



Jyothi Engineering College

NAAC Accredited College with NBA Accredited Programmes*

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTIRI P.O. CHERUTHURUTHY, THRISSUR. PIN-679531 PH : +91- 4884-259000, 274423 FAX : 04884-274777



NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic years 2019-2022.

3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

3.2.2.1: Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

| Year | 2020 | 2019 | 2018 | 2017 | 2016 | 2015 |
|--------|------|------|------|------|------|------|
| Number | 5 | 1 | 1 | 2 | 3 | 2 |

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Sunny

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| 2 | 2020 | Research Culture, Publications, Patents, Funded Projects and related matters | RM | 80 | 07-06-2019 | 6 |
| 3 | 2020 | Webinar: How to search and analyse effectively to get relevant and latest literature: Few time saving tips | RM | 233 | 25-06-2020 | 9 |
| 4 | 2020 | Two days online workshop on "The Art of Technical Writing" | RM | 239 | 07/08/2020 to 08/08/2020 | 11 |
| 5 | 2020 | Webinar on Intellectual property Rights in Research: Knowing the Basics | IPR | 169 | 17/06/2020 | 16 |
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| | | | | | | |
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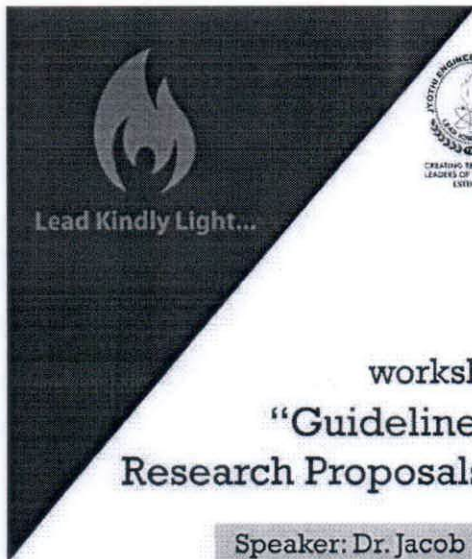
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Workshop on Guidelines for Writing Research Proposals and Research Papers



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workshop on "Guidelines for Writing Research Proposals & Research Papers"



Speaker: Dr. Jacob Philip, Dean -Academics,
Amal Jyothi College of Engineering, Kanjirapally

organized by
Jyothi Centre for Research and Development, JECC

on
10th January
2020.

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Report of Research Workshop on 10-01-2020

Jyothi Centre for Research and Development (JCRD) organized a one day workshop on Friday, 10th January 2020. The Speaker of the workshop was Dr. Jacob Philip, Dean - Academics, Amal Jyothi College of Engineering, Kanjirapally on the topic "Guidelines for Writing Research Proposals & Research Papers". The workshop Started at 10.30 am with a prayer. Sr. Dr. Rose Anitha welcomed the gathering. Rev. Dr. Jose Kannampuzha, highlight the importance of research for the growth of institution. Rev. Dr. Jaison Paul Mulerikkal, discussed on funded projects and publications. Dr. Jacob Philip handled the sessions on ethics in research, guidelines/tips to write research papers and doctoral thesis, and various opportunities in engineering science which was followed by active discussion. Sixty six faculty members participated in the workshop and Certificate of Participation was distributed. The workshop was concluded at 03.00 pm.



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Research Culture, Publications, Patents and Funded Projects

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Research Culture, Publications, Patents and Funded projects

DO IT
Academic Retreat 2019
VENUE : JYOTHI ENGINEERING COLLEGE 1st to 8th July 2019

Prof. Dr. Vineeth Paleri
Department of Computer Science and Engineering,
National Institute of Technology, Calicut, Kerala

Define the problem || Open your mind and apply creative techniques || Identify the best solution || Transform

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Report on "Research Culture, Publications, Patents, Funded Projects and related matters"

Jyothi Centre for Research and Development (JCRD) organized a session on "Research Culture, Publications, Patents, Funded Projects and related matters" July 6th, 2019, Saturday (9.15 am - 12.30 pm) at Jyothi Engineering College, Cheruthuruthy as part of "Do It" Academic Retreat. The Speaker of the workshop was Dr Vineeth Paleri, Professor, Department of Computer Science and Engineering, NIT Calicut. All faculty members of Jyothi Engineering College attended the session as part of Academic Treat. The session started at 09.15 am and concluded at 12.30 pm.

The schedule of the day was as follows:

| Time | Activity |
|---------------------|--|
| 09.15 am - 10.30 am | Input Session by Prof. Vineeth Paleri , Department of Computer Science and Engineering, NIT Calicut. Topics: Research Culture, Publications, Patents, Funded Projects and related matters |
| 10.30 am - 11.00 am | Tea Break |
| 11.00 am - 12.00 pm | Input Session - continues |
| 12.00 pm - 12.30 pm | Discussion with Prof. Vineeth Paleri |

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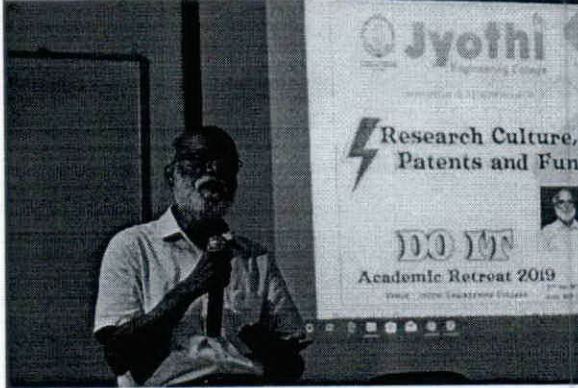
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Research Culture, Publications, Patents and Funded projects

DO IT
Academic Retreat 2019
VENUE : JYOTHI ENGINEERING COLLEGE 1st to 3rd July 2019

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Define the problem || Open your mind and apply creative techniques || Identify the best solution || Transform

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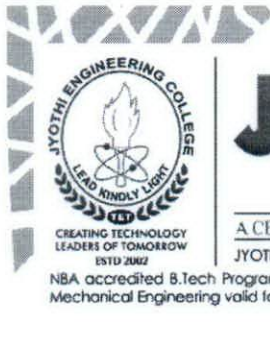
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How to search and analyse effectively to get relevant and latest literature: Few time saving tips



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WEBINAR ON

HOW TO SEARCH AND ANALYSE EFFECTIVELY TO GET RELEVANT AND LATEST LITERATURE: FEW TIME SAVING TIPS

RESOURCE PERSON



Dr Ramesh L. Gardas

Professor, Dept. of Chemistry
Indian Institute of Technology Madras



25 JUNE 2020
02:00PM - 03:00PM



Google Meet

Organised By
**Department of
Mechanical Engineering**

In Association With
**Jyothi Center for
Research and Development**

FOR MORE DETAILS CONTACT

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Assistant Professor
9496347349

Dr. Deepanraj B
Associate Professor
9943271703

Dr. Nivitha Varghees V
Research Coordinator
7708895897

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For Registration

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Report

Department of Mechanical Engineering organised a webinar on “**How to search and analyse effectively to get relevant and latest literature: Few time saving tips**” in association with Jyothi Center for Research and Development on June 25, 2020.

Resource person for the webinar:

Dr. Ramesh L. Gardas,
Professor, Department of Chemistry,
Indian Institute of Technology Madras, Chennai.

The program started exactly at 2.00 pm with the welcome address given by Sr. Dr. Rose Anitha (Director – Research). Prof. Ramesh Gardas started the session at 2.05 pm and described a lot of details about literature search and procedures with live demonstration in the scopus and other sites. The talk was really helpful for the faculty and students in various ways. Moreover, the lecture was interactive so that participants are able to clear their doubts. The program completed at 3.15 pm with the vote of thanks delivered by Mr. Sheik Afthab S, Assistant Professor of Mechanical Engineering.

Details of the participants registered for the webinar are given below.

Total No. of participants registered: 400+

Total No. of participants attended: 233 (excluding Resource Person and Coordinators)

No. of participants attended from Jyothi: 63

No. of participants attended from other colleges: 170

Total No. of institutes participated: 92 (including Jyothi)

No. of states covered: 14 states (including Kerala)

No. of International participants: 4

The entire program was recorded and the copy of video is attached herewith.

