

Report :Expert Lecture

Open Source Technologies

19.04.2023

The Department of Computer Engineering, J. C. Bose University of Science and Technology, YMCA organized an online expert lecture on **Open Source Technologies** for the students of B.Tech Computer Engineering 6thSem (CE 61, CE 62). The lecture was conducted on 19thApril 2023 and was attended by ~100 participants. Dr. Preeti and Dr. Shivi were the Program Coordinators of this expert lecture.

Dr. Shivi Garg welcomed the resource person, Mr. Siddharth Verma and extended gratitude for sparing valuable time to deliver a lecture to the students. She further acquainted the audience about the rich experience of the Mr. Siddharth as Technical Lead in Binmile technologies with more than 16 years of experience in various contemporary development platforms like Java, Java Spring-Boot, Python, .Net, .Net MVC, Android, etc. His major research areas include image segmentation, deep learning systems. He has a fondness for developing workflow of sophisticated software system.

In the lecture, Mr. Verma discussed about the solution to modern startups. He also talked about highly scalable systems. Further, he enlisted the differences between ERP & Pay. He then talked about web services and microservices and their applications. He further illustrated the example of Facebook and how it caters the users. He demonstrated the Postman API, which serves as a platform for developers to design, build, test and iterate their APIs. Postman reports having more than 25 million registered users and 75,000 open APIs, which it says constitutes the world's largest public API hub. He further elaborated that Postman offers a tiered pricing model. Options range from a free plan for small teams to enterprise plans that can serve thousands of developers and offer custom domains, reporting, analytics, governance and enterprise integrations with GitHub and GitLab.

Session continued with project ideas, which students can make such as stock trading/ docking app, ALPACA (Alpaca's Local Currency Trading API allows your customers to see the value of stock prices, trades, performance, and statements in their local currencies), weather apps

like ACCUWEATHER, Banking APIs. He further discussed the problems, which students face in programming. He provided the techniques to overcome the fear of coding.

Mr. Verma further discussed about smart software such as SAP, CRM. He explained the software and how to make classes/functions reusable and modular through designing a program in Java language. Expert Lecture was concluded with a Q&A session, where students asked questions about different open source technologies and their career opportunities.

The session concluded with a group photograph and the vote of thanks by Dr. Shivi Garg. This fruitful session was appreciated by one and all present.







