



# MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**in association with**

**DEPARTMENT OF INFORMATION TECHNOLOGY &**

**IEEE COMSOC DELHI CHAPTER**

***PRESENTS***

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## ***Two Weeks Faculty Development Program cum Workshop***

***on***

***“Internet of Things & its related Areas”***

***16<sup>th</sup> August – 27<sup>th</sup> August, 2021 (Online Mode)***

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### **About the FDP**

The Internet of Things (IoT) has evolved from the convergence of wireless technologies, and the Internet, by connecting “things” in the real world such as home appliances, industrial equipment, surveillance cameras, monitoring sensors, and actuators. The IoT will foster the development of a number of applications that make use of the potentially enormous amount and variety of data generated by such objects to provide new services to citizens, companies, and public administration. . This FDP aims to make the participants realize the importance of IoT and its applications in various fields as well as to demonstrate some demo projects on specific applications. This course also gives an introduction to IoT, so that participants can learn to build their own IoT products for various applications, and it also enables them to convert their product ideas into a working prototype.



## MEET OUR DIGNITARIES



**Dr. Nand Kishore Garg**  
Founder & Chief Advisor, MATES  
Chancellor, Maharaja Agrasen  
University (HP)



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Chairman, MATES



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Executive Chairman, MATES

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Prof. G.P. Govil

Prof. N.K. Kakkar

### **Head of Sister Institutions**

Sh. B.L. Mahajan, Director, MAG School

Prof. R.K. Gupta, VC, MAU, Baddi, HP

Prof. S.K. Garg, Director General, MAIMS

Prof. Ravi Kumar Gupta, Director, MAIMS

## Participants

Academicians, Research Scholars, Industry People & Students

## Certification

All the participants will be provided with an E-certificate of Participation after successful completion of FDP.

## Registration

### Registration Fees:

For Academicians, Research Scholars ---- Rs.500/-  
and people from Industry

For Students -----Rs.300/-

(Registration fee includes course material and recording of FDP)

Registration is mandatory but the FDP cum workshop is free of cost for the Faculties & Students of MAIT, Delhi and IEEE ComSoc Members.

### Registration Link & QR Code:

<https://forms.gle/5MQkCFvzXnMi7vmP8>



**Registration Deadline: August 14<sup>th</sup>, 2021**

### Payment to be made in favour of

Account Holder's Name	Maharaja Agrasen Institute of Technology
Bank Name	Union Bank of India
Bank Account No.	394502010059875
IFSC/NEFT Code	UBIN0560421

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**Dr. Nand Kishore Garg**

Founder & Chief Advisor, MATES Chancellor,  
Maharaja Agrasen University (HP)

**Sh. Vineet Kumar Gupta**

Chairman,  
MATES

**Sh. S.P. Aggarwal**

Executive Chairman,  
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(Academics), MATES

**Prof. (Dr.) Neelam Sharma**

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## Organizing Team Members

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Nidhi Sengar  
Vasudha Bahl  
Sakshi Jha

Kavita Saxena  
Neelam Sharma  
Zameer Fatima



## Maharaja Agrasen Institute of Technology

(Approved by AICTE & Affiliated to GGSIP University)

## Two Weeks Faculty Development Program cum Workshop

on

## “Internet of Things & its related Areas”

**August 16-27, 2021 (Online Mode)**

### Organized by

Department of Computer Science & Engineering  
in association with

Department of Information Technology &  
IEEE ComSoc Delhi Chapter

### Convener

**Prof. Namita Gupta**      **Prof. M.L. Sharma**  
HOD – CSE                      HOD - IT

### Coordinators

**Dr. Ashish Khanna**      **Prof. Amita Goel**  
**Dr. Deepak Gupta**      **Dr. K.C. Tripathi**  
**Mr. Moolchand Sharma**

**Maharaja Agrasen Institute of Technology**

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## Maharaja Agrasen Institute of Technology

Maharaja Agrasen Institute of Technology was established in 1999 by Maharaja Agrasen Technical Education Society promoted by a group of well known Industrialists, Businessmen, Professionals and Philanthropists with an aim to promote quality education in the field of Technology and Management. Since then, MAIT has grown from strength to strength to emerge as one of the top technical institutes among the private Institutes and has been constantly ranked amongst the top engineering Institutes by DATAQUEST. To build lasting relations with Industry, MAIT joins hands with industry in fulfilling the social responsibility of imparting industry relevant technical education and training. Its Alumni have also distinguished themselves through their achievements in industry, academics, research, business, government and social domains. The institute continues to work closely with the Alumni to enhance its activities through interactions in academic and research programme.

## Department of Computer Science & Engineering

Department of Computer Science & Engineering commits to work towards developing Engineers with a rich blend of competent, technical, managerial and social skills and contribute to nation building. Department places emphasis on all the important aspects of computers such as Computer Networks, Mobile Communication, Algorithm Design, Operating System, Advance Database Systems, Theory of Computation, Computer Graphics and many more. Department takes the initiative to improve the soft skills, analytical capabilities and verbal communication of the students so that they can face the competition in the corporate world confidently.

