

LAXMI INSTITUTE OF TECHNOLOGY, SARIGAM

National Seminar on 'Deliverance of technology for social changes' (17th October 2015)

1. Introduction

Laxmi Institute of Technology, Laxmi Vidhyapeeth, Sarigam organized a one day national seminar on 'Deliverance of technology for social changes' on Saturday, October 17, 2015 at 10.00 AM in LVS, Conference Hall, Laxmi Vidhyapeeth Campus.

2. Purpose

Every Indian learner deserves to be given a chance to have the highest quality education. Scarcity of trained teachers critically hinders this national desire. The main focus of this Programme is to work with Engineering Colleges in the country to enhance the teaching skills of faculty in core Engineering and Science subjects.

Pedagogy is the discipline that deals with the theory and practice of education; it thus concerns the study and practice of how best to teach. Its aims range from the general (full development of the human being via liberal education) to the narrower specifics of vocational education (the imparting and acquisition of specific skills).

Educational technology is now ubiquitous; however, the potential of these technologies is lost without appropriate pedagogical strategies. Teachers not only need to have a knowledge of which ICT tools are relevant for education, but more importantly how to use them effectively.

This Seminar focuses on which pedagogical strategies are effective while using ICT tools in a given teaching-learning situation. In this seminar, participants will begin by articulating the objectives for their course, and explore tools appropriate for some pedagogical goals of engineering courses. Participants will learn effective strategies for teaching with these tools. The seminar will give participants several opportunities to apply these strategies to design materials and activities for their courses.

3. Inaugural Session

The ISTE faculty chapter was inaugurated by esteemed Chief Guest Pro. Kalpesh Bhavser, Chaiman, ISTE, Gujarat Section along with his office bearers Dr. Jayesh Shah, Prof. Nikul Patel and Bharat Sheth. The IEI student chapter was inaugurated by Dr. K.N. Mistry, chairman along with Dr. Atul Shah. The IETE student Chapter was inaugurated by Dr. Shilpi gupta, Secretary cum treasurer surat sub centre.

4. Program Outline

Brig (Dr) V D Abraham (Retd), Director LIT was the key note speaker of the seminar. He told the theme of the seminar” **Deliverance of technology for social changes**” is aptly chosen at this juncture of growth curve of our nation towards becoming a super power. He mentioned that Technology is considered as a tool to give a product leadership in terms of performance, quality, cost and availability in time for achieving competitive edge and hence economic superiority. In order to achieve the above vision of a developed nation, TIFCA (Technology Information, Forecasting and Assessment Centre) of Department of Science and Technology undertook the study on Technology Vision 2020 to identify the specific areas for development and road map to achieve the desired results.

The one day seminar is divided into three technical sessions. The first technical session was comprised of presentations on the topic” **Efficient and effective Engineering Education**” of invited speakers from various eminent institutes/organizations. All invited guests elaborated the theme with wonderful ideas and examples. After lunch, the Session II started with the other invited speaker, Mr. Jaswant Rathod on the theme “**Pedagogy for effective use of ICT in Engineering education**” along with paper presentations. After tea break session III started with the theme “**Social impact of Information Technology**”. The students and the faculties from LIT and other colleges shared their ideas on the theme effectively.

The schedule of the program was as follows:

October 17, 2015 - 10:00 am Venue: Conference Hall, LVS		
10:00 – 10:05 hrs	Introduction	Ms. Kavita Joshi
10:05 – 10:15 hrs	Welcome Address	Prof R Anjana
10:15 – 10:20 hrs	Release of Journal” Deliverance of technology for social changes”	Shri. Chunnibhai Gajera
10:15 – 10:20 hrs	Inauguration of ISTE chapter	Prof. Kalpesh M Bhavsar, Prof. Jayesh Shah, Prof. Nikul Patel, Prof. Bhaskar Bhatt
10:20 – 10:30 hrs	Inaugural Speech	Prof. Kalpesh M Bhavsar
10:30 – 10:40 hrs	Signing of MoU	Millineium, Collebra and
10:40 – 10:45 hrs	Inauguration of IE student chapter	Dr. K. N. Mistry, Chairman, IE, SGLC
10:45 – 10:55 hrs	Inaugural Speech	Dr. K. N. Mistry, Chairman, IE, SGLC
10:55 – 11:00 hrs	Inauguration of IETE student chapter	Dr. Shilpi Gupta, Secretary cum treasurer, surat, sub center
11:00 – 11:10 hrs	Inaugural Speech by Secretary, IETE	Dr. Shilpi Gupta, SVNIT, Surat
11:10 – 11:20 hrs	‘Deliverance of Technology for social Changes’	Keynote Address by Brig (Dr) VD Abraham, SM
Technical Session I: Efficient and effective engineering education Session Chair: Prof. Nikul Patel		

