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Press Release

### **JMI hosts Extension Lecture on Resource Provisioning in Cloud Computing**

New Delhi: The Department of Computer Science, Jamia Millia Islamia (JMI), a central university with an esteemed NAAC A++ accreditation, organized an extension lecture on "Resource Provisioning in Cloud Computing" on 5<sup>th</sup> November, 2024. The lecture focused on the critical aspects of resource management within cloud environments, addressing both theoretical and practical challenges in the field of cloud computing.

The lecture was delivered by Prof. Zahid Raza, Dean of the School of Computer & Systems Sciences at Jawaharlal Nehru University (JNU). Prof. Raza, a leading expert in cloud computing and systems sciences, shared insights on advanced resource management techniques crucial for scalable and efficient cloud operations. A core segment of Professor Raza's lecture explored auction mechanisms in cloud computing, a significant area of study for managing resource allocation and cost-efficiency. In his concluding section, Professor Raza addressed some of the pressing challenges in cloud computing, including data security, regulatory compliance, and energy consumption in large data centers.

The session was inaugurated by Prof. Saeed Uddin, Dean of the Faculty of Sciences. Prof. Saeed Uddin, provided a brief overview, underscoring the importance of cloud computing in academic research and the need for future-ready infrastructure.

Prof. Monica Mehrotra, Head of the Department of Computer Science, JMI introduced the topic and set the stage for the lecture. She emphasized the transformative impact of cloud computing in modern research, noting how its scalability and flexibility are enabling groundbreaking advancements across various fields. In her introduction, Prof. Mehrotra encouraged attendees to consider the potential of cloud-based solutions for academic research, collaboration, and innovation.

Prof. Mansaf Alam, Subject Association Advisor in the Department of Computer Science, also participated in supporting and guiding the event.

Prominent faculty members who graced the occasion included Prof. Syed Afzal Murtaza Rizvi, Prof. S. M. K Quadri, Prof. Suraiya Jabin, Prof. Zeeshan Hussain, Prof. Jahiruddin, Dr Taran S. Bharti, Dr Khalid Raza, and Dr Israr Ahmad(Programmer). Their presence highlighted the department's commitment to promoting advanced knowledge and research in cloud computing.

The event saw enthusiastic participation from students of various postgraduate programs, including the MCA, and M.Sc. Artificial Intelligence/Machine Learning, and M.Sc. Bioinformatics programs. These students actively engaged with the topics

discussed, gaining valuable insights into cutting-edge developments in resource provisioning for cloud-based platforms.

The session underscored the vital role of cloud computing in research and innovation, inspiring students, faculty, and researchers to leverage cloud technologies for future projects. The collaborative environment and the active engagement of the audience reaffirmed the importance of fostering knowledge-sharing opportunities in the academic community.

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