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**Dr. H.D. Phaneendra**  
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Dept. of CSE

**Dr. K. Raghuveer**  
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Dept. of ISE

**Mr. H.P. Girish**  
Associate Professor & Head  
Dept. of MCA

**Dr. Yuvaraju B.N.**  
Professor, Dept. of CSE  
TEQIP III Nodal Officer



### Conveners

**Dr. Anitha C**  
Assistant Professor  
Dept. of Computer Science & Engineering

**Ms. Bhat Geetalaxmi Jayaram**  
Associate Professor  
Dept. of Information Science & Engineering

### Co-ordinators

**Mr. Narender M**  
Assistant Professor  
Dept. of Computer Science & Engineering

**Ms. Lavanya M.C.**  
Assistant Professor  
Dept. of Information Science & Engineering

### Resource Person

**Ms. Sunitha**  
Director - IT Services  
SP Tech Pvt. Ltd., Bengaluru

Intended participants:  
**VI semester CSE & ISE students**  
No. of participants: **60 (max)**  
(First-come-first-serve basis)

For Registrations/queries:  
Mr. Narender M  
Mob: 9945072601



A World Bank - MHRD Project

## TEQIP - III Sponsored Three Day SDP on **Building Dynamic Web Apps using AngularJS**



**1<sup>st</sup> March to 3<sup>rd</sup> March, 2018**

Organised by  
**Computer Science Division**  
**The National Institute of Engineering**  
(An Autonomous Institute under VTU, Belgavi)  
Mysuru





## The National Institute of Engineering

The National Institute of Engineering (NIE), one of the oldest private engineering colleges of the country, was started in the year 1946. Today NIE stands at the 28th position among India's top 100 Engineering Colleges that include IITs and NITs and 2nd in Karnataka. Approved by the All India Council for Technical Education (AICTE), New Delhi, NIE is a grant-in-aid institution and is accredited by the National Board of Accreditation, New Delhi.

It is one of the 14 colleges in Karnataka state that has been recognized under Ministry of Human Resources Development-World Bank sponsored Technical Education Quality Improvement Programme (TEQIP).

It is also a recognised QIP Research Centre of AICTE. NIE offers 7 Bachelor, 11 Master's and 5 Post-graduate Diploma programmes and has 13 Centres of Excellence. The student strength is about 3500. Many funded research projects of Central and State Governments, VTU, ISRO and McMaster University amounting to about Rs. 700 lakh are presently carrying out at NIE.

### About Computer Science Division

Computer Science Division has three

departments: Computer Science & Engineering(CSE), Information Science & Engineering(ISE) and Master of Computer Application(MCA).

**CSE:** The Department of Computer Science & Engineering, was started in the year 1983 with BE programme. It has grown by leaps and bounds over the last three decades in terms of infrastructure, courses and faculty. The department has received the World Bank grant under TEQIP which has been utilised for enhancing the facilities of the department and also for the faculty development programmes.

**ISE:** The department of Information Science & Engineering was started in the year 1999 with BE Programme to meet the shortage of IT Engineers. The department has produced IT engineers who are serving in different organization. The department provides state-of-the-art computational facilities. The strength of the department has been in its diverse areas of research in which it has made a remarkable contribution.

**MCA:** The Department of Master of Computer Application, was started in the year 1997. The department offers Post Graduate courses in Master of Computer Application and M.Tech in Computer Network Engineering. The department has a policy of providing training and education related to industry trends and requirements in which a strong focus is given to student's academic performance and overall personality development.

### Objective:

To get a firsthand feeler on AngularJS which is a structural framework for building dynamic web applications.

Outcome:

1. To build dynamic web apps, which extends the functionality of HTML by creating new constructs with Angular directives.
2. To use AngularJS built-in features for animation, http service, and materials which in turn has features such as auto-complete, navigation, toolbar, menus, etc.
3. To effectively abstract DOM (Document Object Module) manipulation and embedding directly into HTML template.

### About AngularJS

AngularJS is a full featured JavaScript framework, with the core goal of simplification. It excels at building dynamic, single page web apps (SPAs) and supports components/services programming structure. It powers sites include Google, Virgin America, and HBO's mobile site for iPad.

### Highlights:

- Open-source, front-end JavaScript framework developed by Google
- A library of JavaScript code based on standard JS and HTML, with minimal modifications (meaning, it's less likely to break)
- Handles the heavy lifting of DOM manipulation and AJAX glue that once had to be coded from scratch
- Encourages the developer to use modular building blocks of JavaScript code that can be categorized and are easy to test
- Can be added to any HTML page with a `<script>` tag