Thank you

Department of Mechanical Engineering
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Two days online workshop on "The Art of Technical Writing"



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TWO DAYS ONLINE WORKSHOP ON THE ART OF TECHNICAL WRITING

AUGUST 07 & 08, 2020

Meet our Resource Persons

7th August 2020, 11:00am

7th August 2020, 02:30pm



PREPARING EFFECTIVE RESEARCH PROPOSALS

Dr. Abhilash Suryan

Department of Mechanical Engineering
College of Engineering Trivandrum



PUBLICATION ETHICS AND UGC-CARE LIST

Dr. Shubhada Nagarkar

Dept of Library & Information Science
Savitribal Phule Pune University

8th August 2020, 11:00am

8th August 2020, 02:30pm



A FEW TIPS ON SCIENTIFIC WRITING SKILL: DO'S AND DON'TS

Dr. Ramesh L Gardas

Department of Chemistry
IIT Madras, Chennai, Tamil Nadu



BASICS OF PATENT DRAFTING

Dr. Sreedha P

Former KIRAN IPR Fellow
KSCSTE, Thiruvananthapuram

Convener
Dr. Biju P. L

Professor and HOD (ME)

Coordinators

Dr. Deepanraj B
Associate Professor

9943271703

Mr. Cijil B. John
Assistant Professor

9447703545

Mr. Suneeth S
Assistant Professor

9496352391



Register Now

<http://shorturl.at/otE04>

* E-Certificate will be provided to all the active participants

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PROGRAMME REPORT

Two Days Online Workshop on “The Art of Technical Writing”

August 07 & 08, 2020

Organised by

Department of Mechanical Engineering

In association with



Indian Society for Technical Education (ISTE)

JECC Chapter


Prepared by

Dr. Deepanraj B

Associate Professor, Dept. of Mechanical Engineering

Secretary, ISTE JECC Chapter

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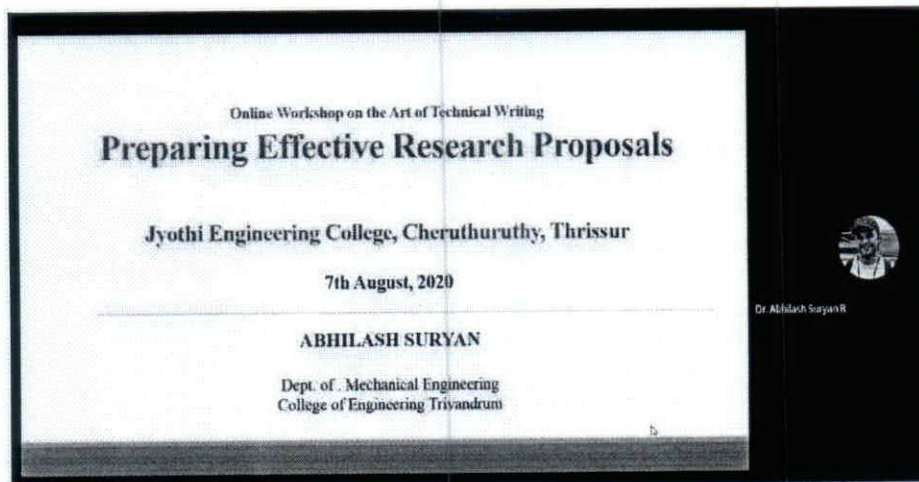


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Two Days Online Workshop on “The Art of Technical Writing” was organised by Department of Mechanical Engineering, Jyothi Engineering College, in association with Indian Society for Technical Education (ISTE) - JECC Chapter during August 07 & 08, 2020. Four different sessions covering research proposal writing, journal publications, publication ethics, UGC care journal list and patent writing with participants’ active interactions made the programme extremely attractive to the academic and research community. The workshop program was inaugurated by Dr. Biju P. L, Head of Mechanical Engineering Department. All together 239 participants from more than 100 different colleges attended the workshop programme.

Day 1: 7th August 2020

Forenoon session on “Preparing Effective Research Proposals” was handled by Dr. Abhilash Suryan, Assistant Professor, Department of Mechanical Engineering, College of Engineering Trivandrum, Kerala. The presentation was focused on the challenges, activities and engagements in writing research proposals. In addition to that, details about various funding options including DST-SERB, AICTE, DRDO, etc. and their submission procedures were also presented in an effective manner.



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Afternoon session on "Publication Ethics and UGC-CARE List" was handled by Dr. Shubhada Nagarkar, Assistant Professor, Department of Library and Information Science, Savitribai Phule Pune University, Pune. The presentation was focused on standard publication practices, responsible conduct of research, publication ethics, publication misconduct and plagiarism policies including self-plagiarism. In addition to that, details about the features of UGC care list, protocols for journal analysis and Group 1 and 2 journal list, were also presented in an interactive manner.

Standard publishing practices

- Editorial board and peer review policies and process
- Article submission procedure
- Peer review process
- Revision and resubmission
- Time span for publication
- Archival of publication
- Accessibility

Day 2: 8th August 2020

Forenoon session on "A Few Tips on Scientific Writing Skills: Do's and Dont's" was handled by Dr. Ramesh L. Gardas, Professor, Department of Chemistry, Indian Institute of Technology Madras, Tamil Nadu. The presentation was focused on how to start writing a research proposal and research paper, challenges faced by the researchers during submission and how to find a suitable journal. In addition to that, details about google scholar, Scopus and web of science, Microsoft academia, research gate and orchid database were explained with live demonstration in their respective websites. During this session, the participants got many tips for writing a truly terrible journal article.

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Online Workshop Jyothi Engineering College, Thrissur

A Few Tips on Scientific Writing Skills: Do's & Don'ts

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9884996125

08 Aug 2020

Afternoon session on "Basics of Patent Drafting" was handled by Dr. Sreedha P, Former KIRAN IPR Fellow at KSCSTE. The presentation was focused on patent search, patent drafting procedures including provisional and complete filing, various types of forms used in patent filing, claims, examination procedure, etc.

HOW DIFFERENT IS A PATENT DOCUMENT FROM A SCIENTIFIC PUBLICATION?

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Sunny

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Webinar on Intellectual property Rights in Research: Knowing the Basics



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Webinar on

INTELLECTUAL PROPERTY RIGHTS IN RESEARCH: KNOWING THE BASICS

Organised By

DEPARTMENT OF MECHANICAL ENGINEERING

In association with



17th JUNE 2020
02:30PM - 03:30PM



Dr. SREEDA P
WOMEN SCIENTIST (KIRAN IPR)
PATENT INFORMATION CENTRE
KSCSTE, KERALA



For Registration: shorturl.at/JPR05

FOR MORE DETAILS CONTACT

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Associate Professor
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Programme Report

Department of Mechanical Engineering completed the first webinar on "Intellectual Property Rights in Research: Knowing the Basics" in association with ISTE-JECC Chapter on June 17, 2020.

The chief guest for the webinar was Dr. Sreedha P, Women Scientist (KIRAN-IPR), Patent Information Center, KSCSTE, Kerala.

The program was started exactly at 2.30 pm with the welcome address given by Dr. Biju P.L., HoD-ME followed by resource person introduction by Dr. B. Deepanraj. Dr. Sreedha started the session at 2.35 pm and described a lot of details about intellectual property rights including patent and copyright. The talk was really helpful for the faculty and students in various ways. Moreover, the lecture was interactive so that participants are able to clear their doubts. The program completed at 3.45 pm with the vote of thanks delivered by Mr. Cijil B. John.

Details of the participants registered for the webinar are given below.

Total No. of participants registered: 260

Total No. of participants attended: 169

No. of participants attended from Jyothi: 104

No. of participants attended from other colleges: 65

Total No. of institutes participated: 56 (including Jyothi)

No. of states covered: 4 (Kerala, Tamil Nadu, Andhra Pradesh and Telangana)


No. of International participants: 2

The entire program was recorded and the copy is attached herewith.

Thank you

Dr. Deepanraj B

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Innovative approach for effective implementation of student project and its documentation

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Website: www.jecc.ac.in

Registration Fee : 600 /-

Who can apply:
Faculty members of Jyothi Engineering College/ Other Professional Colleges/ Professionals from industries.

