

A Report on Quality Enhancement in Engineering Education(QEEE)

Quality Enhancement in Engineering Education(QEEE) program conducted by IIT Madras is a real time and synchronous technology integration of superior external scholastic inputs into current pedagogical practices. One of the important concern area of the program is to deliver well developed content by the IIT faculty to the students of engineering colleges. There are four modules in this program viz. Live Class, Coursepack, Live Labs, Bridge Programs. The details are given below: .

➤ **Live Class:**

IIT faculty deliver live lecture classes to participating colleges. The schedule of lectures are sent to colleges priorly and notifications are provided before start of each session.

➤ **Coursepack:**

A supplement study material with lecture notes, live class videos, discussion forums, assessment and evaluation tools to serve as a reference material for QEEE courses.

➤ **Live Labs:**

To provide virtual hands-on experience to students on experiments undertaken remotely. It creates an opportunity to work on a real lab experiment tailored to suit their syllabus and curriculum.

➤ **Bridge Programs:**

To bridge the gap between the initial skills of individuals and what they need to enter and succeed in postsecondary education and career-path employment.

JIS College of Engineering is taking part as an active participant from the very inception of this program started from 2014(Jan-Apr Session). Students from various departments opt their respective courses under the guidance of Local faculties. The Evaluation components are given below:

➤ **Quiz**

Auto Evaluated Multiple Choice Questions.

➤ **Assignments**

A set of problems which are to be worked out by students and evaluated by the local faculty.

➤ **Proctored Exam**

At the end of the topic, a proctored quiz is conducted. This quiz is auto evaluated comprising of multiple choice and short answer (fill blanks) questions, about 10-20 questions covering the entire topic taught. The results of this quiz are captured and students performance in the topic is assessed.

On successful completion of the evaluation process the students are able to get the certificates issued by IIT Madras which acts as a value addition in their curriculum vitae.

Report of last semester From IIT Madras

The D2S program of QEEE (Quality Enhancement in Engineering Education) strives to raise the bar of engineering education pan India through its intervention in Tier 2 and Tier 3 colleges. The program began in Jan 2014, and has offered about 150 courses over 6 semesters since then. For the success of the program, it is essential that participant colleges are committed to the objectives of the program. Accordingly, we have rated the colleges on 3 parameters - attendance, interaction and performance. Based on the ratings, we have also placed the colleges in one of the following 3 categories.

- Partner- Colleges that are in sync with the IITs on the program objectives
- Committed- Colleges that are complying with the requirement, but have still not been able to integrate the program fully into their college
- Non-Committed- Colleges that acknowledge the usefulness of the program, but are struggling to incorporate it into their college.

Based on data from the latest semester (Aug-Nov 2017), we are happy to announce that your college falls in the "**Partner**" category.

The screenshot shows a web browser window with the URL 115.124.42.241/qeee/pilot/colleges.php. The page header includes the QEEE logo and navigation links: Home, About, Members, News Letter, Documents, FAQ, Contact Us, and Login. The main content area is titled "Best Colleges (Aug - Nov 2017)".

BEST COLLEGES (PARTNERS)	BEST COLLEGES (COMMITTED)
JIS COLLEGE OF ENGINEERING	Amritsar College of Engineering and Technology
JNTUACEP	Aditya Institute of Technology and Management(Aitam) Tekkali
KSRCT	Beant College of Engineering and Technology Gurdaspur
MECMH	B.S.Abdur Rahman Crescent University
Paavai Engineering College	Coimbatore Institute of Technology
R. C. Patel Institute of Technology . Shirpur	Govt. College of Engineering Salem

You can find details about courses under QEEE through the following link.

<https://115.124.42.241/qeee>

Session(Aug-Nov 2017)

The courses conducted from Aug to November 2017 are given below:

Session(Aug to Nov 2017)						
Sl	Course Name	Dept	Local Faculty	# Students enrolled	Certificate Status	Conduction Dates
1	Programming Style-programming and Data Structure	IT/CSE	Madhusmita Mishra & Apurba Paul	61	61 Excelled- 57 Participation- 4	17th Aug, 22nd Aug, 24th Aug 2017
2	Memory and IO-Advanced Computer Architecture	CSE	Madhuchhanda Dasgupta & Sumanta Chatterjee	61	60 Excelled- 59 Participation- 1	31st Aug, 7th Sep, 14th Sep 2017
3	Baseband Communication-Digital Communication Techniques	ECE	Anirban Ghosal	62	46 Excelled- 0 Participation- 46	12th Sep, 13th Sep, 14th Sep 2017
4	Induction Machines: Theory-Electrical Machines	EE	Suparna Pal & Basudeb Dey	63	46 Excelled- 15 Participation- 31	18th Sep, 21st Sep, 22nd Sep 2017
5	OPAMP-Linear Integrated Circuits	EE	Suparna Pal	61	48 Excelled- 0 Participation- 48	25 th Oct, 27 th Oct, 31 st Oct 2017

Some pictures (QEEE 2017 program)

