

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE

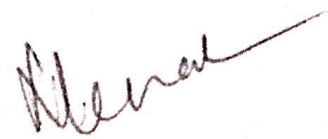
MEAN STACK

DATE: 19.09.2022 TO 24.9.2022

2010-2024 BATCH

No. of Participants: 35


Coordinators


HoD-CSE



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

Guidelines for Value-Added Courses:

1. Academic Year : 2022 - 2023
2. Regulation : R2020
3. Department Name : Department of Computer Science and Engineering
4. Name of the Value-added course : MEAN Stack
5. No. of Credits :
6. Category : ~~Theory/Lab/Hands-on/Skill-based etc~~
7. Name and Details of the Joint-organization (industry/NGO etc) if any:
: VEI Technologies Pvt Ltd Chennai
8. Resource person details : Dr.B.Ezhilavan Ms.Shobana
VEI Technologies Pvt.Ltd, Chennai
9. Three Member Committee details: Dr. R. Muthuselvi, Dr. G. Nirmala,
Dr. P. Praveen Kumar
10. VAC Coordinator Details : Ms. T. Rajashree, Ms. G. Vijayalalitha,
Mrs Ignatius Selvarani.X
11. Duration (30 h mandatory) : 45 hours
12. Period (From-To) : 19.09.2022 to 24.09.2022
13. Venue : Information Systems Lab

Guidelines / Assessment of VAC:

1. Internal 40 Marks. Preferably Assignments such as mini projects, presentations, worksheets, etc.
2. External 60 Marks. MCQs type.
MCQs Type question paper pattern : Part A – 30 x 1 = 30 Marks
Part B – 15 x 2 = 30 Marks
Total (IM + EM): 100 Marks
Passing Criteria: 50 Marks
No revaluation and no re-exam will be entertained.
3. Mode of External Exam: Online proctored mode
4. Duration of the Exam: 1 h 30 min

KAMARAJ

COLLEGE OF ENGINEERING & TECHNOLOGY



(An Autonomous Institution - Affiliated to Anna University, Chennai)

S.P.G. Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K. Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

Submitted to the SECRETARY for approval through the PRINCIPAL

Book No.

CSE

Date 12/08/2022

SL.No. 38

Approval may please be granted to conduct Value Added Course (VAC) on "MEAN STACK" for III CSE and III ADS students (35 students).
45 hour training - 19/09/2022 to 24/09/2022 (6 days)


Details Budget enclosed.

VEI Technologies, Chennai.

Ph: 9790197080

Enclosed Quotation. Fees per student - Rs 1000/-


Signature of Faculty


HOD


PRINCIPAL

OFFICE USE

- 1) Account Head :
- 2) Budget allotted :
- 3) Amount committed / Spent sofar :
- 4) Balance available :

Value added Courses
Rs. 1,000/- per student


OM

Treasurer


Secretary

Department of Computer Science and Engineering
VALUE ADDED COURSES

Circular

The Department of Computer Science and Engineering is planned to organize the following value added courses associated with the industries for third year B.E. CSE and B.Tech ADS during 19-09-22 to 24-09-22.

Objective:

- To build technical skill of the students

Course Outcome:

- Able to enhance the technical knowledge through which the students will fine-tune their career prospect, improve preparedness for campus placement and gain competitive edge.

The following course are planned to be conducted.

S.NO	Date	Name of course
1	19-09-2022 to 24-09-22	Data Visualization using Tableau
2	19-09-2022 to 24-09-22	MERN Stack
3	19-09-2022 to 24-09-22	Devops
4	19-09-2022 to 24-09-22	MEAN Stack


VAC Coordinator


HoD-CSE



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Value Added Course on “MEAN STACK”

SEPTEMBER 19 to 24 – 2022

MEAN STACK

45 hours

Objectives

- To introduce web applications using HTML, CSS ,Boot strap and Java Script
- To perform schema design in Mongo DB
- To route parameter and queries using Express JS
- To perform data binding using Angular JS
- To execute scripts using NODE JS