Last Date for Registration:
16-01-2019 04:00 PM

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Resource Persons

Eminent faculty from various institutions in the state

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Manager, JECC

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Rev. Fr. Joju Chiriyankandath,
Asst. Manager (F), JECC

ADVISORY COMMITTEE

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Principal, JECC

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Faculty Development Program

on
Innovative approach for effective implementation of student project and its documentation

Sponsored By **ISTE**

17th to 21st Jan 2019



Organized By

Civil & CSE Department



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FDP ON INNOVATIVE APPROACH FOR EFFECTIVE IMPLEMENTATION OF STUDENT PROJECT AND ITS DOCUMENTATION

(17th – 21st January 2019)

Department of CIVIL and CSE

Jyothi Engineering College, Cheruthuruthy

Objectives:

- To inculcate basics of project implementation with due regard to formulation of project objective and observation of its fulfilment.
- To familiarize the fundamental parameters of project report there is abstract, chapters, conclusion, literature, reference and etc
- To familiarize international formats for project documentation like modern language association (MLA), APA (American Psychological Association), etc.
- To impart increase readability of participate.
- To familiarize the method of project report preparation using LATEX program.
- To improve the presentation skill of the participants.

Description: Five FDP on innovative approach for effective implementation of student project and its documentation.

This five-day FDP aims at introducing the various project parameters in accordance with its international formats being followed all-over the world which ultimately improves the effectiveness of the work in respect of its scientific orientation and readability. This FDP will provide opportunities for getting familiarize with all the methods and formalities being forward elsewhere which will invariably benefit the students. Preparation of project report in LATEX format will also be fully covered during the sessions with practical orientation in computer lab. Faculty development Programme on innovative approach for effective implementation of student project and its documentation was organized by the Department of Civil and Computer science department on 17th, 18th, 19th, 20th and 21st of January 2019. The programme was organized in such a way that it would be beneficial for the Faculty members irrespective of their engineering stream, to start with the research activities. Also the program would be helpful to the research scholars in carrying out the research activities in a systematic way. On 17th the Inaugural ceremony was held. Prof Ratnan P welcomed the dignitaries and other invited guests.

Trichur

Ratnan P
DR. SUNNY JOSEPH KALYANPATTANAKAL
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Rev. Fr. Roy Joseph Vadakkan presided over the function and stressed on the importance of research activities to be undertaken under the Departments. Fr. Dr. Jaison Paul Mularikkal, Principal pointed the various opportunities for conducting research works. 56 faculties from various department of Jyothi engineering college participated in this program. And give positive feedback also.

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[Handwritten signature in green ink]

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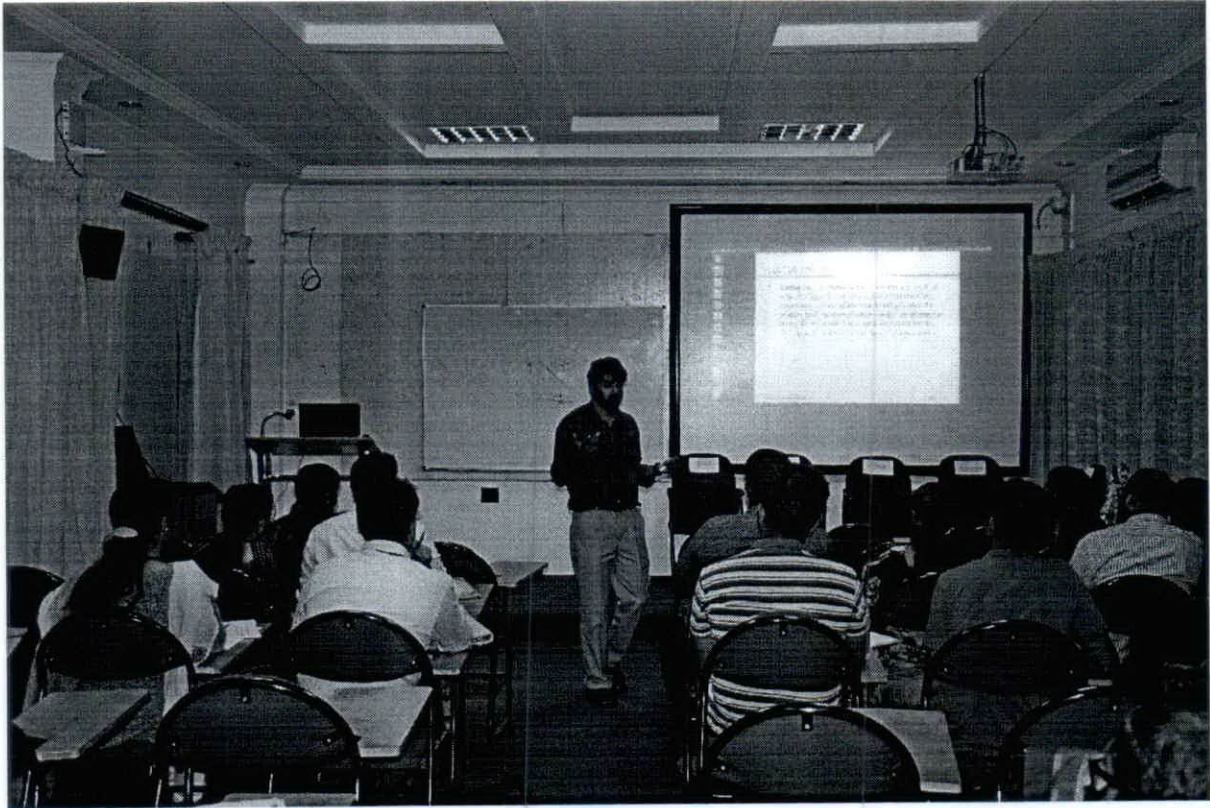
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PHOTO GALLERY



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Workshop on High Performance Computing

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Website: www.jecc.ac.in

Who can apply:
(a) Industry Professionals,
(b) Faculty Members,
(c) Research Scholars

Registration Fee : ₹ 2000/-
Research Scholars : ₹ 1500/-

Accommodation will be provided
with nominal rates

To participate in the workshop,
please register your particulars at
<http://www.jecc.ac.in/hpc>
Last Date (Registration) : 30th Apr 2018

Resource Persons


Rev. Fr. Dr. Jaison Paul Mulerikkal *Principal, JECC*
Experts from CDAC, Pune

CHIEF PATRON
His Grace Mar Andrews Thazath,
Arch Bishop of Archdiocese of Thrissur

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**Five Day
National Workshop on
HIGH
PERFORMANCE
COMPUTING**

7th to 11th
May 2018

Organised by
**C-DAC, Pune &
Jyothi Engineering College**

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National Workshop on High Performance Computing

(7-5-2018 to 11-5-2018)

Department of Computer Science & Engineering

A five day National Workshop on High Performance Computing (HPC) was conducted by the Department of Computer Science & Engineering between 7th May 2018 to 11 May 2018. HOD of CSE, Dr. C K Raju introduced the resource person Fr. Dr. Jaison Paul Mulerikkal, Principal JECC and experts from CDAC Pune to the delegates.

On 7th May 2018, the morning session was on "Introduction to HPC". On the same day, the afternoon session covered the topic "GPU support for Deep learning and Tensor flow". On 8th May 2018, the morning session was on "Overview of HPC and introduction to workshop". In the afternoon, sample programs were given. Programs for the lab sessions according to KTU syllabus were discussed. On the last class eminent personality talks about the "Cluster resource Manager and job scheduler". Moreover, explains the case study- "Image Processing". At the end of the day sample programs were given. There were 13 external participants and 28 faculty members of Jyothi Engineering College Response from the participants were good.



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Report on

Topic : Workshop on

“Innovations in Electronics and Communication Engineering”

By

Dr. Ms. Neethu rose Thomas
AP, ECE, JECC

Date: 3-08-2017

Time: 2:30 PM to 4 PM

Venue: S8 ECE Class Room

Organised By: ISTE and ECSA

The ISTE in Association with Electronics and Communication Students Association (ECSA) conducted a workshop titled “**Innovations in Electronics and Communication Engineering**” on 03-Aug-2017. The Session was handled by **Ms. Neeth Rose Thomas, AP ECE**. 2nd year students of Electronics and Communication Engineering Department attended the programme.

Dr. Jose P Therattil, HOD welcomed the gathering and resource person Ms. Neeth Rose Thomas, AP ECE. She handled the workshop on ‘**Innovations in Electronics and Communication Engineering**’ at 2.30 PM. The workshop came to an end with a Vote of thanks by ECSA student member Ms. Anu Mariya Vincent.

