

FDP on “Emerging Trends in IT”

The Faculty Development Program held at **Maharaja Surajmal Institute of Technology** finished with a great success with the indebted support of **Surajmal Memorial Education Society** for the event.

The contributions of various academicians, researchers and beau-crates that accepted the invitation and presented their talk are:

Prof. K.L. Chopra, IITD: - Very knowledgeable talk by the great academician. Prof. Chopra was the founder of thin films laboratory at IITD and micro science laboratory IIT Kharagpur. He told the role of thin films in our daily life. Everything in the day to day activity, directly or indirectly, depends on thin films.



Prof. Shantanu choudhary- Another eminent speaker from **IIT Delhi**, throws light on the very new research area that is, deep learning he explained how this **Deep Learning Networks** performs better as compared to neural networks in various applications and also discusses the various research areas and open issues on Deep Learning.



Ms. Upma Srivastava, Sr. IAS – Explains the importance of **ethics** not only in our professional life but also in our personal life. Her talk lies in the practical view of ethics rather than the idealistic situations.



Prof. S.D. Joshi: A renowned mathematician shows the importance of Mathematical concepts in any problem solving any problem statement can be mapped with three variables -: Measure, Set of Possible outcomes and sample space. He also explained the importance of random variable and stochastic process.



Prof. S.K. Garg, DTU- Prof. Garg was Head of department of Training and Placement in DTU for a long time, he has a close relation with the top industrial personals, and in his talk he shared us the gap between the academics and industries that he learnt from his experiences. He explained the lack in the current curriculum that ultimately results in the failure of producing quality engineers.



Prof. Kehar Singh, IITD- Faculty at MSIT is fortunate to get the chance to listen and interact with the legend of **optical technology** Prof. Kehar Singh. His main emphasis on optical informatics and optical processing computers, especially in the field of:-

- Pattern recognition.
- Image processing.
- Artificial Intelligence.

He emphasized on the fact that optical technology is the science of 21st century, and is very-very fast than digital technology.



Prof. Arvinder Kaur, GGSIPU- Prof Arvinder kaur is a software professional she explained the current limitations in the present software design techniques for example:- ER diagram and DFDs. and how these can help students to improve their design skills.



Prof. Daya Gupta, DTU : Prof. Daya Gupta explains a very potential field in software development known as agile methodology. In her talk she explained the challenges, limitations and current open research issues in this field. Beyond these, she also put stress on methodology selection domain, since software community supports a wide range of methodologies and paradigms for development.



Prof. MN Hooda: -Explained the role of technology in teaching, how ICT helps to deliver your lecture efficiently and effectively. He told various impacts of ICT on contemporary higher education and also discussed the potential future developments. He also explored some challenges in higher education like cognitive tutors, need for developing a model, collaborative authoring etc.



The five-day faculty development program concluded on 4th March, 2016. The FDP programme received an overwhelming response with 45 participants from Computer science and Information technology department of Maharaja Surajmal Institute of Technology.