LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)
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Department of Computer Science and Engineering

REPORT
on
A THREE-DAY WORKSHOP
on
"MEAN STACK TECHNOLOGY & Cloud"
In Association with Miracle Software Systems and AP Cloud
(12/Sep/2016 to 14/Sep/2016)

Lakireddy Bali Reddy College of Engineering (A) has organized **A Threee-Day Workshop** on **"MEAN Stack Technology & Cloud"** from **12/Sep/16 to 14/Sep/2016**. This workshop was organized by **Department of CSE** and have received an overwhelming response with more than 180 participants.

Target Audience: III Year Students of CSE & IT

Resource Persons: From Miracle Software Systems, Visakhapatnam

Date: 12/09/2016

Inauguration:

Seminar was inaugurated on 12/09/2016 by **Dr. E.V. Prasad, Director of LBRCE** along with the coordinators **Dr. N. Ravi Shankar, Professor & HOD, Department of CSE** and **Dr. D. Naga Raju, Professor & HOD, Department of IT.**

Mr. Shaik Johny Basha, has welcomed all the delegates and participants to the workshop. In his speech, Mr. Basha has highlighted the main objective and importance of this workshop on trending technology.
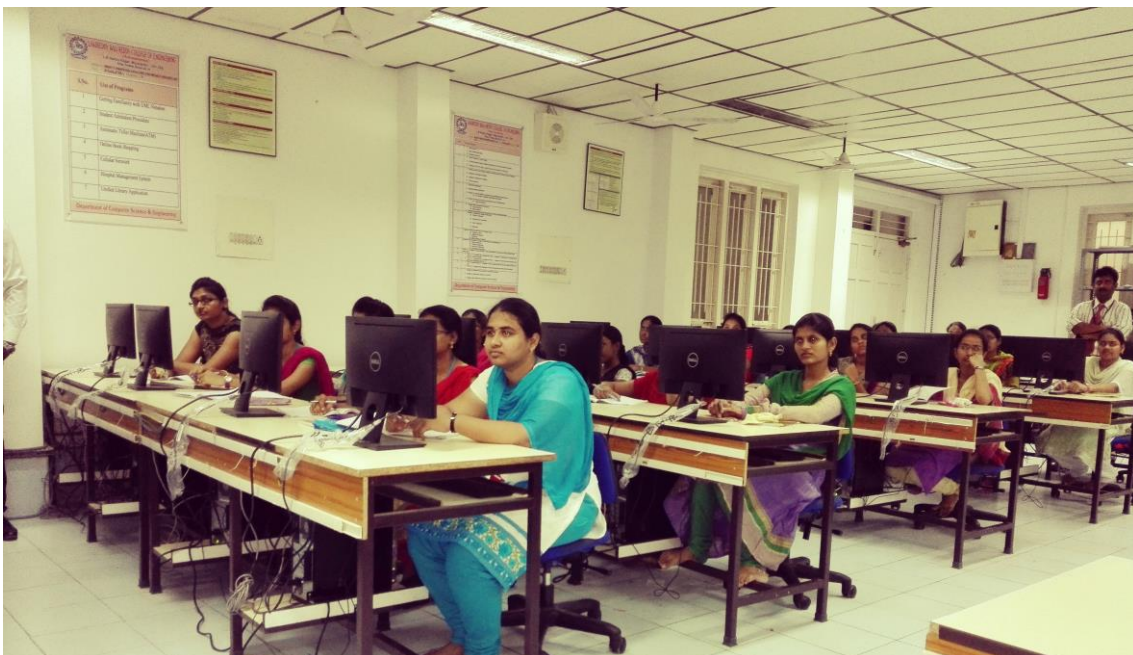
In his Inaugural Speech, **our Director, Dr. E.V. Prasad**, gave his insights about the MEAN Stack Technology and Cloud. And, he added that the technology has been evolved from developing the dynamic websites instead of static websites and responsive web applications with Single Page Application Concept. He requested everyone should get knowledge on this to know how JS is going to rule the future of the web and its related components.
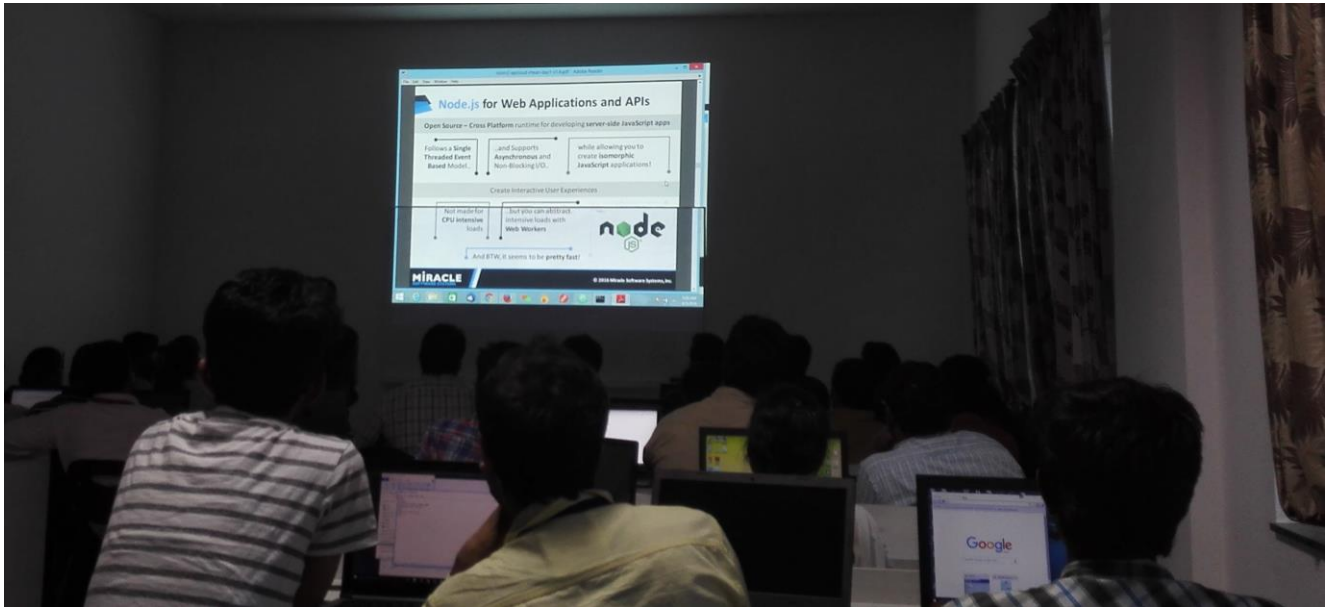
Dr. E.V. Prasad, Director of LBRCE in inaugural of 3-Day Workshop on MEAN Stack