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Photo Gallery:



HoD

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Short Term Training Programme on Research Methodology

(11th – 15th January 2017)

Department of Electrical & Electronics Engineering

Jyothi Engineering College, Cheruthuruthy

Objective: To give the participants a basic understanding of the Research Methodology and their utility. The programme aims at motivating the participants to conduct research activities and to publish their works in reputed journals.

Description: Five days Short Term Training Programme on Research Methodology

Venue: Insight Seminar Hall, JECC

Outcomes:

1. Participants are able to get an understanding of Research Methodology.
2. Participants are able to get an idea of different steps involved in the research process.
3. Participants are able to understand the basic numerical techniques involved in research.
4. Participants are able to use the different statistical tools in the research problem.
5. Participants understand the ethics involved in research works and publication of their works.

Implementation: Conducted sessions handled by a team of experts from various institutes including the IITs and NITs. Four numbers of resource persons from outside institutions and five in house resource persons handled different sessions

A three day Short term training Programme on Research Methodology was organized by the Department of Electrical and Electronics Engineering in association with ISTE JECC Chapter on 11th, 12th, 13th, 14th and 15th of January 2017. The programme was organized in such a way that it would be beneficial for the Faculty members and Post Graduate students, irrespective of their engineering stream, to start with the research activities. Also the program would be helpful to the research scholars in carrying out the research activities in a systematic way.

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On 11th the Inaugural ceremony was held. Prof Ratnan P welcomed the dignitaries and other invited guests. Rev. Fr. Roy Joseph Vadakkan presided over the function and stressed on the importance of research activities to be undertaken under the Departments. Dr K. K. Babu, Principal pointed the various opportunities for conducting research works. Dr. C. Krishna Mohan, Associate Professor, IIT Hyderabad Inaugurated the STTP. Er. Bobby Peter felicitated the gathering. Dr Jarin T delivered the vote of thanks. HODs of other departments and senior professors were present during the function. Dr C. Krishna Mohan delivered the keynote address on the topic 'Overview of Research'. He gave an overview of the research activities. He told that engineering subjects should be analyzed with a different perspective from the UG and PG level.

First half of afternoon session was handled by Dr Balagopal M from BSH Dept of JECC. He detailed the various procedures to be carried out regarding the preparation of technical papers. He gave a brief description regarding the publication procedures. The next half was handled by Dr Jarin T and Mr. Shijoh V. They detailed the criteria for selecting good journals for the publication of works. The session gave idea about indexing, citation and impact factor. Mr Shijoh V pointed the ethics to be followed during research works and publication. Chances of plagiarism and methods to overcome the same were discussed. An online demo of searching SCI indexed journals, its impact factor etc was done.

On 12th morning Dr T D Subash, IEEE Madras Section Photonics Society Chairman addressed the participants. His session focused on literature review process. He gave an outline of the various works involved in process of literature survey. He detailed how to carry out literature review without much burden.

The afternoon session was handled by Dr. Jarin T., Associate Professor, Dept. of EEE, JECC on the topic Preparation of Technical Papers.

On 13th morning Dr. Arunachala Perumal SA Engineering College, Chennai addressed the participants. His session focused on Inviting Grants for Research.

The afternoon session was handled Mr Biju C.V, Asst Professor, Dept of ME, JECC. His session was on numerical modeling and optimization techniques. He gave an introduction to

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optimization with relevant examples. The session was filled with the numerical methods involved in research problems.

The morning session of 14th was handled by Dr C K Raju, HOD CSE Dept. He gave a detailed talk on copy rights and patents. He motivated the students and research scholars for applying/ filing patents by describing the various procedures involved in it.

The afternoon session was on Research Design. Dr Gibin, Asso. Prof. Dept. of ME, JECC on the topic Formulation of Hypothesis.

The morning session of 14th was on Research Design. Dr Sunitha S from NIT Calicut handled the session. The introduction was all about the practices involved in conducting research. Later on she gave an outline of the research design. How to frame research problem, formulate research objective etc were discussed. Then the statistical tools involved in testing the research hypothesis were introduced.

The afternoon session was on Research Methods – Measurement, sampling and Data acquisition. Dr Anitha Jacob, Asso. Professor, Dept. of CE, JECC handled the session. The introduction was all about the practices involved in conducting research. Later on she gave an outline of the research design. How to frame research problem, formulate research objective etc were discussed. Then the statistical tools involved in testing the research hypothesis were introduced. The different statistical terms were clearly mentioned during her talk. Dr Arunachal Perumal C handled the next session in afternoon. The session gave an idea regarding the funding possibilities to research scholars and Faculty. The way of writing research proposals for getting funds from various agencies was dealt with. The different category of funding agencies was introduced and viability of getting funds from them was discussed.

In valedictory session Mr Shijoh V expressed gratitude to the management, Principal, resource persons, and participants. Participants were given chance to deliver feedback on various sessions. Certificates were distributed to all the participants.

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FDP on Performance based work ethic

15-06-16 (Wednesday)

09:30 - 12:30 IST Goal Setting - Just Do It!
(Includes Team Building Activity)
:Mr. Joseph Joshy
Former Group Manager, Infosys and Corporate Guest
Trainer at Infosys Leadership Institute (ILI)

12:30 - 13:30 IST Lunch

13:30 - 14:00 IST Bamboozle

14:00 - 16:30 IST These are "OUR" Goals -
Voice from Departments
:HODs of respective Depts

17-06-16 (Friday)

09:30 - 12:30 IST Beginning of Simple and
Harmonic Communication
:Dr. Usha Menon

Social Upliftment and Environment Preservation Practi-
tioner, Head, Dept. of English, JECC

12:30 - 13:30 IST Lunch

13:30 - 14:00 IST Pandemonium

14:00 - 16:30 IST Valedictory Function
FDP Summarization
Feedback from Participants
Thanksgiving is the Best Giving
:Administrator, JECC
Certificate & Prize Distribution
Concluding Remarks :Principal, JECC
Voice from Editor's Desk: Asst Manager
(Academics & Administration), JECC
National Anthem

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FACULTY DEVELOPMENT PROGRAMME

on

PERFORMANCE BASED

WORK ETHIC

13th-19th June, 2016

VENUE: DECENNIAL HALL, JECC

16-06-16 (Thursday)

09:30 - 10:30 IST 21st Century Survival Skills
and Lateral Thinking
:PAT @JEC (Training &
Development Cell)

10:30 - 10:45 IST Tea Break

10:45 - 12:30 IST Behind the Scene - Processes
from Administration
:Er. Bobby Peter

Retired Asst. Director, Technical Education Depart-
ment, Govt of Kerala and Asst. Administrator, JECC

12:30 - 13:30 IST Lunch

13:30 - 14:00 IST Mutation & Permutation

14:00 - 15:00 IST Updates from the Finance
Manager's Desk (Includes
Open House)
:Rev. Fr. Joju Chiriyankandath
Treasurer, Trichur Educational Trust and Assistant
Manager (Finance), JECC

15:00 - 15:15 IST Tea/Bio Break

15:15 - 16:30 IST Updates from the Project
Manager's Desk (Includes
Open House)
:Rev. Fr. Jinto Peroppadan
Assistant Manager (Projects),
JECC

18-Jun-16 (SATURDAY)

09:30 - 16:30 IST Work Life Balance - Family
Initiative

19-Jun-16 (SUNDAY)

09:30 - 16:30 IST Team Building Activities -
Outing

**FACULTY DEVELOPMENT
PROGRAMME**

ON PERFORMANCE BASED WORK ETHIC

AN INITIATIVE BY PAT@JEC,
TRAINING & DEVELOPMENT CELL

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A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

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One Week Faculty Development Program (June 13th-19th of 2016)



Founded in 2002 as Jyothi Engineering College, The institute was ranked as fourth best engineering college in the state in recognition of its academic excellence by the directorate of technical education, Trivandrum and received academic excellence award from the university of Calicut in 2013 & in 2014.

