

Press Release

JMI organises talk on IT Trends for 2022 & beyond and Advancement in Applied Public Key Cryptography

The Department of Computer Engineering, faculty of Engineering & Technology, Jamia Millia Islamia (JMI) organised two talks today as part of Extension Lecture series by reputed technocrats, professors and scientists.

Prof. Bashir Alam, HOD, Department of Computer Engineering introduced the speakers Mr. Syed Sameer, Director, Nano Kernel Pvt Ltd, Texas, USA and Dr. Mohammed Misbahuddin, Scientist F, Associate Director & Group Head-ACTS & BD Divisions, CDAC, Bangalore, India.

Prof. M.T. Beg, Offg. Dean, Faculty of Engineering and Technology, JMI welcomed the speakers.

Mr. Syed Sameer highlighted Up Skilling trends for 2022 & beyond and said Hyper Automation will reach \$586 billion market in 2022 as well as most office productivity tools will be completely commoditized by 2025. Major affected areas will be: Invoicing, Procure to pay, sales management, ERP data Entry, HR, Data queries, Accounting departments and skill required will be : AI, RPA tools, Low Code/No Code apps etc.

Mr. Sameer further said that 75% of all businesses would adopt LC/NC application development by 2030 and would have a \$187 billion opportunity by 2030 even though currently it was \$13.2 billion growing to \$50 billion in 2025. In his opinion Hot development areas are Back-office database applications, Web applications, Mobile apps requiring skills in PHP, Java, Python, Node js, strong UX/UI experience,

He also talked about XAI, SECOPS, Digital Twins, Internet of Behavior, Application Programming Interface (API) Engineers. As per his says the market of Explainable AI(XAI) is Currently \$3.35 billion and will reach \$22 billion in 2026 as well and API Engineers have 22% greater chances of landing a job than software developers.

Dr. Mohammed Misbahuddin, Chair,IEEE P2989 working group on standard for authentication in multi- server environment, highlighted the recent advancements in Public Key Cryptography, Digital signature, E-signature, C-sign, IDoT ,Digital Certificates for things etc.

He also elaborated future direction for further innovative research in the area of applied PKC.

Faculty members, students of M.Tech.(Computer Engineering),Ph.D.(Computer Engineering) of the Department of Computer Engineering and Ph.D. students along with Dr. Izhar-Uddin of the Department of Mathematics, JMI participated and enthusiastically interacted with the speakers.

The event concluded with a vote of thanks by Prof. Bashir Alam, Head, Department of Computer Engineering, JMI.



