkal School)	26 th January, 2016	IEEE EXECOM
9.	Graphics Design	2 nd Feb, 2016	Mr. Mohit Kulkarni Mr. Chinmay Wyawahare
10.	Micro-controller (8051)	29 th Feb- 1 st Mar, 2016	Mr. Onkar nirmale Ms. Akshata Malgham
11.	Guest Lecture on “DoS in wireless Networks”	16 th March, 2016	Dr. Jalel Ben Othman (Professor of Computer Science in University of Paris)
12.	Web Designing	6 th -7 th April, 2016	Mr. Krishna Lahoti Mr. Vivek Nargude
13.	Raspberry Pi	18 th – 20 th April, 2016	Mr. Mohit Kulkarni Mr. Chinmay Wyawahare



Student Awarded

Sr No	Name of Student	Event	Venue	Award/Participated/Publication	Year
1	Swapnali Sangale	International Journal of Advanced Engineering and Research Development	Online journal	Published, Issue 07 , Volume 02	July 2015.
2	Swapnali Sangale	National Level Inter-Engineering Sports meet SUMMIT'15	MIT, Pune	Participation	10- 14 Sep 2015
3	Swapnali Sangale	Vishwakarandak - 2015	VIT, Pune	2 nd Prize in Volleyball	22 -24 Sep 2015
4	Nikhil Mahajan Purva Pimplikar	Firodiya Karandak - 2016	COEP , Pune	Flip Animation - 1 st Prize	25 Feb 2016
5	Rajesh Kumbhar ELEX Kulkdeep Hankare ENTC Aniket Mali Abhishek Shinde	Cummins Pentacles'16 - kho-kho (Boys)	Cummins COE Pune	First Prize	12 -14 Feb 2016

Student Awards

Sr No	Name of Student	Event	Venue	Award/Participated/Publication	Year
7	Sneha Navale Suraj Khade Kuldeep patil Padmini Pandhare	ACCET-2016, 3 rd International conference on ACCET – 2016	Modern COE , Pune	Published	11-12 Feb 2016
8	Swapnali Sangale	Annual Sports fest pace 2016	Army Institute of Technology, Pune.	Participation	8-10 Feb 2016
9	Shubham Pahade	Pentacle 16	Cummins COE, Pune.	2 nd position in Table Tennis	12-17 Feb 2016
10	Sneha Navale Suraj Khade Kuldeep patil Padmini Pandhare	Impetus and Concepts 2016 Project Competition.	PICT, Pune	Published, Third prize(cash 3000 /-)	11-13 March 2016
11	Swapnali Sangale	Volleymeet 2016	PICT , Pune	Runner – up	2016

Placements Records

Recruiting Companies : -

INFOSYS
ACCENTURE
WAVELET TECHNOLOGIES
AUDIENCE SCIENCE INDIA
FLEXTRONICS TECHNOLOGIES
NAUTIX TECHNOLOGIES
TATA TECHNOLOGIES
FINIQ CONSULTING
SG ANALYTICS PVT. LTD.
CADENCE DESIGN SYSTEMS

WIPRO
L&T INFOTECH
I BM
AMDOCS INDIA
CYBAGE
AVANTI (N)
SYMANTEC
ORACLE INDIA
TEJAS NETWORK
LEVIA TECHNOLOGIES

COGNIZANT
EINFOCHIPS LTD.
TATA ELXSI
TECH MAHINDRA
IGATE
JOHN DEERE
ERICSSON
DIEBOLD SYSTEMS
PERENNIAL SYSTEMS
GOLDMAN SACHS

YEAR	PLACEMENT OFFERS IN CORE COMPANIES	TOTAL PLACEMENT OFFERS
2012-13	17%	57%
2013-14	13%	72%
2014-15	7%	74%
2015-16	45%	84%

Alumni Diary

“We had great time in Vishwakarma Institute of Technology during our graduation. In first year, I had opportunity to organize Industrial lecture at auditorium. Post session Principal called me and said my attempt was good & I must keep practicing. Those words were carved on my heart & I overcame the fear of public speaking. Now I manage more than 50 team members, I give speeches many times to my customers even at full of auditorium. This confidence I have received from this great organization especially from Electronics Engineering department which at initial stage given me opportunity to stand up & boost confidence. Similar to this I had great opportunities for all 4 years to represent Department of Electronics Engineering in various intercollege competitions like Firodiya, Purushttam-Mood Inditgo of IIT Mumbai which has evolved our personality, helped me grow team playing and most importantly we won many accolades for the college which gave us lot of pride & helped us to manage multi-tasking in our professional life. I would be happy to be associated with my department through alumni again & give back to students to grow in their life further.”



Mr. Mandar Khare,
1998 batch

Current Profile: Regional Manager, IT Distribution. He recently contributed to addition of 100 Cr Revenue to reach 460 Cr against 360 Cr previous year



Mr. Ketan Shah, 2013
Batch
Current Profile: Predictive Analytics Consultant at IBM, Buffalo, also Member of Phi Beta Delta Society at Syracuse University

“My four years in Electronics Department were one of my best experiences I ever had. It gave me exposure to various extra-curricular activities along with great academics. It provided all the facilities and encouragement needed to attain high in life. Looking back, I can see my department was extremely important and a stepping stone in my career. It allowed me to develop my interpersonal skills, which are extremely important in any field of work “

Our Students

"It gives me immense pleasure and an exemplary experience to have graduated from Electronics Engineering Department of Vishwakarma Institute of Technology, Pune. The department not only enriches the technical knowledge and competitiveness but also works towards the overall personality development of the student with various extra-curricular activities and clubs. The teaching faculty is enthusiastic and friendly in terms of creating a play and learn atmosphere to gain knowledge. The co-curricular activities also help us shape ourselves better, for our professional life, with various professional workshops, guest lectures and talks by eminent personalities. The mini-projects in each semester help us to develop our problem solving skill, team work compatibility and practical implement"



**Ms. Siddhi
Karadkhedkar,
BE Electronics**



**Ms. Priyanka
Palshetkar,
TE, Electronics**

"The Electronics Department is a perfect balance of discipline and joyful learning."

*"Electronics is the key to the future and
The Electronic Engineering Department is
the key maker. Glad to be a part of it".*



**Pratik Rokade,
TE, Electronics**



**Sangram Kate
TE, Electronics**

"The Electronics Department has done various programs to build the quality of students in terms of technical improvement. Teachers are very Co-operative and helping and are always ready to guide within their subjects as well as for career. There are various forums in Department which one can enroll himself/herself these fields includes both technical, on technical event which enables one for his/her overall development. College has done very good job in terms of placement and it has managed to help student go get the best of the career he/she is dreaming through career counselling, pre-placement activities session."

Editors

Staff Editors :

Prof. S.M.Lambor

Prof. S.V.Kurundkar

Prof. S.N.Shilaskar

Student Editors :

Ameya Andey

Rucha Nimbhorkar

Rohit Mundada

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