## About the FDP

, The Internet of Things (IoT) has evolved from the convergence of wireless technologies, and the Internet, by connecting “things” in the real world such as home appliances, industrial equipment, surveillance cameras, monitoring sensors, and actuators. The IoT will foster the development of a number of applications that make use of the potentially enormous amount and variety of data generated by such objects to provide new services to citizens, companies, and public administration. . This FDP aims to make the participants realize the importance of IoT and its applications in various fields as well as to demonstrate some demo projects on specific applications. This course also gives an introduction to IoT, so that participants can learn to build their own IoT products for various applications, and it also enables them to convert their product ideas into a working prototype.

## Objective of FDP

To understand fundamentals of IOT, basic design strategy and process modelling. To learn real world application scenarios of IOT along with its social and economic impact using various case studies. To develop comprehensive approach towards building an IOT ecosystem. To provide an opportunity for academicians and researchers to learn, enrich, and enhance their knowledge with hands-on deployment skills in order to develop various IOT enable solutions. This program will provide opportunities for researchers and faculty to interact on cutting edge technologies in IOT with their applications.

## Eminent Resource Persons

- ❖ Prof. Manu Malek (Alcatel-Lucent Bell Labs and Stevens Institute of Technology (Ret.) New Jersey, USA)
  - ❖ Prof. Danda B. Rawat (Director, DoD Center of Excellence in Artificial Intelligence & Machine Learning, Howard University, Washington, DC, USA)
  - ❖ Prof. Giancarlo Fortino (Dept. of Informatics, Modeling, Electronics and Systems, University of Calabria, Italy)
  - ❖ Dr. Utku Kose (Suleyman Demirel University, Turkey)
  - ❖ Dr. Ali Kashif Bashir (Dept. of Computing and Mathematics, Manchester Metropolitan University, United Kingdom)
  - ❖ Dr. Mazin Abed Mohammed (College of Computer Science and Information Technology, University of Anbar)
  - ❖ Dr. Shahid Mumtaz (Senior Researcher Scientist and Technical Manager at Instituto de telecomunicações Aveiro, Portugal)
  - ❖ Dr. Sarada Prasad Gochhayat (Old Dominion University, USA)
  - ❖ Dr. Jawar Singh (Associate Professor, Indian Institute of Technology Patna)
  - ❖ Prof. Y N Singh (Electrical Engineering Department, Indian Institute of Technology Kanpur)
  - ❖ Prof. S K Dhurandher (Department of IT, Netaji Subhas University of Technology, Delhi)
  - ❖ Dr. Anurag Singh (Department of Computer Science and Engineering, National Institute of Technology, Delhi)
  - ❖ Prof. Anupam Gupta (Chief Technology Officer, BlockApps AI)
  - ❖ Prof. Abhishek Swaroop (IT Dept. BPIT, Delhi)
  - ❖ Dr. Ambarish Mohapatra (Silicon Institute of Technology, Bhubaneswar)
  - ❖ Dr. Ashish Khanna (CSE Dept. MAIT)
- And many more.



**Maharaja Agrasen Institute of Technology, Delhi**  
**Department of Computer science and Engineering**  
**Department of Information Technology**  
**IEEE ComSoc Delhi Chapter**



**Two Weeks Faculty Development Program**  
**on**

**“Internet of Things and its related Areas”**

**Program Schedule**

**(16-27 August, 2021)**

**MS Teams (Online Platform)**

	Timings	Speaker
<b>DAY 1</b> <b>(16 August)</b>	<b>5:30 pm – 6:00 pm</b>	Inauguration of FDP
	<b>6:00 pm – 8:00 pm</b>	Prof. Manu Malek, Alcatel-Lucent Bell Labs and Stevens Institute of Technology (ret.), New Jersey, USA
<b>DAY 2</b> <b>(17 August)</b>	<b>3:00 pm – 4:00 pm</b>	Dr. Ashish Khanna, CSE Dept, Maharaja Agrasen Institute of Technology, Delhi
	<b>4:00 pm – 5:00 pm</b>	Prof. Abhishek Swaroop, IT Dept, Bhagwan Parshuram Institute of Technology, Delhi
	<b>6:00 pm – 8:00 pm</b>	Prof. Giancarlo Fortino, Department of Informatics, Modeling, Electronics and Systems, University of Calabria, Italy
<b>DAY 3</b> <b>(18 August)</b>	<b>3:00 pm – 5:00 pm</b>	Dr. Utku Kose, Suleyman Demirel University, Turkey
	<b>6:00 pm – 8:00 pm</b>	Dr. Ali Kashif Bashir, Department of Computing and Mathematics, Manchester Metropolitan University, United Kingdom
<b>DAY 4</b> <b>(19 August)</b>	<b>3:00 pm – 5:00 pm</b>	Dr. Mazin Abed Mohammed, College of Computer Science and Information Technology, University of Anbar
	<b>6:00 pm – 8:00 pm</b>	Dr. Gautam Srivastava, Associate Professor, Brandon University, Canada
<b>DAY 5</b> <b>(20 August)</b>	<b>3:00 pm – 5:00 pm</b>	Dr. Sarada Prasad Gochhayat, Old Dominion University, USA
	<b>6:00 pm – 8:00 pm</b>	Dr. Shahid Mumtaz, Senior Research Scientist and Technical Manager at Instituto de Telecomunicações Aveiro, Portugal
<b>DAY 6</b> <b>(21 August)</b>	<b>3:00 pm – 5:00 pm</b>	Dr. Ambarish Mohapatra, Silicon Institute of Technology, Bhubaneswar, India
	<b>6:00 pm – 8:00 pm</b>	Prof. Danda B. Rawat, Department of Electrical Engineering & Computer Science, Director, DoD Center of Excellence in Artificial Intelligence & Machine Learning, Howard University, Washington, DC, USA