Unit 1: UI development

9 hours

Front-End Introduction- Client-server architecture- HTML- CSS- CSS Box Model- Javascript- JS Operators- JS Validations- Bootstrap- Bootstrap Setup- Bootstrap grids- Bootstrap buttons, forms, navigation bars

Unit 2: Mongo DB

9 hours

Design Goals, Architecture, and Installation-CRUD Operations-Functional usage of CRUD-Read / Write Operations with CRUD-Schema Design and Data Modelling-Schema Design and-Data Modelling in MongoDB-VariouS Data Structure and Tools to Manage Data Model in MongoDB

Unit 3: Express JS

9 hours

An Intro to Express JS-Routing- Setting Up Router-Route Parameter and queries-HTTP Interaction-Handling ForM Data-Handling Query Parameters-Error Handling-Creating and Consuming RESTful Services-Using Templates-The Model-view-controller pattern-Using REST-How Node.JS connects to databases-RDBMS databases and NoSQL databases-Connecting to RDBMS and NoSQL databases

Unit 4: ANGULAR JS

9 hours

AngularJS architecture overview-The Angular Batarang-Using Karma-Get Setup-Angular Seed Tour-Data Binding-Wiring up a controller-Binding-Forms binding and validation-Services and DI-Overview of the built-in AngularJS services-Using angular's http and \$resource services-Promises

Unit 5: Node JS

9 hours

Introduction to the Node JS framework- Installing NodeJS-Using NodeJS to execute scripts-The Node Package Manager-The HTTP protocol-Building an HTTP server-Rendering a Response-Using Representational State Transfer-Express Framework-Performing CRUD operations-The NodeJS framework-Installing NodeJS-Mongoose and its uses-Redux Setup & Alerts

OUTCOMES

At the end of the course, the students will be able to:

CO1 : Build a web applications using front end tools

CO2 : Use Mongo DB for design and modelling

CO3 : Build route parameters and queries using Express JS

CO4: Make use of Angular JS services for data binding

CO5 : Use of Node JS to connect to databases



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MINUTES OF THE MEETING OF 5th BOARD OF STUDIES MEETING HELD ON 24-09-2022 AT - 09.30 AM TOWARDS CONSIDERING THE CURRICULUM R2021-UG AND SYLLABI (VII SEMESTER TO VIII SEMESTER) OF R2020-UG PROGRAMME & SECOND YEAR CURRICULUM AND SYLLABI (III SEMESTER TO IV SEMESTER) OF R2021.

Mode of Meeting: Hybrid Mode (Both Physical and online) Venue: CSE Conference Hall – I

Recording Link: [https://kctvnrorg-](https://kctvnrorg-my.sharepoint.com/:v/g/person/anandhcse_kamarajengg_edu_in/EY_SZfhaq_hCmu9ZfEliikkB1jn5RslhtwAd2pBH6MoQ3A?e=s6Yu2u)

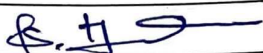





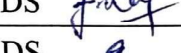

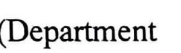
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Dr. A. Meenakshi, HoD (Department of Computer Science and Engineering) welcomed all the members of the Board of Studies and Faculty members of CSE Department to the 5th BOS meeting. The following members were present:

Sl. No.	Name of the Expert	Designation	Capacity	Mode of presence
1.	Dr. P. Chitra	Professor & Head/Computer Applications and Computer Science and Business Systems, Thiagarajar College of Engineering, Madurai, pccse@tce.edu Phone No:9944976549	Anna University Nominee	Physical
2.	Dr.R.B.V.Subramaanyan	Professor and Head, Department of Computer Science and Engineering, National Institute of Technology, Warangal E-mail ID: rbvs66@nitw.ac.in Phone No: 9491346969	Academic Council nominated BoS Expert Member	Online

3.	Dr.Sabu M.Thampi	Professor, School of Computer Science & Engineering (SoCSE), Technocity Campus, Trivandrum-695317, Kerala State, India. E-mail ID: sabu.thampi@iitmk.ac.in Phone No: 9447103005	Academic Councilnominated BoS Expert Member	Physical
4.	Mr.G.S.Raman	Director, Training Division, Sri Moogambikai Infotech Solutions, Madurai raman.g@mookambikainfo.com ramansriranga@gmail.com Phone No: 8870324388	Industrialist	Physical
5.	Dr.R.Venkatesan	Associate Professor, CSE, Karunya University, Coimbatore rlvenkei2000@karunya.edu Phone No: 98948 80563	Alumni	Physical

Internal Members of BoS – Faculty members of CSE & AI & DS		
S. No.	Name	Designation
1.	DR.A.Meenakshi	Professor and Head
2.	Dr.R.Ramya	Associate Professor / CSE UG (B. E. CSE) Programme Co-ordinator
3.	Dr.A.Anandh	Associate Professor / CSE UG (B. Tech. AI &DS) Programme Co-ordinator
4.	Mrs.S.Athilakshmi	Assistant Professor / CSE
5.	Mr.B.Muthukrishnavinayagam	Assistant Professor / CSE
6.	Mrs.K.Muthulakshmi	Assistant Professor / CSE
7.	Dr.G.Nirmala	Assistant Professor / CSE
8.	Ms.S.Janani	Assistant Professor / CSE
9.	Mrs.K.Leelarani	Assistant Professor / CSE
10.	Ms.G.Vijayalalitha	Assistant Professor / CSE
11.	Mr.M.Rajasekaran	Assistant Professor / CSE
12.	Mrs.P.Kavitha	Assistant Professor / CSE
13.	Dr.G.Mahalakshmi	Assistant Professor / CSE
14.	Dr.G.Uma Maheshwari	Assistant Professor / CSE
15.	Mr.V.Rajesh Kannan	Assistant Professor / CSE
16.	Mrs.X.Ignatius Selvarani	Assistant Professor / CSE
17.	Mrs.S.Soundariya	Assistant Professor / CSE
18.	Mrs.Sangeetha	Assistant Professor / CSE

19.	Ms.S.Hemaswathi	Assistant Professor / CSE	
20.	Mrs.B.Santhi Priya	Assistant Professor / CSE	
21.	Mr.D. Asir	Assistant Professor / CSE	
22.	Ms.Jothi Lakshmi.S	Assistant Professor / CSE	
23.	Dr P Praveen Kumar	Assistant Professor / AI & DS	
24.	Mrs K Indumathi	Assistant Professor / AI & DS	
25.	Ms T.Rajashree	Assistant Professor / AI & DS	
26.	Mrs J Lavanya	Assistant Professor / AI & DS	
27.	Ms S Shopika	Assistant Professor / AI & DS	

After the brief introduction by Dr.A.Meenakshi, HoD (Department of Computer Science and Engineering) about the expert members, industrialist, alumni, faculty from the Department of Computer Science and Engineering, and the agenda items were taken up for discussion. The discussion started with R2021 UG Programme curriculum and syllabi of B. E. Computer Science and Engineering, Verticals and list of courses, Open Electives (offered to other departments), R2020 UG Programme curriculum and syllabi of IV Year (7th and 8th Semester) B.E. Computer Science and Engineering, updation in syllabus – M.E. Computer Science and Engineering and then continued with the suggestions and recommendations received from all BOS members.

Discussions:

BOS 005.01

HoD / CSE gave a brief presentation about overview of the Department.

BOS 005.02

Dr.A.Meenakshi presented the proposed R2021 curriculum of B.E(CSE)

S. No.	Course Title	Category	PERIODS PER WEEK			Credits
			L	T	P	
THEORY						
1	Technical English	HS	3	0	0	3
2	Matrices and Differential Calculus	BS	3	1	0	4
3	Engineering Physics	BS	3	0	0	3
4	Engineering Chemistry	BS	3	0	0	3
5	Principles of Engineering	BS	3	0	0	3
6	Coding Techniques - I	EEC	3	0	0	3
	Scientific Thoughts in Tamil	AUD	1	0	0	1*
PRACTICALS						

7	Physics Laboratory	BS	0	0	3	1
8	Mathematics Laboratory	BS	0	0	2	1
9	Coding Techniques - I Laboratory	EEC	0	0	3	1
	Total Credits		17	1	13	23

SEMESTER II

S.NO.	COURSE TITLE	CATEGORY	PERIODS PER WEEK			CREDITS
			L	T	P	
THEORY						
1	Professional English	HS	3	0	0	3
2	Vector Calculus, Complex Integration and Laplace Transforms	BS	3	1	0	4
3	Renewable Energy Sources	BS	3	0	0	3
4	Engineering Graphics	ES	2	0	3	3
5	Environmental Science and Engineering	BS	3	0	0	3
6	Coding Techniques – II	EEC	3	0	0	3
PRACTICALS						
7	Chemistry Laboratory	BS	0	0	3	1
8	Coding Techniques - II Laboratory	EEC	0	0	3	1
9	Engineering Practices Laboratory	ES	0	0	4	2
Total Credits			17	1	13	23

SEMESTER III

S.NO.	COURSE TITLE	CATEGORY	PERIODS PER WEEK			CREDITS
			L	T	P	
THEORY						
1	Linear Algebra and Boundary Value Problems	BS	3	1	0	4
2	Computer Organization and Architecture	PC	3	0	0	3
3	Data Structures using Python	PC	3	0	0	3
4	Object Oriented Programming using Java	PC	2	0	2	3
5	System Software and Operating Systems	PC	3	0	0	3
6	Digital System Design and Microprocessors	ES	3	1	0	4
7	Audit Course	AUD	3	0	0	3*
PRACTICALS						
8	Data Structures using Python Laboratory	PC	0	0	3	1
9	Digital System Design and Microprocessors Laboratory	ES	0	0	4	2
Total Credits			19	2	9	23

SEMESTER IV

S.NO.	COURSE TITLE	CATEGORY	PERIODS PER WEEK			CREDITS
			L	T	P	
THEORY						
1	Discrete Mathematics and Probability	BS	3	1	0	4
2	Database Management Systems	PC	3	0	0	3
3	Design and Analysis of Algorithms	PC	3	0	0	3
4	Artificial Intelligence	PC	3	0	0	3
5	Software Engineering with UML Design	PC	3	0	0	3
6	Design Thinking	ES	3	0	0	3
7	Scientific Thoughts in Tamil ***	AUD	1	0	0	1*
8	Aptitude	EEC	1	1	0	1
PRACTICALS						
9	Mobile Application Development Laboratory	PC	0	0	4	2
10	Database Management Systems Laboratory	PC	0	0	4	2
11	Advanced reading and writing	EEC	0	0	2	1
Total Credits			19	2	9	23

SEMESTER V

S.NO.	COURSE TITLE	CATEGORY	PERIODS PER WEEK			CREDITS
			L	T	P	
THEORY						
1	Computer Networks	PC	3	0	0	3
2	Internet Programming	PC	3	0	0	3
3	Introduction to Internet of Things	PC	3	0	0	3
4	Foundations of Data Science and Machine Learning	PC	3	0	2	4
5	Professional Elective – I	PE	-	-	-	3
6	Professional Elective – II	PE	-	-	-	3
PRACTICALS						
7	Internet of Things Laboratory	PC	0	0	4	2
8	Computer Networks Laboratory	PC	0	0	4	2
9	Internet Programming Lab	PC	0	0	4	2
10	Summer Internship /Mini project	EEC	0	0	0	1
Total Credits			12	0	12	26

SEMESTER VI

S.NO.	COURSE TITLE	CATEGORY	PERIODS PER WEEK			CREDITS
			L	T	P	
THEORY						
1	Cryptography and Network Security	PC	3	0	0	3
2	Theory of Computation and Compiler Design	PC	3	0	2	4
3	Professional Elective III	PE	-	-	-	3
4	Professional Elective IV	PE	-	-	-	3
5	Professional Elective V	PE	-	-	-	3
6	Professional Elective VI	PE	-	-	-	3
7	Open Elective I	OE	3	0	0	3
PRACTICALS						
8	Security Laboratory	PC	0	0	2	1
9	Professional Communication	EEC	0	0	2	1
Total Credits			9	0	6	24

