

JCT POLYTECHNIC COLLEGE

NEWS LETTER JUNE'19

VOLUME 2 ISSUE 3

DEPARTMENT OF
ELECTRICAL AND
ELECTRONICS ENGINEERING



OverCome Resistance!
Deliver full poTential!

The Editorial Board

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Editors

Mr.R.DHILEEP
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YOUR SUCCESS STARTS HERE



JCT INSTITUTIONS

PICHANUR COIMBATORE TAMILNADU INDIA

MISSION:

- State of –the-art infrastructure for conducive, quality learning
- Skills embedded education for productive careers and higher studies
- Value and Ethics integrated Technical Education

About JCT: Shri Jagannath Educational Health and Charitable Trust was established by renowned and philanthropic people with an objective of providing education to all especially the down trodden and rural population. Considering the growing demands for technical education in the country the trust has started an Polytechnic college namely JCT Polytechnic college in Pichanur in Coimbatore for the academic year 2014-2015.

The Management strives hard to enhance the professional knowledge, skills and attitudes of educators, so that they might in turn improve the learning process of students. The college aims at developing a deep understanding of the human values and social concerns among the engineering graduates.

Students will be encouraged to get equipped and sensitized to understand full implications of their decisions, actions and ever inactions. Above all the college will promote Technical Education to meet the requirements of a developing nation in the context of global concern at the threshold of the twenty-first century.

FROM THE DESK OF PRINCIPAL

Education as a profession is challenging and hence interesting. Here one works to meet needs of future. A student taking admission in an engineering college, say in 2019, at age of 18 or 19 years, is most likely to work in the domain and retire in around 2060. Considering the rate at which technology is changing it is difficult to even predict the state of technology in next 5 years. Thus in technical education we are actually preparing students for something that is continuously changing and to a greater extent unpredictable.

Understanding this, I feel that, one of the most important skills that a student requires to meet these changing and unpredictable needs is creativity. Creativity, as we commonly say, is the ability to think outside the box. It is the ability to think differently, unconventionally and with a new perspective.

We focus on discovering, developing and drawing out the hidden talents and the magic lying dormant inside all of its students. From academics to co-curricular activities, perseverance and a never-say-die spirit are entrenched in the heart of every student not only making them good students but brilliant human beings

My Hearty Congratulations for the Head of the Department and the editorial board of this Newsletter for bringing out the events and talents of the department.

Dr.R.Manoharan
Principal



MISSION:

- Quality technical education in Electrical, Electronics and allied Engineering
- Training programs imparting employable skills and knowledge towards employability or to pursue higher studies
- Programs on Human values and ethics to serve the society

**FROM THE DESK OF HOD**

I am pleased to share some of the exciting news in the Department of Electrical and Electronics Engineering happened during the academic year 2018-2019 Even Semester through our newsletter.

Newsletter is believed to be a focus of the inside activities i.e. academics, achievement of students and faculty as well as innovation occurring in the department. In the era of engineering and technology, this newsletter will motivate the teachers and students of sharing their creativity and new ideas with the world and will help in their overall development.

We are very grateful to our Management and Principal for their constant support and encouragement.

- Mr.A.Sakthivel
HOD / EEE

PROGRAMME OUTCOMES (POS)

1. Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
2. Problem analysis: Identify and analyze well-defined engineering problems using codified standard methods.
3. Design/ development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.
4. Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
5. Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.
6. Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.
7. Life-long learning: Ability to analyze individual needs and engage in updating in the context of technological changes.

PROGRAM SPECIFIC OUTCOMES (PSOS)

- | | |
|------|--|
| PSO1 | Students shall be able to use MATLAB/PLC/SCADA |
| PSO2 | Students shall be able to design and develop electrical/electronic systems and appliances as per society/industry requirements |

Program Educational Objectives:

1. Shall have productive careers in private and government organizations at the national and International level or become successful entrepreneurs.
2. Shall contribute towards the development of society by providing solutions through research and higher studies.
3. Shall have good communication skills, team work and lifelong learning attitude.

