



Sub Committee - Specialization for Curriculum Development

Post Graduate/ Under Graduate

Course Title: Advance Web Scripting

Course Code:

Number of Credits : 4

Level : 3

Learning Objective/Outcome (s): After completion of this course students are able to

- Create the dynamic Web pages using jQuery
- Understand MVC architecture of Angular js
- Learn controllers of Angular js
- Design web pages using Angular js
- Understand the Node js framework
- Apply Node js module

Pedagogy:

- Lectures
- Class Discussion
- Lab Session

Pre-learning:

- Web Application development
- HTML, CSS
- JavaScript

Course Outline:

Sr.No.	Topics	Hours
1	Introduction to jQuery, Selectors, Traversal functions, HTML element manipulation, Effects, events, AJAX and jQuery	12
2	Introduction to Angular JS, advantages, execution flow	3
3	MVC , Angular expressions, Filters	9
4	Directives: Introduction, Built in directives, Machine directives, custom directives	6
5	Controllers , Modules	12

6	Angular JS Forms	6
7	Introduction to Node JS Node JS Module, Node Package Manager, Creating web server	12
	Total	60

Books Recommended:

1. Learning jQuery by Jonathan Chaffer, Karl Swedberg, Packt publishing.
2. Pro AngularJS (Expert's Voice in Web Development) by Adam Freeman, Apress publication.
3. Learning AngularJS by Brad Dayley, Addison Wesley publication.
4. Beginning Web Application Development with Node by Ambily K K

Suggested Assessment/ Evaluation Methods

On line Test
Lab Examination
Viva
Mini Project

Benchmarked against similar courses in other national/ international universities / organizations:

S. No.	Name of the Course	Name of University where it is offered
1	Advance Web development	University of Phoenix, Arizona, US
2	Scripting Language Programming	RMIT, Australia

Name of Members	Mr. Shrikant Mapari				
Designation	Asst. Professor				
Org. / Inst.	SICSR				
Signature					

Name of Experts					
Designation					
Org. / Inst.					
Signature					

Signature of Dean:

Date: