"Seminar on Distributed Computing"

CSI Student Branch GITAM in association with Department of Computer Science Engineering had organized the seminar on Distributed Computing. The featured speaker for the event was Shri. Sumanth Pasupuleti, Senior Software Engineer, Netflix, California.

Shri. Sumanth Pasupuleti is a distinguished alumnus of GITAM from the 2009 batch. He is the proud recipient of the Gold Medal for academic excellence in the year 2017. He was placed in Microsoft straight out of college for 8 years and has recently joined Netflix, California, in March, 2017.

He began the seminar by highlighting the importance of programming as students of computer science and stressed on the value of the little time which we have outside of academics. He highlighted the importance of time management by sharing his schedule which he followed in college and then in his work life. He also gave an insight to the work culture followed in NETFLIX.

"There may be limitations about how talented or intelligent one can be, but there's absolutely no limit to how diligent one can be."

Distributed computing intends to leverage a cluster of machines to get tasks done faster. This computing paradigm utilises parallelism and task division to increase efficiency of computing all forms of tasks. The speaker introduced Hadoop, Spark and Cassandra, which is one of the simplest NoSQL database distributing systems. He contrasted RDBMS concepts with the NoSQL concepts used in Cassandra and presented an overview of Cassandra's implementation of CAP theorem to maximize efficiency. He ran through a short list of commonly used hashing algorithms and CPU scheduling algorithms.

In conclusion, he encouraged all the students to get started with Cassandra and Open Source Software Development. The resource person further shared with everyone his experiences in the industry. The seminar concluded with an interactive question and answer session.

Participation: 150+

Prof. K.Lakshmi Prasad presenting a memento to Shri. Sumanth Pasupuleti