Day 1: 12/09/2016

Our Resource Persons from Miracle Software Systems has started their lecture by giving clear insights on Basics of HTML, what is JavaScript, and how the JS is useful in developing web applications. Then they have discussed about node.js basics and the various features of the node.js. On same day, in hands-on session, they have made the students to install the node.js in their laptop or desktop using npm manager.

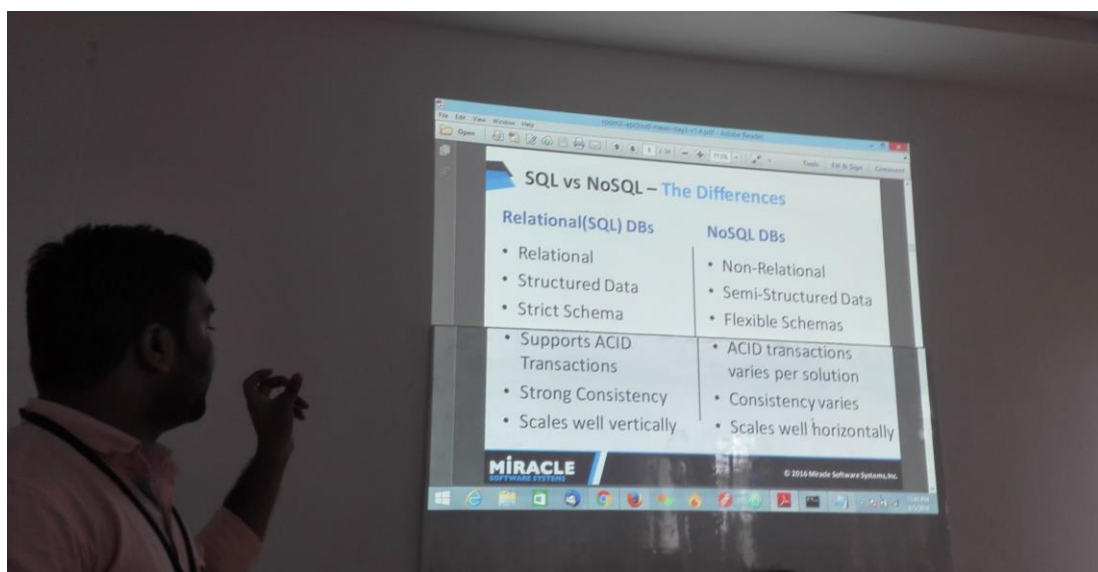**Students in 3-Day Workshop on MEAN Stack Technology & Cloud**

