

**Computer Society of India**  
**Coimbatore Chapter**



***2020- 2021***  
***CSI Monthly Meeting Report***

**June 2020**

## " CSI Students Webinar Series"

An initiative of CSI Coimbatore Chapter to provide a platform for its Student Branch Members to interact and share knowledge with peer student members of all colleges.

Date : **24<sup>th</sup> June 2020, Wednesday**

Time : **10.00 AM to 11.00 AM**

Topic : **"REST API - Why, What and How?"**

Speaker : **Mr. Rubesh C V**  
Final Year, B.E (CSE)  
Sri Ramakrishna Engineering College, Coimbatore

Topic : **"Artificial Intelligence and IBM Watson"**

Speaker : **Mr. B . Jeevanandan**  
3<sup>rd</sup> year, B.Tech (IT)  
Coimbatore Institute of Technology, Coimbatore

The CSI Students Webinar Series organize by CSI Coimbatore Chapter was held on 24<sup>th</sup> of June 2020, at 10am to 11 am with overwhelming registrations.

The chairperson of CSI Coimbatore Chapter, Dr. G. Radhamani welcomed all the participants. Dr.Somasundram , MC Member introduced the Student Speakers.

### **REST APIs – WHY, WHAT and HOW?**

Mr. Rubesh described REST APIs by elaborating on three main questions, WHY WHAT and HOW. Exploring these three questions in detail will result in a better understanding of the definition and functioning of REST APIs and will aid in starting a REST API development from scratch.

“WHY REST API” section shed light on the history of the commercial internet and how it became a mainstream medium and the transformations it faced which resulted in an architecture which we are using today. The evolution of CORBA, SOAP, and their advantages and limitations, which led to the need for a new design strategy that should be more adaptable, compatible, and easy. Thus, answering the question, WHY was REST API needed.

“WHAT is REST API” section defined and explained the concepts of REST and explained the REST as a style and not a standard for designing API and the advantages of the REST design. It explained how HTTP verbs are used to communicate.

“HOW REST API” section demonstrated how to build a REST API from scratch using ASP.NET CORE framework. A classic to-do application was designed to get, post, update, delete a to-do. The endpoints were designed based on the entities. The API was then built and executed in the local server.

The webinar concluded by referring GraphQL, which is considered to be the next big technology that will dethrone REST APIs.

### **ARTIFICIAL INTELLIGENCE AND IBM WATSON**

**Mr. B . Jeevanandan** addressed on Artificial Intelligence. It describes the basic functionality of AI, shows what are all the concepts, required to develop a good model .The good model is determined by its accuracy in output. The accuracy of the function can be increased by training model with better dataset under required algorithms

The use of Auto-AI in watson machinelearning provides the high performance algorithms for the given function so that the model can be deployed with higher accuracy rate. The usage of IBM watson provides better learning experience to beginners and at the same time it is a powerful model. The usage of Artificial intelligence is increased day by day. Almost 80% of the industries are working with AI and machine learning to improve their product. The scope of AI and Machine learning has been wider. This webinar shows how we can work with IBM watson and deploy machine learning concepts. Some basic concepts like what is neural networks and how it predict data are also discussed.

The session was an eye opener to the researchers and the students. Mr. N. Duraiswamy, Secretary, CSI-Coimbatore Chapter proposed vote of thanks.

