National Programme on Technology Enhanced Learning is a joint initiative of the IITs and IISc. Through this initiative, we offer online courses and certification in various topics. A proposal was jointly put forward by five IITs (Bombay, Delhi, Kanpur, Kharagpur and Madras) and IISc for creating contents for 100 courses as web based supplements and 100 complete video courses, for forty hours of duration per course. Web supplements were expected to cover materials that could be delivered in approximately forty hours. Five engineering branches (Civil, Computer Science, Electrical, Electronics and Communication and Mechanical) and core science programmes that all engineering students are required to take in their undergraduate engineering programme in India were chosen initially. Contents for the above courses were based on the model curriculum suggested by All India Council for Technical Education (AICTE) and the syllabi of major affiliating Universities in India.

From our college around 18 students and from our department 2 faculties have enrolled in the exam.
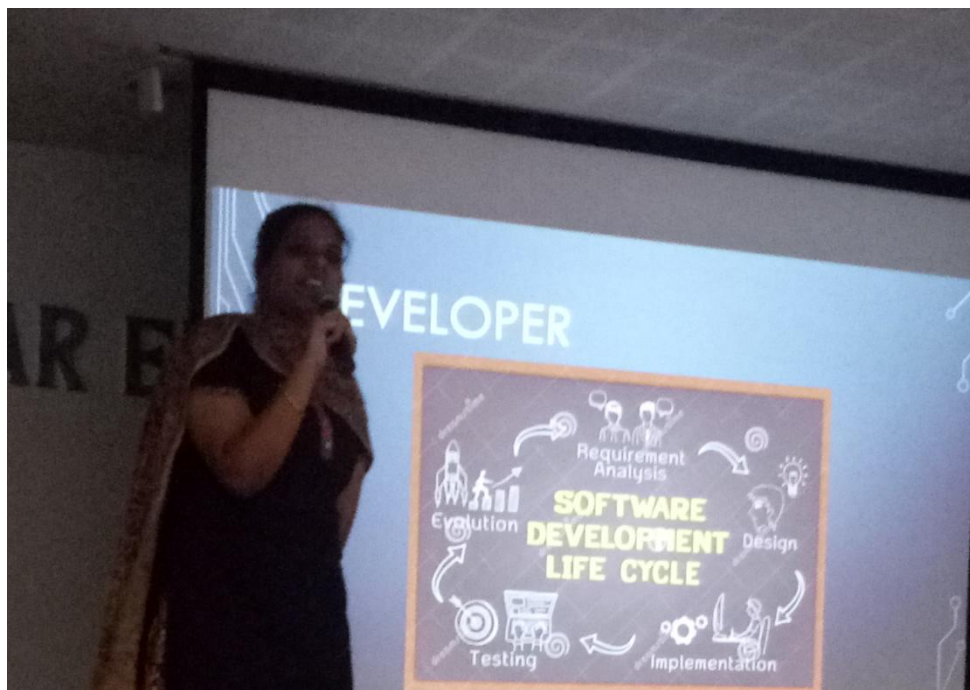
Departments enrolled:
- Information Technology
- Biotechnology
- Electronics and Communication
- Computer Science

Date of Exam: 23.04.2017

Guest Lecture by Ms ALAGU BHARATHI on NETWORKING

The guest lecture of Ms Alagu Bharathi was organized on 7th March, 2017. Ms Alagu Bharathi briefed about the companies nature of business, its presences in various parts of the country and its product line. She also explained the philosophy of the company. While addressing the budding engineers, she emphasized on the fact that instead of looking towards the salary package one should focus on learning and contributing towards the company's goal. Students found the session very interactive and enlightening for their career path.

"ICONSTEM 2017" – COMPACT DISC (Challenges On Making Premises Agile using Converging Technologies)

The Third International Conference on Science Technology Engineering Management (JEPPIAAR – ICONSTEM'17) on 23rd & 24th March, 2017 is organized by the **Departments of CSE, IT and MATHEMATICS**. The main aim of the conference is to bring together leading academic scientists, researchers and research scholars, academicians to impart their findings in Converging Technologies and Innovation in creating smart cities. It also provides a forum for interdisciplinary research findings too. The conference kit includes tutorials, key note address, paper presentations and posters. It extends emerging trends around ecological design and development towards various planning opportunities, thereby fostering connection, community and d sustainability in the context of Digital India & Smart Cities (DISC). Participants came from distant places and presented papers and posters. Students worked sincerely towards making the conference a memorable one and also registered in large numbers. The reviewers of the papers maintained exacting standards. The conference was sponsored by IEEE.

