



Department of Computer Science & Engineering

Report on Five Days SDP on “AngularJS and NodeJS”

NAME OF THE DEPARTMENT: Department of Computer Science & Engineering

1. Type of Event : SDP on AngularJS and NodeJS
2. Resource Person : Mr. Nishanth Hipparagi,
Product Manager
Webok Solutions
4. Date of the Event : 08th to 12th Jan 2024
5. Faculty Coordinators : Sunil.A.,
Assistant Professor
Department of CSE
RajaRajeswari College of Engineering,
Bengaluru 560074

Rashmi.B.R
Assistant Professor
Department of CSE
RajaRajeswari College of Engineering
Bengaluru 560074

M.Supraja.
Assistant Professor
Department of CSE
RajaRajeswari College of Engineering
Bengaluru 560074

6. Students attended: 5th Semester of Computer Science & Engineering

7. Venue: APJ Abdul Kalam Conference Hall

8. Outcome of the programme:

Students gained information about the following:

- a. Gain the knowledge about Java Script.
- b. Gain knowledge about Advanced Java Programming
- c. Worked on the programs as per VTU 5thSem Syllabus..
- d. Skills development in Writing a programme using Java Script.
- e. Practical implementation of Core and Advanced Java Programming concepts.



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RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu, Bangalore -74.

Ph. No: 080-28437124, 28437375 Fax: 080-28437373

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~INVITATION~

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(Chairman, RR Group of Institutions)

Sri. A.C. S. Arunkumar

(Vice Chairman, RR Group of Institutions)

Patrons:

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(Executive Director, RR Group of Institutions)

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(Special Officer, RR Group of Institutions)

CO-Patrons:

Dr. A.K.Mariappan,

(Rector, RR Group of Institutions)

Dr. R. Balakrishna

(Principal, RRCE)

Organizing Secretary:

Dr. S Usha

(Prof. & HOD-CSE)

SDP Coordinators:

Sunil A, Asst. Prof, Dept of CSE

Rashmi B R, Asst. Prof, Dept of CSE

Supraja M, Asst. Prof, Dept of CSE

*Invitation
for
Five Days*

*Student Development
Program*

On

“AngularJS and NodeJS”

(8/01/2024)

Venue: APJ ABDUL KALAM HALL

Time: 09:00 AM



About the Speaker

NISHANT HIPPARAGI

Speaker Description

- He was done his B.E in Visvesvaraya Technological University
- Working as Education Consultant & Student Mentor in BLDEA's College of Engineering from 2019 to Present.
- Working as Product Manager in Webok Solutions from 2019- Present
- Worked as a Project Manager in Wipro From 2021 to 2022
- Worked as Program Analyst Trainee in Cognizant Technology Solutions from 2020 to 2021.
- Trained Students in Aptitude, problem solving and DSA
- 4 Years industry experience
- Work history back ground:
- As a program analyst Trainee, He used to take Java full stack development, Web design and database design and developed a vehicle management system.

Speaker Name: *NISHANT HIPPARAGI*

Speaker Qualification: BE

Designation: Product Manager, Webok Solutions

Work Experience: 4 years



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Geotagged Photos of the SDP

Guests are on the dais





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Observation report of the students

Mr. Rohith A T(1RR21CS129) and Mr. Bharadwaj M (1RR21CS023)

Learnt the Following Concepts.

Introduction to HTML & Node Js

- HTML Basics, Elements, Attributes, Styles
- Forms, Form Elements, Input Element Types
- Input Attributes, File Paths, the Script tag
- HTML & XHTML
- Introduction to Node JS
- Introduction to Node JS
- Advantages of Node JS
- What is Node JS, Node.js Process Model
- Traditional Web Server Model

Introduction to CSS & Node JS Modules

- CSS Introduction, Syntax, Selectors, Styling
- Pseudo class, Pseudo Elements
- CSS Tables, CSS Box Models
- CSS Opacity, CSS Navigation Bar, Dropdowns
- Functions, Buffer, Module
- Modules Types
- Core Modules, Local Modules
- Modules Exports

Introduction to JavaScript & Node Package Manager

- JavaScript Statements, Keywords, Functions
- JavaScript Programs, Operators, Functions
- Function Parameters, Function Return Types
- Data Types, Primitive Types
- What is NPM, Installing Packages Locally
- Installing package globally
- Adding dependency in package JSON
- Updating packages

