



HANSRAJ COLLEGE

— University of Delhi —



Mahatma Hansraj Faculty Development Centre

HANSRAJ COLLEGE

Faculty Development Programme

On

Challenges before academia in the era of Gadgets, E-communication
and

Artificial Intelligence

(December 15 – 28, 2018)

About the Mahatma Hansraj Faculty Development Centre (MHRFDC)

Hansraj College is one of the largest constituent colleges of University of Delhi.

The college has been ranked as one of the top five colleges for science, arts and commerce several times in the last decade. The faculty and the students of the college have contributed immensely to the field of academics, sports and cultural activities.

Mahatma Hansraj Faculty Development Centre has been established at the Hansraj College under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) which emphasizes the need to change the role of a teacher from mere disseminator of information and knowledge to one who advances frontiers of existing knowledge by actively developing and creating new insights into diverse social and physical phenomena.

MHRFDC Team

Chairperson : Dr Rama
Co-ordinator : Dr. Rakesh Batra
Deputy Co-ordinator : Dr. Sneha Suri

Board of Directors:
Dr. Preeti Dharmarha
Ms. Alka Kakkar
Dr. Krishan Sachdeva

About the programme

The modern world we live in is entirely different from what is used to be half a century back. We are now surrounded by gadgets, a major fraction of which are mobile phones. Almost whatever we think of doing has an electronic alternative including banking, shopping, entertainment and and teaching and learning. The exponential growth of e-portal and mobile app based services has put multidimensional challenges before the society, and the society is looking for answers from the academia. These challenges include maintaining security of electronic communication systems, protecting the rights of privacy of the individuals, preventing the frauds in banking and e-commerce sectors, preventing any possible misuse of the tools of mass communication, delivering the concerns to common man in easy and effective ways, observe the behavioral changes caused by addictive use of e-contents, studying the impact of entry of giants in each sector on the economy of the and the possible balance that is inclusive and allows medium and small scale industries to survive, and prediction of the possible threats to the society of the future due to increased usage of artificial intelligence.

Modules

The proposed FDP will have six modules, that will consist of 6 sessions each. The modules will focus on the following themes

1. Aspects of Cyber security – Meaning of an Internet threat, types of threats, Integrity, Confidentiality and Authenticity of communications over Internet.
2. Mathematical Aspects of Network Security – Basic Number Theory and Modern Cryptography.
3. Challenges to Cyber Security and Cyber crimes – Phishing, SQL Injection Attack, Scripting Attack, Man in the Middle Attack, Internet banking frauds, Credit/Debit card frauds, Frauds through E-mails, Spying mobile apps, Other Cyber crimes.
4. Economic Aspects of E-Commerce – Unfair trade practices by e-commerce giants, Long term impact of oppression of medium and small scale players.
5. Psychological effects of Gadgets – Internet, Mobile and Gadget addiction, behavioral changes in adults and kids due to increased gadget usage, suicide games like Blue Whale and their psychoanalysis.
6. Social Impacts of Artificial Intelligence – Dependence on artificial intelligence, Machines replacing human, Driver-less Metro engines and Driver-less cab project of Tesla and Uber, AI based assistants replacing humans (Amazon and Google's projects), Impact on employment, Impact on Social Justice.

Registration Details

- * Pre-registration to the FDP is through online mode only.
- * Interested participants are requested to fill the Online pre-registration form available at the following link latest by Dec 10, 2018.

- * There is no registration fee for the programme.
- * Selected participants shall be intimated latest by Dec 12, 2018.

Organizing Committee

CO-ORDINATOR : DR. ARVIND

CONVENER : MUKUND M. MISHRA

MEMBERS :

1. DR. RAKESH BATRA
2. DR. PREETI DHARMARHA
3. DR. LOKESH CHANDRA MISHRA
4. DR. CHETNA JAIN
5. DR. BHARTI
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