The college has since grown by leaps and bounds establishing excellence infrastructure replete with state-of-art laboratories, digital library, smart class rooms, hostels, gyms, auditoria spread over an impeccably clear and green 25 acre campus on way to fulfill the vision of the Catholic Arch diocese of Trichur to make it truly world class

FDP on "Performance based Work Ethic" is an initiative by PAT@JEC, Training & Development Cell. The learning process objectives of this FDP are three-fold namely:

1. Introduce Performance Management System and a culture of setting, meeting and exceeding goals
2. Provide opportunities for "Team Building" within Departments
3. Insights in to "Research & Publication", "Communication", "Latest Technology Trends" and "Teaching Learning Processes for the 21st Century Ecosystem".

Outcomes envisaged are:

1. Goals being set for each and every teaching staff for the next 6 months
2. Performance Management System Awareness
3. Team building within Department
4. Exposure to Research & Publication and there by increased publications from college
5. Enlightenment on "Latest Technology Trends", "Communication" and "Teaching Learning Processes for the 21st Century Ecosystem"

PROGRAMME SCHEDULE

13-06-16 (Monday)

- 09:30 - 10:00 IST : Inaugural Function
Prayer
Welcome Address : Rev. Fr. Roy Vadakkan, Secretary, Trichur Educational Trust and Asst. Manager (Academics & Administration), JECC
Lightning the Lamp - By Chief Guest : MSGR. Rev. Fr. Thomas Kakkaserry President, Trichur Educational Trust and Manager, Jyothi Engineering College
Chief Guest Address : MSGR. Rev. Fr. Thomas Kakkaserry
10:00 - 10:45 IST Vision and Action for Academic Year 2016-17 : Dr. K.K. Babu, Principal, JECC

- 10:45 - 11:00 IST Tea Break
11:00 - 12:30 IST QWL - Quality of Work Life : Rev. Fr. Roy Vadakkan
HR Management Practitioner, Former Asst. Director of Jubilee Mission Group of Institutions and Assistant Manager (Academics & Administration), JECC
12:30 - 13:30 IST Lunch
13:30 - 14:00 IST Razzmatazz
14:00 - 16:30 IST Engineering Education - Why Performance Management System ? : Prof. Joshy, Director Startups & Placements, JECC

14-06-16 (Tuesday)

- 09:30 - 12:30 IST Role of Research and Publications in a Professional Institution : Dr. M. Balagopalan
Ex MD of Coirfed, Alapuzha, Retired Scientist from Kerala Forest Research Institute and Head, Dept. of Chemistry, JECC
12:30 - 13:30 IST Lunch
13:30 - 14:00 IST E=MC²
14:00 - 14:30 IST Integrating Past & Present about Jyothi : Er. Thomas Mathew
Joint Secretary, Trichur Educational Trust, Retired Executive Engineer, KSEB, and Administrator, JECC
14:30 - 14:40 IST Tea/Bio Break
14:40 - 16:30 IST All About SMART Goals & Performance Measures : Mr. Joseph Joshy
Former Group Manager, Infosys and Corporate Guest Trainer at Infosys Leadership Institute (ILI)

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FDP Report Day one

Faculty Development Programme FDP on "Performance based work ethic" commenced on the 13th until the 17th June 2016. The main objectives of the FDP were:

1. Introduce Performance Management system and a culture of setting, meeting and exceeding goals.
2. Provide opportunities for "Team building" within departments.
3. To gain an insight into "Research and publications", "Communication", "Latest Technology Trend" and teaching learning processes for the 21st century ecosystem.

Day 1: 13-06-2016 (Monday)

The FDP commenced with an invocation prayer by Mrs. Swarthy Wilson from the CSE Department. This was followed by a welcome address by Rev. Fr. Roy Vadakkan, (Asst. Manager Academics and Administration), who emphasized on the mission and the vision of the college. He also inspired us with moments of optimism and happiness and to create value for the students which can make a huge difference in the coming academic year. Dr. K.K. Babu (Principal) reiterated the importance of the academic aims of 2016-17. He stressed the need for being self-driven and that our passion, zeal and the motivation can only lead us down the path to success. As the NBA and NAAC inspection is round the corner, he encouraged the staff to go beyond the call of duty and perform the required duties and obtain a good score in the coming inspections.

Rev. Fr. Thomas Kakkassery (President of TET) inaugurated the programme by lighting the lamp.

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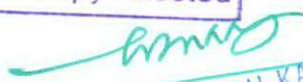
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In his speech he highlighted the responsibilities and characteristics of a good mentor. Teachers played a pivotal role in shaping the nation. He said that the teacher is the yardstick for measuring the aspirations and achievements of the nation. He wished all the faculties to be the real "Jyothi" for the students and the nation at large.

Rev. Fr. Roy Vadakkan followed it up with a lively session for one hour about "Quality of work life". In his speech he revisited the mission and vision of the college and essayed the role of faculty in achieving them. He also reminded that one should enhance their personal lives through their work environment and experiences. He concluded saying that the life is a bundle of strands and that we need to learn to balance the work life with other related issues.

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Lunch was served in the canteen for all the faculties present. Mr. Sooraj Krishnan from the Civil Engineering department serenaded the audience with a lovely song, post lunch session. In order to encourage participation from all the faculty members, Mr. Joshy Joseph (Director for Placement and Assistance) introduced a point based competition. He explained the point system which will conclude with a trophy for the winning team at the end of the entire programme. This triggered a lot of participation and competition from the staff who were divided into groups based on their departments. In the process Mr. Joseph Joshy explained about "Performance Management System" which was deftly done in order to inspire better learning methods amongst teachers and institute a grading system in the college. He also, in his speech outlined some reasons as to why engineering colleges are in a crux and elucidated the rationale surrounding the dearth of quality in the current education system.

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With Mr. Joshy Joseph, giving a brief note on the summary of what was done during the day, the first day sessions were concluded with the Jyothi anthem.

Day 2: 14-06-2016 (Tuesday)

The second day events started with a prayer followed by a three hour long session by Dr. M. Balagopalan (Ex MD of Coirfed, Alapuzha, Retired Scientist from Kerala Forest Research Institute and Head, Dept of Chemistry, JECC). He said a professional life became more complete with paper publications which have to be done on a periodic basis. Publishing papers gives you a feedback from research scholars who read your papers; it establishes you as a member of the research community and also it forces you to clarify your ideas and to fit them in the context of the current state of research in your field.

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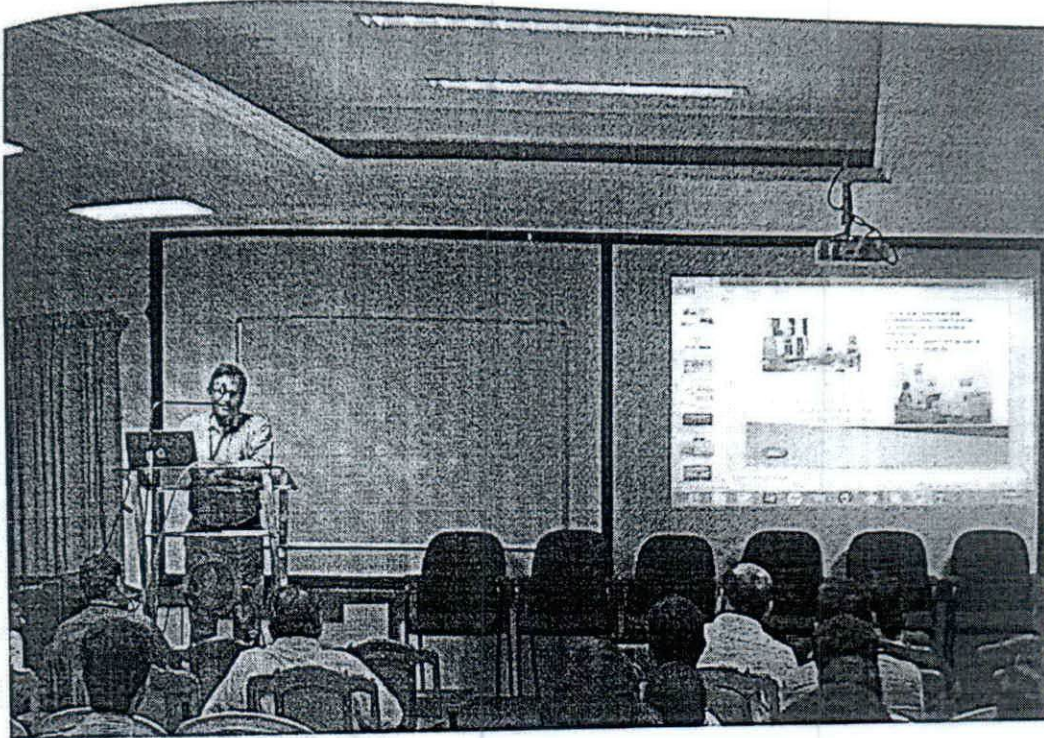
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He lucidly explained the "H" index and the impact factor. Post lunch session was initiated by a melodious song by Mr. Lippin from the ME Department. Mr. Joseph Joshy engaged all the departments in a serious competition with activities unseen before. In order not to lose points for late coming after break times, the members were prompt in returning to their seats. The games were hotly contested which invariably saw a continuous seesaw among the departments' standings.

