NEW HORIZON
COLLEGE OF ENGINEERING

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Event: Technical Talk on "Cloud Computing"   **Time-9:00 AM to 12:00 PM**

Venue: Falconry Seminar Hall   **Speaker: Mr.Karthikeyan KV**

On the 9th of December, a technical talk was conducted on the field of "cloud computing- run time cloud storage, infrastructure management and security". The talk was open to all the AIML department faculty and the students of 3rd semester.

The organizing committee of the event- Dr.Manjunatha(principal), Dr.N.V. Uma Reddy (Professor & HOD/AIML), Dr.Anandhi R J(Dean of Academic) and Pro. Sonia Maria D'Souza (SAP/AIML).

The keynote speaker was Mr.Karthikeyan- the Project/Operations Lead of CAP Gemini, Bengaluru. Mr. Karthikeyan shared his insight on Cloud Infrastructure, Consulting and System Integration projects. As an operational manager, he leads large teams based on onsite and offshore delivery models with special emphasis on maintaining a 20:80 ratio. With project management experience, he has many international conversance in countries like Japan, Singapore and India. He is responsible for creating delivery strategies and directing

proposition development. His skill in building and managing clients' IT services ecosystem has a very proactive impact on technological development. His presence in the college had a renowned effect on the students with an amazing opportunity for an internship with a period of work experience and creation in CAP Gemini. He has worked in the companies Quintegra Solutions, Polaris Software Lab, and NEC India. Some of his career achievements are 80+ improvement ideas implemented in the last two years and savings of 12$ returned to the clients. He has also successfully reduced the COQ by 60 percent by aligning the testing team rights from the requirement phase. As a certified cloud practitioner and a manager from Harvard, Mr.Karthikeyan shared some very practical and utilitarian knowledge on cloud computing applications. Taking a software company system as an example the IBM cloud was explained. IBM Cloud is a suite of cloud computing services from IBM that offers both platforms as a service and infrastructure as a service.

Cloud computing is on-demand access, via the internet, to computing resources—applications, servers (physical servers and virtual servers), data storage, development tools, networking capabilities, and more--hosted at a remote data center managed by a cloud services provider. It is a general term for anything that involves delivering hosted services

over the internet. Based on this definition forum, the attendees of the technical talk had the opportunity to analyze various domains in the field of cloud computing like infrastructure as a service, platform as a service, function as a service and software as a service. The participants were presented with the background information statistics on cloud computing algorithms and how data analytics plays a crucial role in "On-demand Computing". For some perspective on just how vital cloud storage and computing are to our lives, the speaker differentiated every aspect of cloud domains from the public, private, hybrid and community cloud system types. Social network platforms have rapidly changed the way that people communicate and interact. They have enabled participation in digital communities as well as the representation, documentation and exploration of social relationships. In contrast to this point, the students shared their views on how social media is interlinked to cloud computing technologies. As education is increasingly adopting advanced technology because students already are, the speaker was confidently able to describe the advantageous methodologies of cloud computing specifically cost-effectiveness, productivity, speed, performance, reliability and security. Taking the cloud systems to different versions, the speaker disseminated his practical knowledge of FOG computing. Fog computing is a decentralized computing infrastructure in which data, computing, storage and applications are located somewhere between the data source and the cloud. Like edge computing, fog computing brings the advantages and power of the cloud closer to where data is created and acted upon. Big data analytics has inculcated cloud computing to develop, store and modify data. The students have learned the most profound way to scrutinize big data and IoT. Big Data and Cloud Computing as two mainstream technologies are at the center of concern in the IT field. Every day a huge amount of data is produced from different sources. Big Data is a concept that deals with storing, processing and analyzing large amounts of data. Cloud computing on the other hand is about offering the infrastructure to enable such processes cost-effectively and efficiently. One of the best real-world examples discussed during the session was "Virtual Reality and Artificial Intelligence". Virtual reality cloud is the synergy between VR content and cloud infrastructure. It means that parts of the computation tasks can be executed remotely on powerful hardware. The overall goal of VR cloud computing is to lower the costs of the fully immersive experience by removing the requirements of local high-end hardware.

The effectiveness of the tech talk increased with the students' volunteered participation in interacting with the quick-witted speaker. Encouraging the current youth to develop a passion for solving real-life problems using cloud computing and artificial intelligence & machine learning is a very good approach for the development of data security and powering visual

services. On an ending note, the students had an amazing and wonderful experience throughout the technical talk and learned the importance of cloud computing providers.

In addition to this technical talk, AI&ML Department issuing e-certificate for the participated candidates. The outcome of this technical talk by Mr. Karthikeyan was providing Industrial visit for 15 students for the AI Automation.

HOD

Dr.N. V Uma Reddy