4 Days Faculty Training Programme on E-BOX

E-Box is a Technology Enabled Active Learning and Assessment platform for technology and engineering domains.Apart from the basic LMS components like quizzes, assignments, lesson components, resource components etc, it has numerous activity components pertaining to technology and engineering concepts that could be used for design and analysis oriented learning. These components are also used for assessing the design and analysis skills of candidates, apart from the regular knowledge level testing.

E-BOX FEATURE HIGHLIGHTS

Solid LMS - with Dynamic Scheduling.Supports multiple content formats. SCORM compliance
Auto evaluation of hands-on exercises at multiple levels.
Knowledge harvesting component that auto generates 1000's of exercises.
Randomized Assessment Paper generator, with option to avoid repetitive questions in case of multiple assessments for same audience.
Multi-pronged plagiarism check.Transparency and Audit Trail captures code at any chosen interval.
Remote User Authentication / Proctoring
Online Tutoring of remote learners and 2-way streaming of live video and audio.
Query / Feedback / Chat window for SME mentoring and peer to peer learning.
Configurable Trainee and Trainer Feedback mechanism.
Configurable Ranking Mechanism that facilitates Competitive Learning.
Configurable Constraint definer for focused Learning / Assessment Sessions.
2-ways data sharing with existing HR / Learning system - Single sign-on options.
Supports Numerous Console / Web / Mobile Based Languages and DBMS Products.
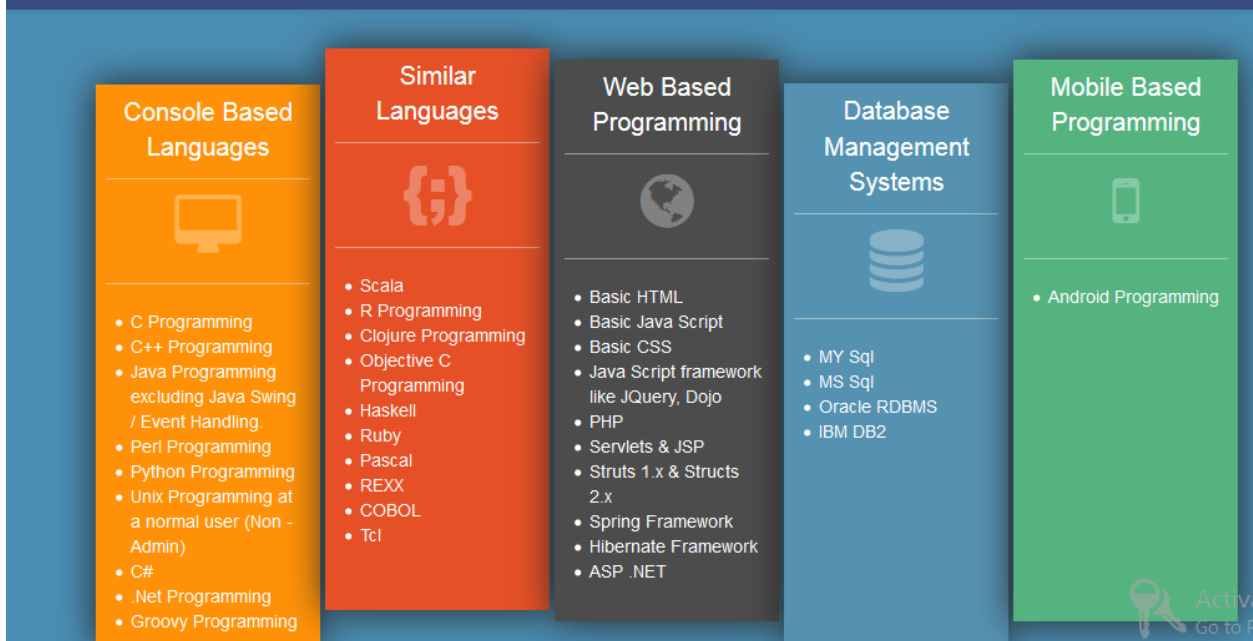Numerous Report / Visualisations.