Er. Thomas Mathew (Joint Secretary, Thrissur and Educational Trust, Retired Executive Engineer, KSEB and Administrator JECC) played a vital role in shaping the history of JECC. A session by him "Integrating Past & Present" outlining the growth and the challenges JECC faced over the years, refreshed our memories. When it was time to move to the final session Mr. Joseph Joshy (Former Group Manager, Infosys and Corporate Guest Trainer at Infosys Leadership Institute (ILI) took over the proceedings with a talk on "SMART" goals and Performance Measures. He said SMART goals bring a structure and ability to track into our goals and objectives. Instead of vague resolutions, it creates verifiable trajectories

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towards a certain objective and its attainability. He complemented it with a few goal activities after the tea break.



After a brief wrap up of the day's events by Mr. Joseph Joshy the curtains were drawn for the day concluding with the Jyothi anthem.

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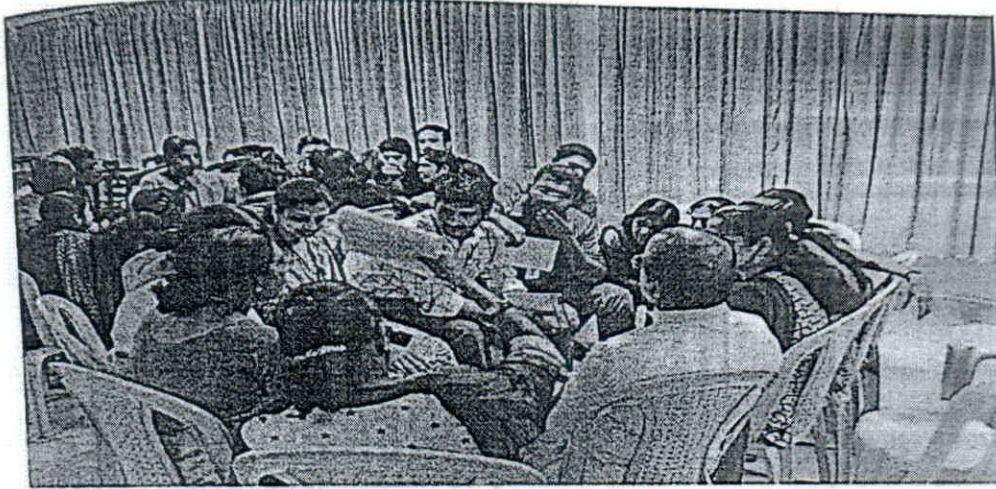
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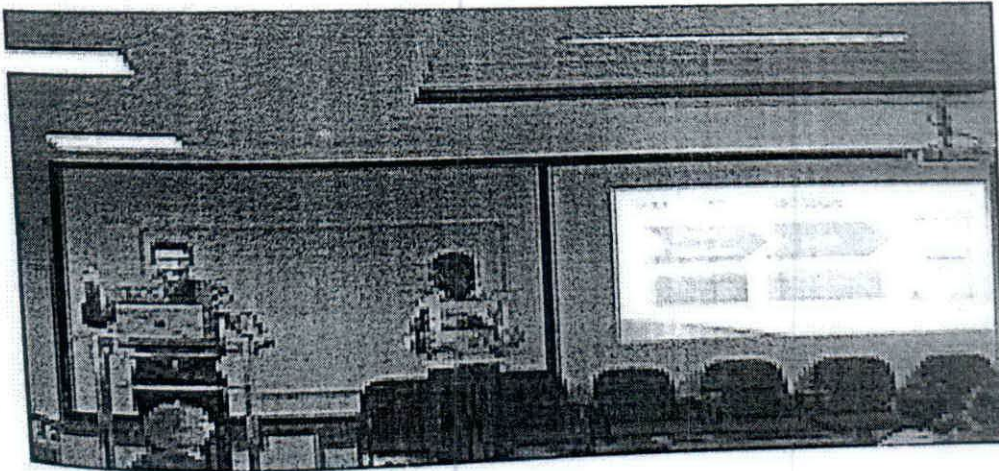
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Day 3: 15-06-2016 (Wednesday)

The third day commenced with a prayer and all the departments were divided into groups.



The groups set their objectives and a representative from each of the departments announced their objectives and goals.




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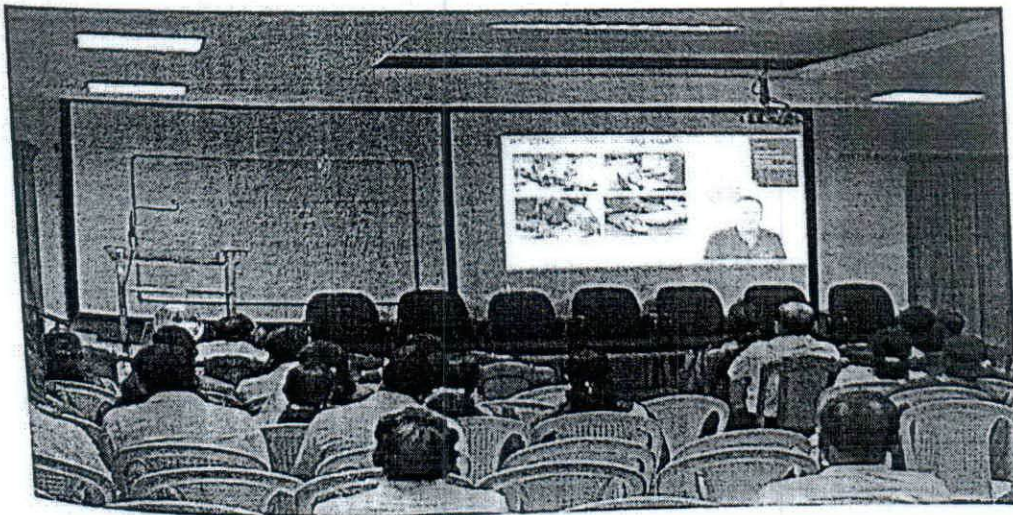


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Mr. Joseph Joshy hinted at the setting of objectives to be SMART (Specific, Measurable, Attainable, Realistic and Time Bound) the objectives and goals for the following year were also listed out by the departments in conjunction with what was advised. Mr. Joshy also said that becoming an excellent college teacher is a continuing life-long professional challenge, the results of which are certain. Senior faculty should assume a responsibility to develop additions and modifications to the best practices list and actively transmit those practices to the new faculties. After the lunch session, the HOD's of the respective departments charted out their objectives and goals in tandem with the SMART criteria. The third day concluded with the Jyothi anthem and the faculties dispersed.

Day 4: 16-06-2016 (Thursday)

Shortly after the prayer Mr. Joseph Joshy (Former Group Manager, Infosys and Corporate Trainer at Infosys Leadership Institute (ILI) spoke at length on the Twenty first Century Education System. He said it embodies an approach to teaching that combines content to skill. Without skills students are left to memorize facts.



