



JIET COLLEGE OF ENGINEERING

CANDELA

where the mind is without fear...

B. Tech. (Electronics and Communication Engineering)
Issue - 15 | December, 2016 | Half Year News Letter



JIET

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HOD Message

It is heartening to know that ECE department is bringing out its bi-annual newsletter 'CANDELA'.

It is due to the untiring efforts of the editorial team that this issue has been so wonderfully conceived and presented. Every year students' contribution to news letter is overwhelming. I wish every success to them.



Prof. Gaur Sanjay B.C.
HOD (ECE, JIETCOE)

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FACULTY DEVELOPMENT PROGRAM (FDP)

A well executed 14 days Faculty Development Program which was scheduled on July 08-23, 2016 in JGI for the benefits of all the newly joined and the old faculty and staff members. This FDP has benefited by various expert, mentor and demo lectures and also emphasis on the Lab session which help everyone to improve their theoretical as well as practical knowledge. In ECE, JIETCOE FDP was started on 08th July 2016 by interaction with Prof. Sanjay Gaur (HOD-ECE, JIETCOE). Prof. M.G. Soni (Asso. Prof., EE Deptt., M.B.M., Jodhpur) delivered expert lectures on 'Signal and System' for faculty members of ECE departments of both campus on 09th July 2016.

A software session on MATLAB was conducted during FDP. In this session various problem solving techniques was discussed and faculty members of ECE deptt. (Both Campus) participated in this session. The resource person for the above software session was Prof. Sanjay Gaur (HOD-ECE, JIETCOE).

ORIENTATION PROGRAM

From 28 July to 03 August 2016, a six days orientation program for III, V and VII semester students was organized in the department of electronics and communication engineering to make them aware about the department and the career options available in the field of electronics. In this program HOD, Dy. HOD along with coordinators of various Cells gave keynote speeches. Various faculty members delivered zero lectures on their subjects explaining the importance of the subject in core field.

PLC & SCADA WORKSHOP :

A three days Workshop on 'PLC and SCADA' organized by Prof. Sanjay B.C. Gaur and Prof. Sanjay Bhandari (Asso. Prof., ECE, JIET) at Computer Programming Lab, EEE Department from 11-13 July. This workshop was organized for faculty members of ECE (JIETCOE), ECE (JIET) and EE (JIET) department. In this workshop more than 40 faculty members participate. The main objective of this workshop is to make acquainted with the conceptual as well as practical knowledge of the Industrial Automation & latest technologies being used to achieve industrial automation. The workshop consists of a legion of valuable information and useful tools. The resource person for this workshop was Mr. Lokesh Tiwari (Technical Head, Vision World Tech Pvt. Ltd., Jaipur).



ELECTRONICS DESIGN WORKSHOP:

A one day Electronics Design workshop was organized for 50 students from 1st year (JIET-COE) on September 08, 2016, to make the students capable designing and implementing an electronic circuit. The workshop started with lectures about brief history, recent technologies in PCB designing, working and testing of components. Lecturers were delivered by Mr. Kapil Dave (Asst. Prof. (Sr.), ECE, JIET-COE) and Mr. Gunjan Mathur (Asst. Prof. (Sr.), ECE, JIET-COE).

After lecturer session students divided in two labs (location: Project lab and EDC lab, ECE deptt., JIET-COE). In lab they get aware about functionality of Multi-meter, CRO, and Function Generator.

In the next stage, the student designed & implemented Full Wave Rectifier on general purpose PCB. This workshop was very useful for student and was also appreciated by Campus Director, Dean Engg., Dy. Registrar, HODs and faculty.

Following faculty members made it successful:

Mr. Kapil Dave (Asst. Prof. (Sr.), ECE, JIET-COE)

Mr. Gunjan Mathur (Asst. Prof. (Sr.), ECE, JIET-COE)

Mr. Kailash Sharma (Technical Asst., ECE, JIET-COE)

Mr. Nitesh (Technical Asst., EEE, JIET-COE)

Ms. Lalita Goswami (Technical Asst., ECE, JIET-COE)

WORKSHOP:

A One Day certified workshop on "Preparing Students for Job Interview" was organized by Department of ECE, JIET-COE through ICT, NITTTR Chandigarh at ECE Seminar Hall, JIETCOE for VII Semester students on 07 October, 2016. This workshop was very useful for student and was also appreciated by Campus Director, Dean Engg., Dy. Registrar, HODs and faculty.



