

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



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

**September 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 : **3<sup>rd</sup> September 2020, Thursday**

Time : **7 PM To 8 PM**

Topic : **"Spring Framework"**

Speaker : **Mr. Harish K**  
Final Year, B.E (CSE)  
KPR Institute of Engineering and Technology, Coimbatore

Topic : **"Smart IOT Applications in Education"**

Speaker : **Ms. Nivetha R**  
2<sup>nd</sup> year, M.Sc. (IT)  
PSGR Krishnammal college for Women, Coimbatore

The CSI Students Second Webinar series organized by CSI Coimbatore Chapter was held on 3<sup>rd</sup> September 2020, at 7pm to 8 pm with overwhelming registrations.

The Management Committee Member of CSI Coimbatore Chapter, Dr. R.S. Somasundram welcomed all the participants and introduced the Student Speakers.

## **Spring Framework**

In the first session, a brief introduction on spring framework was given to the participants. PPT presentation on Spring Boot and its features were explained. Object Relational Mapping tools were unfolded to the members of the meeting. A short note on Annotations, Spring Security and how to replace java with spring were deciphered.

A demo on Spring application was delivered. Initially a demonstration on how spring framework works was given. The working of Dependency Injection was shown. This app is totally based on XML configuration. Clear explanation on how to transfer dependency from maven repository to XML configuration was delivered. This application compulsorily requires internet connection for its creation and working. This app doesn't support JSP page directly, so include tomcat jasper from maven repository to XML configuration. JSP page was then Created to show how data were imported from the backend.

The demo on how to connect the database with the newly created web application, configuration for communicating with the database were given. Small discussion on how to

convert a java class into table took place. User data can be given to the UI, once submission is processed the data will automatically be stored in MySQL database. Finally, a crisp demo was given on spring security. The session was a briefing one for the participants to know about a new technology.

### Smart IOT Applications in Education

The second session started with the Definition of IoT-“A dynamic global network infrastructure with self-configuring capabilities based on standard and interoperable communication protocols where physical and virtual “things” have identities, physical attributes and virtual personalities and use intelligent interfaces and are seamlessly integrated into the information network.”

History of IoT and the various Components of IoT were also discussed. This session highlighted on the Applications of IOT in Education with Smart Classroom, Smart School Bus and Students attendance system using RFID.

The session was an eye opener to the researchers and the students. Both the sessions were interactive with vibrant participants. Mr. N.Duraiswamy, Secretary, CSI-Coimbatore Chapter proposed vote of thanks.