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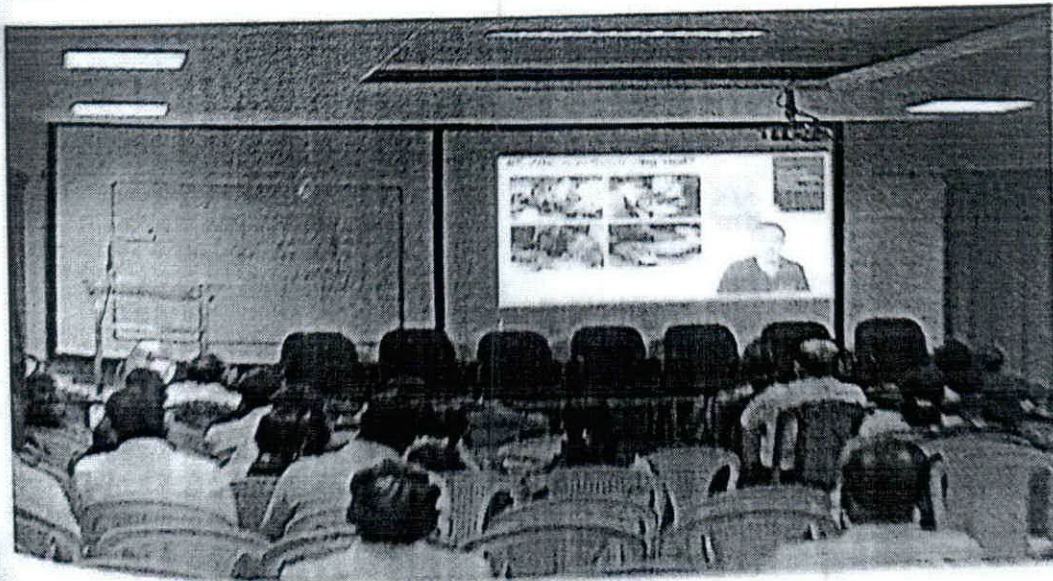


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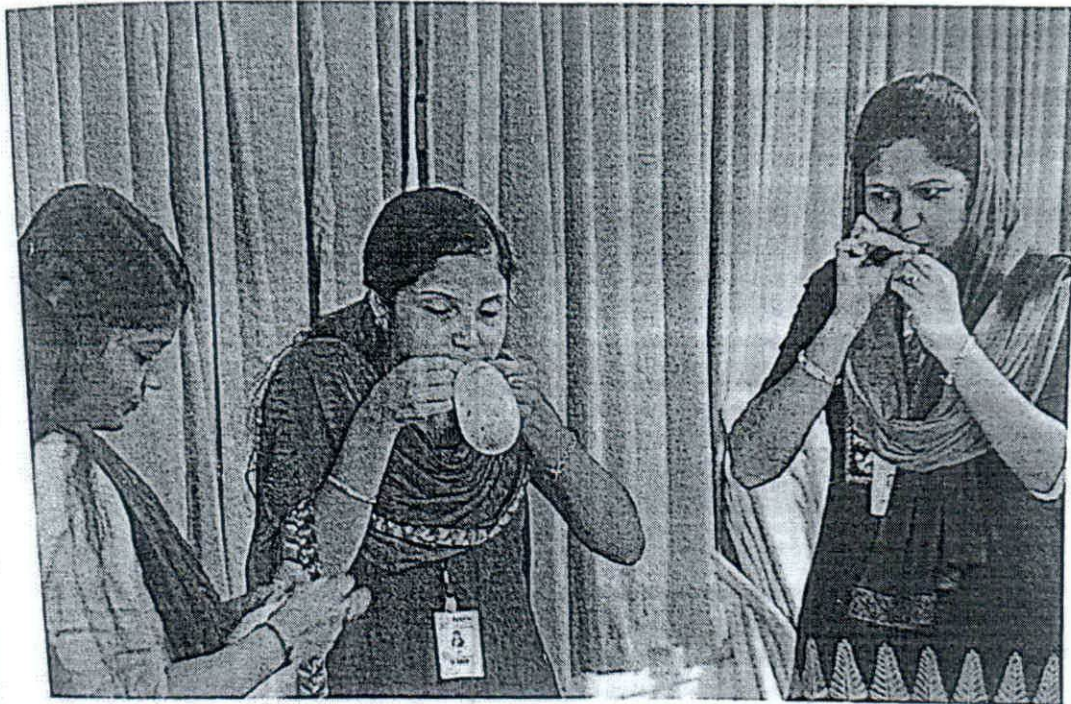
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The students need to engage in problem solving or team working experiences and that's what this new paradigm shift offers. The focus was shifted to a game which involved team building skills. All the faculties were divided into groups of ten members. They were given some building materials in the form of balloons and balls etc.



The teams were required to build a lengthy structure and whoever makes the lengthiest structure and manages to place a ball on top wins the prize. The mechanical department won with ease displaying a commendable team effort and ability.

The next session was handled by Mr. Bobby Peter (Retd. Asst. Director, Technical Education Department, Govt of Kerala and Asst. Administrator, JECC).

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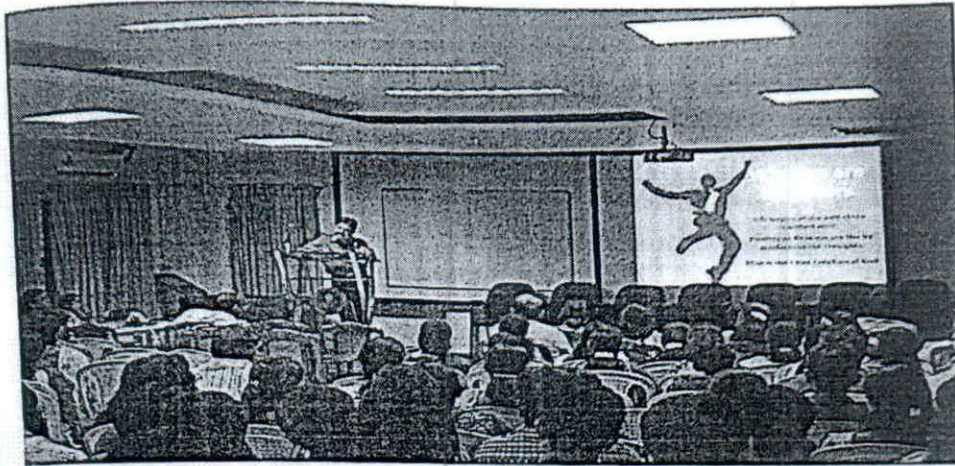
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He pinpointed the scenes behind the administration aspect with hilarious instances of his experiences with JECC. His talk made many split into peals of laughter. The session immediately after post lunch was presented by Rev, Fr. Joju Chiriyankandath (Treasurer, Trichur Educational trust and Assistant Manager (Finance), JECC. This was followed by a session with Rev. Fr. Jinto Pereppadan (Assistant Manager (Projects) JECC who gave a brief speech on the projects ahead of us in the near future. The day concluded with the Jyothi anthem.

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Day 5 17-06-2016 (Friday)

After the customary prayer, the day started with a note on the importance of communication by Mr. Joseph Joshy. Proper communication is the key to good relationship. This was elucidated by Dr. Usha Menon (Social Upliftment and Environment Preservation Practitioner, Head, Dept of English, JECC) through "Beginning of simple and harmonic communication". She explained the processes of an effective communication explaining briefly the grammar sections quite lucidly.



The Basic Science & Humanities group displayed some culinary skills with cutting and cooking methods to which the audiences were in awe. The fitting finale of the session was a mouthwatering snack and a dessert made by the faculties themselves. The rest of the faculties were taken by surprise and were in for a lip smacking treat.

The post lunch session was organized paying a special tribute to Mr. K.T. Joseph, who served more than fourteen years with JECC as the project engineer. He gave

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a memorable speech and was felicitated with a gift by the Principal, Administrator, Asst. Administrator and all the Assistant managers.



The concluding session began with the Valedictory function, an FDP visual summarization. Video clips from all the days gave us an opportunity to reminisce the last few days and brought many a smile on the face of the audience. The filled in feedback forms were collected by the PAT department. Asst. Administrator Mr. Bobby Peter delivered the vote of thanks.

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The valedictory function was concluded by words from the Principal and the Editor. The grand finale for the entire week came to a salutary end with the national anthem.

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FDP on how to write a research paper



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COsa

FDP On

How To Write A Research Paper

10/11/2016

@ 09.15 am Venue: Insight Hall

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Dr. Balagopal, Dr. C K Raju, Dr. Usha Menon
& Dr. V P Mohan Das

Dr. SUNNY JOSEPH
M.Tech MCA, M.Sc. E. E.
Ph.D (Computer Science), Ph.D (Industry)

Conducted By

Computer Engineering Students Association & R&D Cell



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FDP: How to Write a Research Paper

Report

The Computer Engineering Students Association (CESA) and R & D Cell of Jyothi Engineering college jointly organized a one day FDP on "How to Write a Research Paper". The program was on 10/11/2016 in the Insight hall. The program included 3 sessions – Structure of the paper, Language and Plagiarism by Dr. Usha Menon, Research – a stray thoughts by Dr. V P Mohandas and Intellectual Property rights by Dr. C K Raju. There were 62 participants (31 PG students and 31 Faculty members). The participants got an idea about the selection of research area, the preparation of the thesis paper and about intellectual property rights.

