NEWSLETTER

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Editorial

by Dr.S.A.Pasupathy

Maximise the student learning: A noisy class room approach

There is a widespreadcomplaint from educators that the current generation students are not listening in the class room. This generation kids born with mobile phones and are habituated with fast moving images due to their exposure to games and videos. Naturally, kids with excessive exposure to games and videos will have very little attention time and they expect the faculty members to do some magic in the class rooms. It is unfair to expect the teachers to do magic but on the same time, the teachers have not changed for so many years with their conventional mode of teaching.

The 21st century demands team skills and continuous learning. To cope with this requirement and also to maximise the students learning, it is essential to adopt new scientific methodologies. It can be reattributed as adopting the olden days Gurukul method which is now popularly adopted by western countries as active learning. In the gurukul method, a teacher will modify the curriculum according to the student's capabilities and requirements. In fact, no gurukul had a time bound program and the student leaves the gurukul only after acquiring necessary skills and knowledge. The same concept has been reintroduced as choice based credit system (CBCS) wherein the student has complete control on their studies. Since the curriculum and syllabus is fixed, the teachers have very limited scope in influencing the student. Despite the fact that the CBCS has been introduced by UGC in the year 2015, on the whole the teaching method has not been changed as practiced in gurukul. For this zee generation kids, teachers should focus on how we teach rather than what we teach to maximise their learning. Here, active learning methods which includes but not limited to jig saw, share-pair, flipped mode are very essential to be adopted in their teaching which not only improves students team skills, self learning skills and also interpersonal communication skills. Although the active learning method requires expensive infrastructure, it can be implemented at a low cost pilot scale system until the faculty members are trained with these methodologies.

Flipped mode of learning wherein the students solve problems for the content they learnt on the previous day at their home.

As a start, we have modified our tutorial class rooms as our active learning rooms at no extra investment. Since these rooms accommodate only 30 students, we have converted two classrooms as active rooms and it requires two faculty members to execute these methodologies. Some of our faculty members have already started using these methods and the feedback from the students on their learning is also good. Overall, the students enjoy learning in such

"ACHIEVEMENTS"

Ruthra Priya T *of III-ECE-C (person in the middle) got selected for All India Guards to honour various dignitaries during Republic Day Camp 2018 held at New Delhi on 26.01.2018*

environment and they demand more classes to be conducted in such environment. It is noteworthy to mention that it is completely different from the conventional classrooms and they are not only very noisy but students were allowed to use mobile phones whilst teacher only facilitates. More noise means, more discussion and it means more learning. Here, noisy room makes the students learn better.

Jig saw mode of learning, where each student team has provided with one set of material for them to discuss and learn.

COMPANIES VISITED FOR RECRUITMENT

- Fanuc
- Cognizant
- Object win technologies
- Sysbiz
- Ninjakart
- Pratian Technologies
- Wipro

Mr.R.Karthikeyan, Assistant Professor / ECE was invited as a chief guest for Radio Club Inauguration at "Tagore institute of Engineering and Technology" Attur, Salem

"An Awareness Programme and Training for Career opportunities in Think & Learn Pvt. Ltd." *was organized on 24th & 25th January 2018. This program was conducted for III ECE students. A total of 200 students attended this programme.The aim of the programme was to provide awareness on job opportunities and higher studies through Think & Learn Pvt Ltd.*

*The Department of ECE-Alumni Team organized a **"Guest lecture on Recent Trends & Employment Opportunities in IoT, Cloud and Artificial Intelligence"** on 19.01.2018 from 2.45 pm to 4.30 pm at Dept Conference Hall.This program was planned for III year UG and II year PG students. A total of 40 students and 5 faculties attended this session. Our Alumni Mr.S.Ravishankar, Solution Architect (Big Data/Machine Learning) at Nielsen, Chicago was the guest speaker.*

*Two days National Skill Development Corporation certified programme on **"PCB Design"** was organized for first and second year studentson 20th and 21st January 2018 .*

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Department Vision

To be a centre of repute for learning and research with internationally accredited curriculum, state-of-the-art infrastructure and laboratories to enable the students to succeed in globally competitive environments in academics and industry.

Department Mission

- Motivate students to develop professional ethics, self-confidence and leadership quality.

- Facilitate the students to acquire knowledge and skills innovatively to meet evolving global challenges and societal needs.

- Achieve excellence in academics, core engineering and research.

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