GUEST LECTURE CUM INDUSTRIAL VISIT:

33 Students of ECE VII Sem. along with Mr. Hemant Jain (Asst. Prof. (Sr.)) and Ms. Poonama Verma (Asst. Prof.) visited Prasar Bharti Kendra, Masuriya Hill, Jodhpur on August 17, 2016. This visit enhanced their knowledge regarding the subject "Antenna and Wave Propagation". Here they gained knowledge regarding antennas, INSAT 3C and INSAT 4B satellites, modulation processes for AM and FM Broadcasting in Jodhpur city region.



Open House - 2016 Results

CHART COMPETITION

Rank	Name Of Student	Title Of Chart With Description
1	Shweta Kumari (VII Sem.)	: Rise Of Augmented Reality- Current And Future Prospects
2	Mishika Mathur, Preksha Chouhan (VII Sem.)	: Internet of things (IOT)
3	Divya Choudhary (VII Sem.)	: Speed control & monitoring of DC moter appliances with sensing of temprature variation effect

WORKING MODEL COMPETITION

1	Vaishali Goswami (VII Sem.)	: Virtual switching system
2	Karuna R. Saikia, Bhawana Paliwal (V Sem.)	: Electronic shock glove
3	Kavita Soni (V Sem.)	: Distance indicator

NON WORKING MODEL COMPETITION

1	Diksha Dangra, Vishakha Bhati Bhavya Moolani (V Sem.)	: Wireless Electronic Notice board using mobile phone using GSM
2	Isha Agarwal, Kritigya Champawat (V Sem.)	: Mobile charging using coin insersion
3	Supriya Pathak, Pooja Sharma (V Sem.)	: Cellphone controller Robot using microcontroller





EXPERT LECTURES

- Mr. Ashish Mathur (Asso. Prof. & Dy. HOD ECE, JIETCOE) delivered an expert lecture on “Introduction of OP-AMP 741 and its applications” for V sem. Students on August 02, 2016.
- Prof. Sanjay Gaur (HOD, ECE Deptt., JIETCOE) delivered an expert lecturer on “Structures of filter designing, its application and benefits” for VII sem. students on August 21, 2016.
- Mr. Hemant Jain (Asst. Prof. (Sr.)) delivered an expert lecture on “Introduction of Microwave Engineering “for V sem. Students on August 22, 2016.
- Prof. (Dr.) K.R. Chowdhary (Campus Director, JIETCOE) delivered an expert lecturer on "High Performance Microprocessor Architectures” for VII semester students on 10 September, 2016.
- Mr. Kapil Dave (Asst. Prof. (Sr.)) delivered an expert lecturer on "Properties and Applications of Smith Chart” for V semester students on 17 September, 2016.
- Prof. Sanjay Gaur (HOD, ECE, JIETCOE) delivered an expert lecturer on "Introduction of Basics of filter Design and Designing of IIR filters” for VII semester students on 14 October, 2016.
- Prof. Sanjay Gaur (HOD, ECE, JIETCOE) delivered an expert lecturer on “Chebyshev Filter Design” for VII semester students on 18 October, 2016.
- Prof. K.K. Arora (Asso. Prof., ECE, JIET) delivered an expert lecturer on "Applications of Biopotential” for V semester students on 19 October, 2016.
- Prof. Sanjay Gaur (HOD, ECE, JIETCOE) delivered an expert lecturer on " Digital filter design and frequency conversion” for VII semester students on 19 October, 2016
- Prof. Sanjay Bhandari (Asso. Prof., ECE, JIET) delivered an expert lecturer on "Laplace Transform and its Applications” for V semester students on 21 October, 2016.
- A video lecture was conducted for V Sem. ECE students on “Switching Techniques” on October 21, 2016. Lecture was delivered by Prof. A. Pal (Department of Computer Science Engineering, IIT Kharagpur).
- Mr. Hemant Jain (Assistant Prof.(Sr.)) delivered an expert lecturer on “Sampling and its necessity” for V semester students to improve basics of Analog Communication.
- Mr. Ashish Mathur delivered an expert lecturer on "Types of Sampling methods in Analog Communication” for V semester students on 04 November, 2016.