Working with Objects & Creating Web Server

- Object-Oriented Programming, Object Creation
- Adding Methods of Objects
- JavaScript Loops & Iteration
- Adding Properties of Objects
- JavaScript Conditional Statements
- Enumerating Properties, Callbacks, JSON
- Creating Web Server
- Sending Requests
- Handling HTTP requests



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Angularjs Basics & File System

- What is AngularJS?
- Why AngularJS?
- Why MVC matters
- MVC-The AngularJS way
- Features of AngularJS, Model-View-Controller
- My First AngularJS app
- read File, Writing a File
- Opening a file, Deleting a file
- Writing a file asynchronously
- Other IO Operations

Angular Expressions & Database Connectivity

- All about Angular Expressions
- How to use expressions, Angular vs JavaScript
- Connecting String, Configuring
- Updating Records
- Working with Select Command
- Deleting Records

Filters & Serving Static Resources

- Built-In Filters, Using Angularjs Filters
- Creating Custom Filters
- Serving Static Files
- Working with Middle Ware

Directives & Express JS

- Introduction to Directives, Directive Lifecycle
- Binding controls to data, Matching directives
- Using AngularJS built-in directives
- Creating a custom directive
- Configuring Routes
- Working with Express

Controllers & Events

- Role of a Controller, Controllers & Modules
- Attaching Properties and functions to scope
- Nested Controllers, Using Filters in Controllers
- Controllers in External Files
- Event Emitter class
- Inheriting Events
- Returning event emitter

AngularJS Modules & Debugging Node JS Application

- Introduction to AngularJS Modules
- Bootstrapping AngularJS
- Core Node JS Debugger, /li>

AngularJS Forms



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- Working with Angular Forms, Model Binding
- Forms Events, Updating Models with a Twist
- Form Controller, Validating Angular Forms
- Serror object

Scope

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- What is scope, Scope Lifecycle
- Scope Inheritance, Scope & Controllers
- Root scope, Scope Broadcasting
- Two-way data binding, Scope Inheritance
- Scope & Directives, Sapply and Swatch
- Scope Events

Dependency Injection & Services

- **What is Dependency Injection**
- Creating Services, Factory, Service & Provider
- Using Dependency Injection, What are services
- Using AngularJS built-in services

Single Page Application (SPA)

- What is the SPA, Pros, and Cons of SPA
- Passing Parameters, Changing the location
- Installing the ngRoute module, Configure routes
- Resolving promises, Creating a Single Page Apps

AngularJS Animation

- ngAnimate Module, CSS Transforms
- CSS Transitions, Applying Animations



Conclusion:

Students Development program can help the students understand to learn various Concepts of Angular JS and NodeJS.

It can also provide students with practical knowledge to implement programming constructs.

This can help students to make use of HTML and CSS.

The best thing you can do for yourself is to take it easy-Graduation is just another stepping stone in life. By graduating you have accomplished a lot more than many others managed to achieve by the time they were your age.

Take your time and explore your options- there is an endless plenty of possibilities in front of you when it comes to career development.



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Attendance

Sl. No.	USN	NAME	8/1/2024		8/2/2024	
			FN SIGNATURE	AN SIGNATURE	FN SIGNATURE	AN SIGNATURE
1	1RR21CS001	ABHAY ANANT KULKARNI	<i>[Signature]</i>		<i>[Signature]</i>	
2	1RR21CS002	ACHYUTH S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3	1RR21CS003	ADITHI NAGARAJ NAYAK	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4	1RR21CS004	ADITHYAN K S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
5	1RR21CS005	AKASH GOWDA AV	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6	1RR21CS006	AKSHAI L Z	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
7	1RR21CS007	AMARESHWAR	<i>[Signature]</i>	<i>[Signature]</i>		
8	1RR21CS008	ANILYA M R	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9	1RR21CS009	ANAND RAO K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10	1RR21CS010	ANJALI SHARMA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11	1RR21CS011	ANKITHA K V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
12	1RR21CS012	ANKITHA S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
13	1RR21CS013	ANSHUMAN ANSHU				
14	1RR21CS014	ARJUN GOWDA B C	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
15	1RR21CS015	ARKAN UL REHMAN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
16	1RR21CS016	ASHWIN S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
17	1RR21CS017	ASHWIN S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
18	1RR21CS018	ATHAR GULZAR	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
19	1RR21CS019	B G SHARATH	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
20	1RR21CS020	B HASHWIN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>