Dashboard for learners, indicating completion status vis-a-vis milestone and peers performance.
Facilitates implementation of evidence based learning - Continuous evaluation.
Highly configurable / customisable platform - not a one-size fit-all model like other products.

GENERAL USES OF E-BOX FOR LEARNING AREAS

Pre-onboard Training
[for campus / off campus hires]

Training Effectiveness Measurement.
[Post training assessment and skill mapping]

Onboard Training

E-Box

Performance Improvement Program for Under Performers
Technical Benchmarking of Trainers.

Talent Nurturing Programs by Corporate in Colleges

Continuous Learning - Compentency Development Programs Stream Specific Learning / Assessments.

TECHNOLOGIES / PROGRAMMING LANGUAGES CURRENTLY SUPPORTED FOR AUTO EVALUATION

Console Based Languages

- C Programming
- C++ Programming
- Java Programming excluding Java Swing / Event Handling.
- Perl Programming
- Python Programming
- Unix Programming at a normal user (Non - Admin)
- C#
- .Net Programming
- Groovy Programming

Similar Languages

- Scala
- R Programming
- Clojure Programming
- Objective C Programming
- Haskell
- Ruby
- Pascal
- REXX
- COBOL
- Tcl

Web Based Programming

- Basic HTML
- Basic Java Script
- Basic CSS
- Java Script framework like JQuery, Dojo
- PHP
- Servlets & JSP
- Struts 1.x & Structs 2.x
- Spring Framework
- Hibernate Framework
- ASP .NET

Database Management Systems

- MY Sql
- MS Sql
- Oracle RDBMS
- IBM DB2

Mobile Based Programming

- Android Programming

"FUTURISTIC APPROACHES OF NANOSCIENCE AND ROBOTICS IN SCIENCE AND TECHNOLOGY" - FANRST 2K17

Nanotechnology and Robotics is the growing branch in the field of Science and Technology. Robotics details with the design, construction, operation, structural disposition, manufacture and application of robots in various discipline of engineering. The influence of size on these structures plays a vital role in the areas of application. The size effect is an important parameter of consideration for various computing and analyzing techniques of physical phenomena. The world of nanotechnology provides an exciting challenges and opportunities in miniaturizing the devices. The main objectives of this programme is to emphasize the significance in materials development to understand its incredible impact to make wide variety of products of superior strength, light weight with high precision, productive and durability to meet the application in various field like Nano medicine, Bio medical engineering, Photonics, Electronics, Energy, Aeronautics, Structural designing and electro – Mechanical system.

The FDP is organized to focus the challenges and issues in view to create a research ambience among the faculty members in the upcoming technologies towards the development of nano devices and nano robotics to meet the industrial requirements. This program will nuture the faculties to meet the demands of future technologies and inculcate the research attitude in the minds of students' community.

The event was graced by the presence of our chief guest Dr P. V. Manivanan, Professor, Mechanical Engineering, IITM, Chennai, and our beloved principal Dr J Venu Gopala Krishnan, HODs and faculty from various departments.

Six Days Faculty Development Programme

on

'Instructional Design and Delivery system'

Associated with NITTTR, Chennai

Department of Information Technology organized a 6 days FTDP on 'Instructional Design and Delivery system' in collaboration with the "NITTTR" in the college premises from 17.4.17 to 22.4.17. Faculty less than 3 years experience from all the branches participated in this workshop.

This training program is mandatory under TEQIP 1.2 and was organized by the Nodal Committee of Training & Research, TEQIP 1.2, JEC, Chennai with NITTTR, Chennai as the training provider. As per TEQIP guideline every faculty member of the Institute has to undergo a one week program of activities prepared by MHRD, Govt. of India. Consequently faculty members were 50 in a group were benefitted by this training. In each of the training schedule, following topics were highlighted, Engineering pedagogy: Quality in Learning-Teaching System; learning in 21st century, Personal & professional attributes of teachers viz. Competency requirements for teaching Engineering Students, Classroom Motivation, Classroom Communication and Presentation Skill, Educational Media, Preparation of Course Plan and Lesson Plan viz. Analyzing Course Content, Why to Learn / Teach, Development of Lesson Plan, Team building for Learning, Laboratory and Workshop Planning. In the last two sessions of each program, each participant were given a set of activities as assignment and every member has to present the same in front of the panel of experts from NITTTR, Kolkata. In the entire program, on each date four experts from NITTTR, Chennai enriched the participants with their expertise and knowledge, the list includes Prof. Rathy, Prof. Sivasankar, Prof. Rajendran, Prof. Nagendra Rao, Prof. Felix Arokia Raj, Prof. Maliga, Prof. Dhanapal, Prof. Giridharan, Prof. Gnana Sambandham. The valedictory program included certificate presentation from NITTTR, Chennai and JEC (programme organized under TEQIP) as well feedback session.

During inauguration our chief guest Dr. Panda, Director, NITTTR, threw some light on the basic ideas of the Teaching and our beloved principal Dr J Venu Gopala Krishnan, HODs and faculty from various departments were present. The workshop was organized by Mr. T Saravanan, Dr V Anbarasu and Mr.Venkatesh.

LECTURE ON

HOW TO PRESENT A PAPER?

The seminar was conducted by the Dr Mohan and Mr Vijairaman of IT department for the second year students to help them prepare for future academic events and to represent the knowledge that they have gained in a much more proper format.

The lecture was conducted in the laboratory of the department. The staff also played roles in helping the students.

UNIX

Adithya Pothan Raj V, a reputed IT professional with 5 years of experience in Service Improvement Planning and Unix, Linux Management.

Holding numerous academic records, his knowledge on the subject was very rich and informative. Some of the notable awards that he has recieved includes publishing numerous papers on IEEE magazines and various other journals.

DATA MINING

Jaya Anath has worked senior software engineer working for HCL and is now an IT analyst for TCS. He has dealth with many technologies such as Dot Net, Informatica Power Centre, Informatica Cloud, Oracle, Unix and Veeva (Sales Force). He was awarded with the Live Wire award in 2012 and has consecutively won various prizes as well.

His session was helpful and persuasive to people for pursuing a career in the field of Data Mining.

TUNE IT: FOOD BOARD LAUNCH

Food is the essential need for all living organisms. At present there is a lot of food wastage. To notify these things to others, we decided to create an awareness on food wastage under "TUNEIT" association.

The launch of TUNE IT food awareness board was held on 23th February of 2017 at mess hall at 10 am, in the presence of our Managing Director Dr.M.Regeena Jeppiaar along with our principal Dr. J.Venugopalakrishnan and our ever supporting H.O.D Dr.R.Sabitha and honourable other Head of departments of our college.

All the members of Tune IT were present at the mess hall. The board was launched with the welcome address given by Dr.Anburasu ,the founder of Tuneit . Our Director Dr.M.Regeena Jeppiaar launched the TUNE IT board followed by the upload of video in social media. The video consists of the message regarding food wastage.

The board shows the amount of food wasted every week. If these foods are not wasted it would be served for poverty. It should be updated once a week. The graph represents the amount of food wasted in corresponding months. The launch has come to an end with the sharing of video in social media.

ELIMINATE
FOOD WASTE

WORKSHOP
ON INFOSECURITY

As one of overlooked fields in computer network technology, our guest wanted to impart the gathering on the importance of the field. Shriya Raviprasad was the person overseeing the workshop.

Shriya Raviprasad is a Senior Operations Professional working in IBM. She has been awarded with many prizes for her achievement in various projects in the field of Information Security. In addition she is also very atheltic and creative as seen by her accomplishments in sports and various other contest.

Her speech was very educational to all the students present there. At the end she was awarded the memnto by the staff.

A DAY VISIT TO MAANAAMATHI

On the 5th of March all the students from CSE & IT along with Dr Arokia Renjith Sir, Dr Jesu Jayarin Sir and Dr V Anbarasu sir had been to Maanaamathi. We all met maanaamathi village counselor madam and discussed about various social issues and their needs. Around 50 students were participated in this event. Many students are interested in helping maanaamathi village by creating mobile application and using various latest technologies.

INDUSTRIAL VISIT

Industrial visit is a vital part of the curriculum. It helps to bridge the gap between classroom and the real working world. The visit also provides first-hand knowledge about the organizational structures and modes of operation in different industries.

The objective of this visit was to provide real life exposure to IT students about

knowledge of business systems and their automation by applying it.

With this vision in mind, Industrial Visit was planned by IT department of JEC at Bangalore, Coorg and Mysore from 22 February to 26 February 2017 for III Years and cochin, munnaar from 8th March to 12th March 2017 for IV years and to Jeppiaar Steels on 17th March for II years.

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