Day 1: Session on node.js

Day 2: 13/09/2016

  Our Resource Persons has started their lecture by giving clear insights on Basics of AngularJS, and how the AngularJS is useful in developing SPA (Single Page Applications). Then they have discussed about node.js basics and the various features of the AngularJS. On same day, in hands-on session, they have made the students to create a sample application that performs various CRUD operations.

  In the second session, they have taught the students how the ExpressJS provides the simple and beautiful interface for handling the endpoint requests and cookies. Also, they have discussed about differences among SQL and NoSQL Databases. In the hands-on session, MongoDB has been installed in the laptops or desktops, and have done the CRUD operations on MongoDB using queries.

Day 2: Session on AngularJS and MongoDB

Day 3: 14/09/2016

      Our Resource Persons has started their lecture by giving clear insights on what is cloud computing, what are the different services offered by cloud, how we can store data in cloud. Also, they have shown a piece of Raspberry Pi and discussed the benefits of IoT in the future and demonstrated the example of how we can store data in the Cloud using Raspberry Pi.

Day 3: Raspberry Pi and using Raspberry Pi to Store data in Cloud

<u>Valedictory Session:</u>

On the Valedictory Session, **CSE HOD, Dr. N. Ravi Shankar**, **and IT HOD, Dr. D. Naga Raju** joined the session as a Chief Guest along with the coordinators and resource persons.

Dr. N. Ravi Shankar, CSE HOD in his valedictory addressing, thanked every student who participated in this workshop and **our Resource Persons from Miracle Software Systems and APCloud** for taking their time to our workshop and sharing their valuable knowledge with our students. Also, he congratulated the coordinators for organizing the workshop in a successful manner. Further, he appreciated all the Teaching and Non-Teaching Staff Members of CSE / IT Departments for promoting such kind of development programme for the students. He also motivated the students about how to keep learning new technologies coming in future for their personal career growth as well as organizational growth.
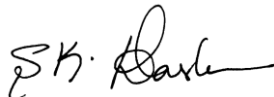
Dr. D. Naga Raju, IT HOD in his valedictory addressing, thanked the APCloud and Miracle Software Systems Team for taking out their time and sharing their valuable insights on trending technology with our students. And also he requested every student who participated in this workshop to make a use of this session by practicing after the college hours and requested to develop a small website using MEAN Stack Technology.

At the end of the valedictory session, vote of thanks was given by **Mr. Shaik Johny Basha,** in which he has been paid his gratitude towards all the participants who has spared their valuable time for attending this seminar. He also expressed the gratitude to our Resource Persons for giving their valuable time for our participants and sharing his knowledge to them.

Nevertheless, he has given thanks to our Director, Dr. E.V. Prasad and Dr. N. Ravi Shankar, HOD, CSE Department and Dr. D. Naga Raju, HOD, IT Department, "We are highly thankful to the Director and Head of the Departments for giving us a chance to organize this workshop in our campus and hope we will find the support in future also for organizing such kind of activities."

<u>Feedback from the Participants:</u>

The feedback of the participants was very positive and motivational for the organizers. The participants felt very happy for conducting the workshop on latest trends in Industry. They have learned a lot on MEAN Stack and Cloud in both theoretical and practical manner. They said that this program was very useful and helpful for them in their projects and career also. All the participants appreciated the sessions by our Resource Persons and the arrangements made by the organizers.

Coordinator   **Head of the Department, CSE**   **Director**

(Mr. Sk. Johny Basha)   **(Dr. N. Ravi Shankar)**   **(Dr. E.V. Prasad)**