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21	1RR21CS001	BETTAD SATISH	Satish	Satish	Satish	Satish
22	1RR21CS002	BHAGYAMBREE METI	Bhagyaambree	Bhagyaambree	Bhagyaambree	Bhagyaambree
23	1RR21CS003	BHARADWAJ M	Bharadwaj	Bharadwaj	Bharadwaj	Bharadwaj
24	1RR21CS004	BHARATHI D V	Bharathi	Bharathi	Bharathi	Bharathi
25	1RR21CS005	BHARATHISHA K S	Bharathisha	Bharathisha	Bharathisha	Bharathisha
26	1RR21CS006	BHARJANA K K	Bharjana	Bharjana	Bharjana	Bharjana
27	1RR21CS007	BHAVANA HR	Bhavana	Bhavana	Bhavana	Bhavana
28	1RR21CS008	BHAVANI SHREE CG	Bhavani	Bhavani	Bhavani	Bhavani
29	1RR21CS009	BHUNIAN N	Bhunan	Bhunan	Bhunan	Bhunan
30	1RR21CS011	BOPANNA MD	Bopanna	Bopanna	Bopanna	Bopanna
31	1RR21CS012	CHANDAN KUMAR C K	Chandan	Chandan	Chandan	Chandan
32	1RR21CS013	CHANDANA S	Chandana	Chandana	Chandana	Chandana
33	1RR21CS014	CHENDAN A	Chendan	Chendan	Chendan	Chendan
34	1RR21CS015	CHITHAN R	Chithan	Chithan	Chithan	Chithan
35	1RR21CS016	CHINMAY C	Chinmay	Chinmay	Chinmay	Chinmay
36	1RR21CS017	CHIRANTHA S	Chirantha	Chirantha	Chirantha	Chirantha
37	1RR21CS018	PARMARAM	Parmaram	Parmaram	Parmaram	Parmaram
38	1RR21CS019	DEEKSHITHA BK	Deekshitha	Deekshitha	Deekshitha	Deekshitha
39	1RR21CS020	DEEKSHITHA H	Deekshitha	Deekshitha	Deekshitha	Deekshitha
40	1RR21CS041	DEEPA M	Deepa	Deepa	Deepa	Deepa
41	1RR21CS042	DEEPA MN	Deepa	Deepa	Deepa	Deepa
42	1RR21CS043	DEEPTHI K	Deepti	Deepti	Deepti	Deepti
43	1RR21CS044	DEEPTHI K N	Deepti	Deepti	Deepti	Deepti
44	1RR21CS045	DEEPTHI S	Deepti	Deepti	Deepti	Deepti
45	1RR21CS046	DEEPTHI VC	Deepti	Deepti	Deepti	Deepti
46	1RR21CS047	DHANUSH P	Dhanush	Dhanush	Dhanush	Dhanush
47	1RR21CS048	DHARANI C	Dharani	Dharani	Dharani	Dharani



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Roll No.	Name	1	2	3	4	5	6	7	8	9	10
155	SATISH B S										
156	SHAGIANE L										
157	SHASHANK P GOWDA										
158	SHIBU JAL C										
159	SHIVA KUNAR R										
160	SHIVA PRIYA V										
161	SHIVAPRABHU S										
162	SHREYA S										
163	SHREYA S DIXIT										
164	SHROHITHI M										
165	SIDDHANTHI K										
166	SINCHANA D C										
167	SINCHANA R										
168	SINDHU M D										
169	SNEHA P										
170	SONY THOMAS K J										
171	SOLISANA										
172	SOMNIA B										
173	SOWMYA P L										
174	SRI RAKSHA S										
175	SRI RAKSHA S										
176	SUCHITHA JAIN										
177	SUDARSHAN V R										
178	SUPRAKASHI SANTRA										
179	SUPRITH B K										
180	SURAVI P S										
181	SWAROOP PATIL										
182	SWASTHIK										
183	TANYA B L										
184	TARUN B										
185	TEJAS G S										
186	TEJAS K										
187	TEJAS SHETTY V G										
188	TITHI JANA										
189	UMESH K H										
190	UMMER MAJEED SHAH										
191	UTKARSH KUMAR SINGH										
192	VABHAVI N										
193	VANDANA C S										
194	VARSINA BM										
195	VARSINA K Y										
196	VIDYA P NAIK										
197	VINOD										
198	VISHWAS S										
199	VISHWAS V										
200	VRUSHABHA RAJENDRA ON										
201	YASHASWINI S										
202	YATHISI GOWDA B E										
203	YESHASWINI R										
204	YUKTHA C G										
205	PRASHANT										
206	PRİYANKA PORE										
207	REDDY SUPRAJA M R										
208	SANJAY T										
209	SHIVARAJ M NEKAR										
210	TARUN S										