ACADEMIC PEARLS:

ECE VI Semester (Batch 2017)

Over all Result : 93.65 %

Top 3 Students	
ANKITA TIWARI	84.80
VINITA SEN	82.60
VAISHALI SONI	82.30

ECE III Semester (Batch 2018)

Over all Result : 88.26 %

Top 3 Students	
KAVITA SONI	80.50
RUPA	77.90
RAJNI KUMARI	77.50

ECE IV Semester (Batch 2018)

Over all Result : 88.24 %

Top 3 Students	
RAJNI KUMARI	88.70
RUPA	82.70
KAVITA SONI	79.80

FACULTY ACCOMPLISHMENTS:

- Prof. Sanjay Gaur (HOD, ECE Deptt., JIET-COE) delivered an expert session on “Filter designing using MATLAB” in a STTP, organized for Selected Associate Professors from M.B.M., Jodhpur and Govt. Polytechnic Colleges of Rajasthan at Teachers Training Center (TTC), Jodhpur on 09 August 2016.

STUDENT ACHIEVEMENTS:

- Ms. Shweta Kumari (VII Sem., ECE) has secured I position and Ms. Kavita Soni (V Sem., ECE) has secured II position in All India Essay Writing Event-2016 at college level competition organized by Shri Ram Chandra Mission.
- Ms. Elisha Chand (VII Sem., ECE) has participated in Debate competition at Poornima Engg. College, Jaipur.
- Ms. Ankita Tiwari (VII Sem., ECE) has secured II position in Debate Competition organized by Sardar Patel University of Police on 30 September, 2016.
- A college level Essay Competition was organized by MBA department and Technical Cell JIETCOE in association with Indian Oil Corporation Ltd. on 05 Nov. 2016 at ECE- Seminar Hall, JIET-COE. Ms. Kavita Soni from V Sem. ECE (JIETCOE) and 40 other students from different departments have been participated in Essay writing competition. Best three students were awarded with gifts and certificates.
- Ms. Divya Choudhary (VII Sem., ECE) and Ms. Shubhanshi Gupta (VII Sem., ECE) have participated in Panel Discussion on "Public Contribution in Eradication of Corruption from the Systems" organized by Technical cell JIET and EE department in association with Indian Railways on 05 November, 2016 at JIET Conference Hall, JIET and Ms. Divya Choudhary got second prize.
- The First round (Department Level) of Udyat 2016 was organized on 12 November 2016 at ECE seminar Hall. Result of the event is as follows:

Name	Position
1. Vaishali Goswami (VII Sem., ECE)	- I
2. Mishika Mathur (VII Sem., ECE)	- II
3. Ankita Tiwari (VII Sem., ECE)	- III



PLACEMENT SCENARIO

INFOSYS

Divya Choudhary
Subhanshi Gupta
Divya Choudhary
Dipshi Tak
Divya Choudhary

ACT TV

Divya Choudhary

GLOBAL ENGG. CORPORATION

Divya Choudhary

UNIVERSAL HUNT

Varsha Panwar
Kshipra Ojha
Mishika Mathur

CAPGEMIN

Ankita Tiwari
Rini Vyas
DipshiTak
RichaPanwar
Dolly Mehta

Work

Team



PATRON

Prof. (Dr.) K.R. Chowdhary
(Director, JIET-SETG)



CHIEF EDITOR

&

FACULTY CO-ORDINATOR

Mr. Kapil Dave
(ECE Dept.)



STUDENT CO-ORDINATOR

Ankita Tiwari, Jaya Srivastava
& Astha Sharma
(III Year, ECE)



JAS MEMBER

Er. Preeti Kumari



DESIGN & LAYOUT

Mr. Anil Chandora
(Admin)



JIET
Group of Institutions

JIET GROUP OF INSTITUTIONS

Campus : JIET Universe, N.H.- 65
Pali Road, Mogra, Jodhpur -342 802
Ph.: +91 291 2868152/53, 5170917/18
Email.: info@jietjodhpur.ac.in
Web.: www.jietjodhpur.ac.in