

About the University:

Maulana Azad National Urdu University (MANUU) is a Central University established at National Level in 1998 by an act of Parliament to promote and develop the Urdu language and to impart vocational and technical Education in Urdu medium through conventional and distance modes. The Headquarters of the University is at an outstanding central location-Gachibowli, Hyderabad, sprawled over 200 acres. The students and staff of the University are drawn from throughout India. They are attracted by its commitment to excellence in quality Urdu education in all disciplines of knowledge

The University's campus education as on today boasts of seven Schools of Studies: namely,

- 1) School of Languages, Linguistics & Indology,
- 2) School of Commerce & Business Management,
- 3) School of Journalism & Mass Communication
- 4) School of Arts & Social Sciences
- 5) School of Sciences
- 6) School of Education & Training and
- 7) School of Technology.

About the Department:

Department of Computer Science & Information Technology was established in University with the introduction of one year Post Graduate Diploma in Information Technology (PGDIT) programme in the year 2006, with the objective of imparting quality education in the field of Computer Science and Information Technology. With rapidly evolving technology and the continuous need for innovation, the department has always produced quality professionals, holding important positions in IT industry. The Department has started Master of Computer Applications (MCA) Modular (Dual Exit) programme in the year 2011 with the aim to develop core competence in Computer Science and prepare the students to carry out development work, as well as take up challenges in research. In order to imbibe entrepreneurship skills to the youth of the country, the department has started Bachelor of Technology in CS&IT [B.Tech (CS&IT)] programme from 2013 with the aim to prepare quality professionals. To ignite the minds with quality research, the Department has started Ph.D (Computer Science) program from 2013. The Department has always been on a high growth path and to keep pace with the current technological trends. Further to provide academic training and research expertise, the department has started Master of Technology in Computer Science [M.Tech (CS)] in the year 2015.

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Hon'ble Vice Chancellor

Maulana Azad National Urdu University

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Mr. Jameel Ahamed

Assistant Professor

School of Technology'

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Mrs Tunga Arundhathi

Assistant Professor

School of Technology'

Maulana Azad National Urdu University

DST Sponsored Faculty Development Program

on

Sensor Networks, Internet of Things (IoT)
and Internet of Everything
(25 November-08 December 2019)

Organized by

Department of Computer Science and Information Technology

Maulana Azad National Urdu University

Gachibowli Hyderabad-500032,
Telangana State, India



Coordinators

Mr. Jameel Ahamed, Assistant Professor
Mrs. Tunga Arundhathi, Assistant Professor

Call for Participation

About Hyderabad:

Hyderabad is the fourth largest city in India and the capital of the newly formed Telangana State. It had been the capital of the united Andhra Pradesh. With a unique history of more than 400 years, the city is now the finest blend of antiquity and modernity, with its rich cultural heritage and architecture, and adoption of a cosmopolitan outlook. Home to monuments like the iconic structure of Charminar, the Golconda Fort and marvellous Palaces of the Nizam, it attracts a steady stream of admiring tourists from around the world. Its modernity has attracted multi-national giants like Microsoft, Google and hosts of the other international corporate houses to set up their offices here. The Hi-tech city in Hyderabad is one of the largest hubs of the service industry in India and reflects the city's modernity. Hyderabad is also a hub for Pharmaceutical and Manufacturing industries, due to its unique location and accessibility. Hyderabad is also a destination for its unique medical and education facilities. State-of-the-art super specialty hospitals provide world-class medical services here. The universities and various other national and international level education institutions like IIT, IIIT and ISB in the city attract students from across the world and the country regularly. Hyderabad is the gateway to South India. It is the converging Point of the South and North India both geographically and culturally, along with a long tradition of Cosmopolitan and hospitable culture. Citizens of any region of the subcontinent and of any national feel quite at home here. Language and culture is never a barrier in Hyderabad. Situated on the Deccan Plateau, Hyderabad enjoys a pleasant climate throughout the year. Hyderabad is well-connected with the rest of the world through all modern means of transport. Rajiv Gandhi International Airport has flight services to all major cities in the world. Secunderabad, the twin city of Hyderabad, is major and one of the oldest railway junctions in the country, connecting the twin cities with all corners of India. Because of its old pearl trade, Hyderabad has earned the sobriquet 'The Pearl City'

About the Training Program:

The two-week faculty development program on "Sensor Networks, Internet of Things (IoT) and Internet of Everything" is scheduled to be held during November 25 to December 8, 2019. The Sensor Networks and 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

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 Sensor Networks, 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 Sensor Networks, IoT and Internet of Everything 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. It also introduces the participants to the amazing world of IoT and its fascinating applications. IoT is the idea of making devices and objects smarter by linking them to the internet. This technology frontier IoT with immense engineering applications is the need for today's industry and academia. This FDP serves as a platform to train and educate the UG/PG Students, Research scholars and Faculty to interact on cutting edge technologies in this emerging area.

Eligibility for Participation:

The training program is open to Faculty/UG/PG/Doctoral students. As the training program is of interdisciplinary nature, engineering faculty members, UG/PG students, research scholars of Electrical, Electronics and Computer disciplines can attend the program. Faculty members with Science and Mathematics background also can attend.

Topics to be Covered:

- Introduction to Wireless Sensor Networks and Design of sensor network protocols including MAC and Routing protocols.
- Sensor Web and Cloud.
- Introduction to Internet of Things.
- Smart IoT devices and applications.
- Communication protocols, interconnections, system design and development.
- Service Discovery and device to device communication in IOT.
- Data management, big data analytics in IOT and Security in IOT.
- Machine Learning and IoT
- Programming with IoT devices.
- Research issues and case studies in IOT.
- Internet of Everything.

Registration Fee:

The registration fee is Rs. 500/- for faculty members/UG/PG and Doctoral candidates. Selected participants are eligible for free boarding and lodging (travelling through train by third AC class), (breakfast, lunch, dinner, snacks, etc.). A Registration fee of Rs 500/- (refundable) should be sent in the form of a DD in favour of "MANUU" payable at Hyderabad. In case, if a candidate is not selected for the training program, then the DD sent by him/her will be sent back to his/her address before the beginning of the training program. The accommodation may be arranged on request in HRDC Guest House MANUU Hyderabad free of cost. (Charges bear by Organizers).

Last Date of Registration:

The candidates can send their signed and scanned registration forms to the Coordinator first through e-mail jameel.shaad@gmail.com. They will be informed the decision about their selection on 15.11.2019. Hard copy of the registration form along with the DD should reach the Coordinator on or before 11-11-2019. The candidates selected for the program have to attend ALL sessions without missing any single class (100% attendance is MUST).

Correspondence Address

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