11:20 – 11:55 hrs	Invited Talk by	Dr. Vaishali B. Mungurwadi, Principal, SCET
Presentation of Technical Papers		
11.55-12.05 hrs	Effective and Efficient Civil Engineering Education	Asst. Prof. Ankur Shah (Department of Civil Engineering, LIT Sarigam)
12.05-12.15 hrs	Advanced technique of classification of Multiclass Motor Imagination-BCI data	Divya Kahar, Vishal Singh (Department of CSE, LIT Sarigam)
12.20-12.30	Time and Information Technology: Temporal Impact on Individuals, Organizations, and Society	Darshan Gandhi (G.H Patel College of Engineering)
12:30 – 01:00 hrs	Lunch Break	
Technical Session II: Social Impacts of Information Technology Session Chair: Dr. Keyur Nayak, Director, LIMS, Sarigam		
01:00 – 01:30 hrs	Invited Talk by	Mr. Ashish Parekh, Chips and Bytes, Vapi
Presentation of Technical Papers		
1.35 -1.45 hrs	Study & Improvement of Refrigeration Techniques in Dairy Industries	Ashish, Krunal and Kunal (Department of ME, LIT Sarigam)
1.45 -1.55 hrs	Innovative Air Cooler for Healthy Society	Daxesh, Krunal, Yupesh and Shrikant (Department of ME, LIT Sarigam)
1.55 -2.05 hrs	Efficiently and Effectively Transporting Things	Kaushal, Abhishek, Darshan and Mayur (Department of ME, LIT Sarigam)
	Social impact of Information Technology	Elizabeth Amanda & Dhansri Bhavsar (Department of IT, LIT Sarigam)
Technical Session III: Pedagogy for effective use of ICT in Engineering education Session Chair: Dr. Keyur Nayak, Director, LIMS, Sarigam		
02.05 – 02.25 hrs	Invited Talk by	Mr. Jaswant Rathod, Diu
Presentation of Technical Papers		
02.25 – 02.35 hrs	Development of a fast algorithm for the computation of the capacitance for the geometrically symmetric dielectric coated metallic isolated structures	Asst. Prof. Vipul Patel (Department of EC, LIT Sarigam)
02.35 – 02.45 hrs	Green Concrete	Asst. Prof. S. Sriram, Sanjay Rachcha (Department of CE, LIT Sarigam)
02.35 – 2.55 hrs	Valedictory Function	Certificate Distribution
2.55 – 3.00 hrs	Vote of Thanks	Prof. Nipa D. Modi, Executive Council member, ISTE - LIT
3.00 – 3.02 hrs	National Anthem	



5. Feed back

All the dignitaries, invited speakers and the participants were very happy about the conduction of the inaugural function and the national seminar. They mentioned that LIT has again taken a lead in the formation of professional bodies and LIT is the first institute to have such professional body within the short span. Some of the important things which came out as the outcome points of the seminar are as follows:

1. Efficient use of teaching techniques
2. Various Pedagogy techniques
3. Technology based techniques
4. Use of Smart technology for teaching
5. Use of ICT for effective teaching

Conclusion

The National seminar was concluded with valedictory session with the Certificate distribution to all the participants. The chief guest and Session chair of the function was Dr. Keyur Nayak, Director, LIMS, Sarigam and Mr. Ahsish parekh, CEO, Chips and Bytes, vapi, programme co-ordinators Prof. R. Anjana, Prof. Nipa D. Modi and Rounak Hussain were remain present during the session.

The concluding remarks were given by Prof. Nipa D. Modi, Executive Council member, ISTE shared importance of Pedagogy and ICT in Engineering Education in recent era. She also thanked all the sponsors, management of LVS and LIT for organizing such event.

The Seminar ended up with the national anthem.
