

International Islamic University Chittagong

Department of Computer Science and Engineering



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Course title: Field Work

Report on: Industrial workshop conducted by SCITP

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I did 2 days long workshop on 14&15th June,2019. The workshop was conducted by the Society of Chittagong IT Professionals (SCITP).The workshop's topic was mainly on database & networking.

The first session was on database & software & the second session was on networking .The short summery of my 2-days long workshop is described below:

Database:

In this session the database IT professionals gave us the idea of industrial & professional database management system & how they works. The popular database systems are Oracle, DB2,Informix,Sybase,Sql server & firebase. Among them oracle is mostly used & firebase is mainly used for android.

In the software session we got the idea of Php & Angular JS. The professionals of this field described how to create a web project easily and effectively. They showed us how to make crud & how to apply the knowledge of angular js shortly.

Angular JS:

AngularJS is a JavaScript-based open-source front-end web framework, mainly maintained by Google and by a community of individuals and corporations to address many of the challenges encountered in developing single-page applications. It aims to simplify both the development and the testing of such applications by providing a framework for client-side model–view–controller (MVC) and model–view–view model (MVVM) architectures, along with components commonly used in rich Internet applications. (This flexibility has led to the acronym MVW, which stands for "model-view-whatever" and may also encompass model–view–presenter and model–view–adapter.) In 2014, the original AngularJS team began working on the Angular web framework.

The AngularJS framework works by first reading the Hypertext Markup Language (HTML) page, which has additional custom HTML attributes embedded into it. Angular interprets those attributes as directives to bind input or output parts of the page to a model that is represented by standard JavaScript variables. The values of those JavaScript variables can be manually set within the code, or retrieved from static or dynamic JSON resources.

Networking:

In the networking session the networking professionals tried to give us the basic idea about networking. Here we learnt about the OSI model & many different things which we didn't know before. We learnt that **Cisco** is the worldwide leader in IT, networking, and cybersecurity solutions.

OSI model:

The Open Systems Interconnection model (OSI model) is a conceptual model that characterizes and standardizes the communication functions of a telecommunication or computing system without regard to its underlying internal structure and technology. Its goal is the interoperability of diverse communication systems with standard protocols. The model partitions a communication system into abstraction layers. The original version of the model defined seven layers.

We also learnt about the Zimbra mail server. Zimbra is mail transfer agent.

We also learnt many more things from our workshop. Basically we got the idea of industrial work. Before doing this workshop we had only idea about these topics but we didn't know how they are working and how the environment of any industry. After doing this workshop we got the basic idea of this practically.

The workshop was really good and it'll help us a lot when we'll go for our professional work. Thus, it was indeed a good initiative.