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**Department of *Computer science and Engineering***  
**Department of *Information Technology***  
**IEEE ComSoc Delhi Chapter**



**Two Weeks Faculty Development Program**  
**on**  
**“Internet of Things and its related Areas”**  
**(16-27 August, 2021)**

**Program Schedule**

**MS Teams (Online Platform)**

	Timings	Speaker
<b>DAY 7</b> <b>(23 August)</b>	<b>11:00 am – 1:00 pm</b>	Dr Jawar Singh, <u>Associate</u> Professor, Indian Institute of Technology Patna
	<b>2:00 pm – 4:00 pm</b>	Dr K C Tripathi, Department of Information Technology, Maharaja Agrasen Institute of Technology, Delhi
<b>DAY 8</b> <b>(24 August)</b>	<b>11:00 am – 1:00 pm</b>	Mr Umang Kejriwal, Founder and CEO, Apptronix Technologies
	<b>2:00 pm – 4:00 pm</b>	Prof Anupam Gupta, Chief Technology Officer, BlockApps AI
<b>DAY 9</b> <b>(25 August)</b>	<b>11:00 am – 1:00 pm</b>	Mr Umang Kejriwal, Founder and CEO, Apptronix Technologies
	<b>3:00 pm – 5:00 pm</b>	Prof Y N Singh, Electrical Engineering Department, Indian Institute of Technology Kanpur
<b>DAY 10</b> <b>(26 August)</b>	<b>11:00 am – 1:00 pm</b>	Prof S K Dhurandher, Department of Information Technology, Netaji Subhas University of Technology, Delhi
	<b>2:00 pm – 4:00 pm</b>	Ms. Kirti Jindal Topic: How to unlock your full potential
<b>DAY 11</b> <b>(27 August)</b>	<b>11:00 am – 1:00 pm</b>	Dr. Anurag Singh, Department of Computer Science and Engineering, National Institute of Technology, Delhi.
	<b>1:00 pm onwards</b>	Valedictory session



# Maharaja Agrasen Institute of Technology, Delhi

(Approved by AICTE and Affiliated to GGSIP University)

Sector-22, Rohini, Delhi – 110086

## NOTICE

**Dated: 10.08.2021**

Department of Computer Science & Engineering (CSE), MAIT, in association with Department of Information Technology (IT), MAIT and IEEE COMSOC Delhi Chapter are organizing Two Weeks Faculty Development Program cum Workshop on “Internet of Things and its related Areas” from 16/08/2021 to 27/08/2021. The inaugural schedule is as follows:

Program (16/08/2021), 05:30-06:00 pm	Speaker	Time
Saraswati Vandana	Online	05:30-05:35 pm
Address by the Convener	Prof. (Dr.) Namita Gupta, HoD CSE	05:35-05:40 pm
Address by the Director, MAIT	Prof. (Dr.) Neelam Sharma	05:40-05:45 pm
Address by the Chair, IEEE Communication Society-Delhi Chapter	Sh. Prashant Chugh, Group Leader, CDOT	05:45-05:50 pm
Address by Founder and Chief Advisor, MATES	Dr. Nand Kishore Garg	05:50-05:55 pm
Vote of Thanks by the Convener	Prof. (Dr.) M.L. Sharma, HoD, IT	05:55-06:00 pm

All registered participants are invited for the inaugural session at 05:15 PM on 16<sup>th</sup> August, 2021.

Registration Link: <https://forms.gle/5MQkCFvzXnMi7vmP8>

MST Link for all sessions: <https://bit.ly/3ivbOK5>

**Prof. (Dr.) Neelam Sharma**  
**Director**

### MAIT Website

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2. Chairman
3. Executive Chairman
4. General Secretary
5. Chief Executive
6. Vice Chairman
7. Secretary
8. Director (MAIMS)
9. Dean Academics
10. All HoD's
11. All Faculty members of MAIT and MAIMS