DEPARTMENT ACTIVITIES

SEMINARS

1. Department of Electrical and Electronics Engineering with ISTE organized a Seminar on "Wind Energy" on 25th January 2019.

The Chief Guest Mr. S.Antonyraj (CEO, Wind care India PVT), delivered the key note address and started his lecture with future trends in Wind Energy and its applications.

2. Department of Electrical and Electronics Engineering organized a Seminar on "Controllers for PMDC and stepper motors" on 5th February 2019.

The Chief Guest Mr. D.Nagarajan (Asst.Prof, JCT-CET), delivered the lecture on "Controllers for PMDC and stepper motors" with carrier guidance.

3. Our Department organized a Seminar on "Measurement of speed & Digital Energy meter used by TNEB" on 11th February 2019 by the Chief Guest Mr. D.Gopalakrishnan (HOD/EEE, Sree Ramakrishna Polytechnic College-CBE).

4. Seminar on "Programmable Lights" on 5th March 2019 with the Chief Guest of Mr. Shankarganesh (HOD/EEE, P.A. Polytechnic College-CBE).

MINI PROJECTS

JCT Polytechnic College and Department of Electrical and Electronics Engineering organized "State Level Mini Project Expo"(IGNITE'2K19) on 4th & 5th January 2019.



PAPER PRESENTATION

Department of Electrical and Electronics Engineering organized internal Paper Presentation on 28th December 2018.

The Chief Guest Dr. Geetha , Head , Department of Electrical and Electronics Engineering, JCT-CET, delivered the key note address.

FACULTY DEVELOPMENT

Our Department organized a Faculty Development program on "Power Electronics" on 21st and 22nd December 2018 by The Chief Guest Mr.Arunachalam (HOD/EEE, Government Polytechnic College -CBE).

STUDENT ACTIVITIES & ACHIVEMENTS

STUDENT PLACEMENT

The students of Electrical and Electronics Engineering Department secured the most number of placements. Out of 65 eligible students of our department, 32 have been placed. This year, many have been placed in core companies like CRI PUMPS, WINDCARE INDIA PVT LTD & GENN CONTROLS INDIA PVT LTD.



COMPANY	STUDENTS
WINDCARE INDIA PVT LTD	14
GENN CONTROLS INDIA PVT LTD	11
HINDUJA GLOBAL SOLUTIONS	04
ROYAL ENFIELD	02
TANFAC INDUSTRIES LIMITED	01

TOPPERS LIST

VI Semester Toppers	
NAME	RANK
ANADHU A	I
ASHOK P S	II
VISHNU V	III

IV Semester Toppers	
NAME	RANK
EDVIN LEO D	I
AKSHAY T	II
KIRSHNAPRASAD K	III

SPORTS

Sports day was conducted by our institution on January 24th and 25th. In that our students are participated in kapaddi and vollevball teams

STUDENT ACHIVEMENTS

In this academic year 17 students are actively participated in various competitions conducted by engineering and polytechnic colleges, in that the following 7 students are won the prize and awards.

1. Mr. VIBIN M & Mr. MOHAMED WASEEM.T of Final year EEE got Second Prize in the event "PROJECT PRESENTATION" in the National level Technical Symposium conducted on 29/12/2018 by HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE.

2. Mr. NIKHIL M & Mr. UBAID of Final year EEE got Thired Prize in the event "IDEA PRESENTATION" in the National level Technical Symposium conducted on 07/09/2018 by SNS COLLEGE OF ENGINEERING, COIMBATORE.

3. Mr. MUHAMMED ASHIF.J, SHERIN MOHAMMED & Mr. GOKUL. R of Final year EEE got Thired Prize in the event "PROJECT PRESENTATION" in the National level Technical Symposium conducted on 28/02/2019 by SRI RAMAKRISHNA ENGINEERING COLLEGE, COIMBATORE.