CONTRIBUTION OF COURSE OUTCOMES TOWARDS POs, PEOs AND V/M

Topics

1. Structure of the paper and Language and Plagiarism
2. Research – a stray thoughts
3. Intellectual Property rights

| Topic | PO'S | | | | | | | | | | |
|-------|------|---|---|---|---|---|---|---|---|---|---|
| | a | b | c | d | e | f | g | h | i | j | k |
| 1 | L | H | | | | M | H | | | M | |
| 2 | L | L | H | | | M | | M | | M | |
| 3 | | | | | | H | | H | | H | |

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L-Low correlation, M- Medium correlation, High correlation

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| Topics | PO mapping | PEO mapping | Mapping with key components of department mission | Mapping with key components of Institute mission |
|--------|------------------|-------------|---|---|
| 1 | a, b, f, g, j | I, II, III | Technical Competency, Ethical values and social consciousness, desire to excel, Innovativeness, Higher Education and Research | Excel as global standard, Global education, Career oriented learning, Ethical values and social initiatives, Technology based participation |
| 2 | a, b, c, f, h, j | I, II, III | | |
| 3 | f, h, j | I, II, III | | |

PO – PEO Mapping:

| Programme Outcome (POs) | Programme Educational Objectives (PEOs) | | | Justification |
|-------------------------|---|---|---|---|
| | 1 | 2 | 3 | |
| a | ✓ | ✓ | | Students will have the ability to apply knowledge of mathematics, science, and engineering, and to apply the knowledge to practice or to do research. |
| b | ✓ | ✓ | | Students will have the ability to design systems for successful career in industry, and to design and conduct experiments to provide valid conclusions |
| c | ✓ | ✓ | | Students will have the ability to design systems to meet the needs within realistic constraints, |
| d | ✓ | ✓ | ✓ | Students can become a member or leader in diverse technical teams, multidisciplinary environments, and communicate effectively. |
| e | ✓ | ✓ | | Students can apply knowledge to identify, formulate and solve engineering problems |
| f | ✓ | ✓ | ✓ | Students will have a good knowledge about professional ethics which is required for successful career in industry, can understand and commit to professional ethics and responsibilities, and can communicate effectively in groups by considering human value. |
| g | | ✓ | ✓ | Students can communicate effectively to work in multidisciplinary teams, to do research and entrepreneurship. |
| h | ✓ | ✓ | | Knowledge of mathematics, science and engineering provides the ability to understand impact of engineering/ technology solutions in |

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| Key Components of Department Mission | Excell as global standard | Global education | Career oriented learning | Ethical values and social initiatives | Technology based participation and entrepreneurship | Justification |
|--|---------------------------|------------------|--------------------------|---------------------------------------|---|--|
| Technical Competency | ✓ | ✓ | ✓ | | | Excelling in global standard in technical education enable student in employability, innovation ideas, technology participants |
| Leadership | | ✓ | | | ✓ | Quality education leads to leadership and technical competency leads to employment. |
| Ethical values and social consciousness | ✓ | ✓ | ✓ | ✓ | | Career oriented learning gives him technical competency employable has innovative ideas. |
| Employability and desire to excel | | | ✓ | | ✓ | The students is expected have ethical values and social consciousness |
| Innovativeness and Entrepreneurial Orientation | ✓ | | | | ✓ | Research and higher education would keep him updated in technology, participation and Entrepreneurship |
| Higher Education and Research | ✓ | | | | | Excelling in global standard in technical education enable student in employability, innovation ideas, technology participants |

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Report

Workshop for “GATE Aspirants”

Date: 7-01-2016 & 14-01-2016

Time: 9 AM to 4 PM

Venue: DECENNIAL HALL

Resource Person: Prof. Jomy PL

Department of electronics and communication engineering organised two days workshop for Gate Aspirants. The workshop was intended for final year S8 students of all branches. The objective of the event is to guide and support the students to get good score in Gate test.


About the resource person: Prof. Jomy PL is an educator, career expert, Math enthusiast and quizzier. He has authored books on Mathematics and Higher Education. Jomy has conducted hundreds of sessions for students, teachers and parents, on various topics which include Mathematics, Career planning, History of Mathematics and Art of Problem solving. He is Founder cum Director of SENSORIUM Centre for Advanced Learning and Chief Mentor at IMS Learning Centre, Thrissur.

The workshop was very impressive and useful to the final year students. Because of the demands of students we arranged one more session to the students on 14-01-2016.

HoD

ECE

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Workshop for " Gate Aspirants"

To
The Project Officer
Jyothi Engineering College
Cheruthuruthy

12/01/2016
Cheruthuruthy

Dear Sir,


Our college is organizing a workshop for GATE aspirants for selected final year students of all branches on 14th January 2016. So I kindly request you to allow us to conduct the program in our decennial hall. I also request you to provide the following items

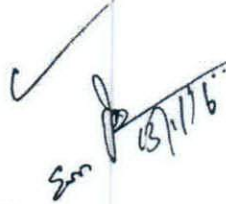
- (1) Seating arrangement for 100 students,
- (2) sound system
- (3) chord less mica
- (4) Choler mica

Thanking you


Yours faithfully


Dr. Jose P. Cheruthil
ECE HOD


PM/Rajesh
A-Su
13/1/16


Sun
13/1/16

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Topic : Talk on

“ Quality work life and the need of the day”

By

Fr. Roy Joseph Vadakkan,
Asst. professor and PRO, JECC

Date: 12-10-2015

Time: 2 PM to 4 PM

Venue: ECE Seminar Hall

The talk organised by ECSA in association with ISTE student chapter. The programme started with a silent prayer. Hod Dr. Jose P Therattil welcomed the participants and chief guest Fr. Roy Joseph Vadakkan.

The speaker started the talk by welcoming all for the session. He has given a detailed discussion on 1. Introduction to Quality of Work Life (QWL) 2. Nature and Scope of Quality of Work Life 3. Importance 4. Problems in Improving the QWL.

The session was usefull gave more insights on QWL for students and teachers.

Photo Gallery:



HOD

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Principal



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Topic : Talk on

“ The role of Scientist in Nation Building”

By

Dr. M. Balagopalan

Research Director(Rtd), KFRI, Peechi

Date: 21-07-2015

Time: 2 PM to 4 PM

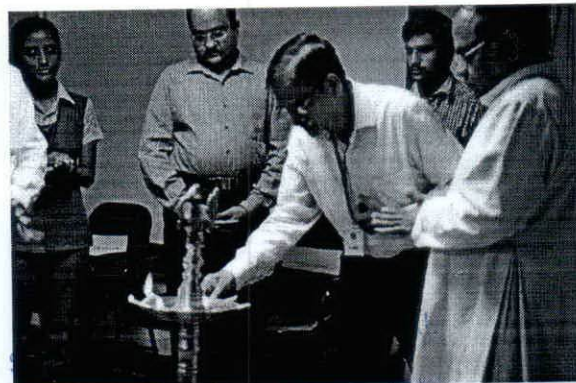
Venue: S7 ECE Class

Organised By: ISTE and ECSA

The ISTE in Association with Electronics and Communication Students Association(ECSA) conducted a talk entitled “The role of Scientist in Nation Building” on 21st July 2015. The Session was handled by **Mr. M. Balagopalan**, Research Director (Rtd), KFRI, Peechi. 4th year, 3rd year and 2nd year students of Electronics and Communication Engineering Department attended the talk. Prior to the talk the Inauguration ceremony of ECSA association is held with the presents of HOD Dr. Jose P Therattil, and all the department staff and students.

Dr. Jose P Therattil, HOD welcomed the gathering and resource person Dr. M Balagopalan delivered a presentation on the topic “The role of Scientist in Nation Building” at 2.30 PM. The presentation followed with an interactive session with the resource person. The Talk came to an end with a Vote of thanks by ECSA faculty incharge Mr. Jinesh KJ.

Photo Gallery:





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