SEMESTER VII

S.NO.	COURSE TITLE	CATEGORY	PERIODS PER WEEK			CREDITS
			L	T	P	
THEORY						
1	Human Values and Professional Ethics	HS	2	0	0	2
2	Management Elective	HS	3	0	0	3
3	Open Elective – II	OE	3	0	0	3
4	Open Elective – III	OE	3	0	0	3
5	Open Elective – IV	OE	3	0	0	3
PRACTICALS						
6	Summer Internship / Mini project	EEC	0	0	0	1
Total Credits			14	0	0	15

SEMESTER VIII

S.NO.	COURSE TITLE	CATEGORY	PERIODS PER WEEK			CREDITS
			L	T	P	
1	Project work	EEC	0	0	20	10
Total Credits			0	0	20	10

BOS 005.03

Dr.A.Meenakshi discussed in detail about list of verticals offered for R2021 Regulation

SL No.	Vertical 1	Vertical 2	Vertical 3	Vertical 4
	Data Science (Option for Minor)	Application Development	Cloud Computing and Data Centre Technologies	Cyber Security
1	Data Analysis and Decision Making	Principles of programming Languages	Cloud Computing	Ethical Hacking
2	Data Warehousing and Mining	Software Testing and Automation	Virtualization	Cyber Forensics
3	Data Science using R	Web Application Development using Django	Cloud Services Management	Information Security
4	Big Data Analytics	Full Stack Development	Data Center Management	Cryptocurrency and Block Chain Technologies
5	Social Network Analysis	Multi Platform Application Development using Flutter	Devops	Intrusion Detection Systems
6	Information Retrieval Techniques	Agile Methodologies	Security and Privacy in Cloud	Modern Cryptography
7	Data visualization using Tableau	C # and .Net Fundamentals	Principles of Fog Computing	Security Governance and Risk Compliance

Highlight by yellow if the offered course is Theory based Laboratory.

NPTEL Font color by Red if the offered course is in line with NPTEL/Swayam

SL No.	Vertical 5	Vertical 6	Vertical 7	Vertical 8
	Creative Media	Emerging Technologies	Artificial Intelligence (Option for Minor)	Networking
1	Computer Graphics	Software Industrialization	Neural Networks	Wireless Ad hoc & Sensor Networks
2	Multimedia Data Compression and Storage	Robotic Process Automation	Deep Learning	Fundamentals of network Communication
3	UI/UX Design	2D/3D Technologies	Computer Vision	5G Communication Networks
4	Digital Marketing	Business Analytics	Natural Language Processing	Peer to Peer networks
5	Game Design and Development	Recommender systems	Human Computer Interaction	Parallel and Distributed Computing
6	Visual Effects	Augmented Reality and Virtual Reality	Reinforcement learning	Mobile and Pervasive computing
7	Multimedia and Animation	Quantum Computing	Knowledge Engineering	Wireless security

Highlight by yellow if the offered course is Theory based Laboratory.

NPTEL Font color by Red if the offered course is in line with NPTEL/Swayam

BOS 005.04

Dr.A.Meenakshi discussed in detail about honours and minor degree in R2021 Regulation

Honours Degree	Minor Degree
The student should select 6 courses Offered in same Department verticals and earn 18 credits	The student should select 6 courses Offered from other department verticals offered for minor degree or institute level courses offered as minor degree and earn 18 credits

Eligibility : upto 4th Semester, the CGPA >7.5 without any backlog	Eligibility : upto 4th Semester, the CGPA >7.5 without any backlog
Offered from 5th semester onwards	Offered from 5th semester onwards
The student may or may not select the course from same verticals	The student should undergo 6 courses from same verticals offered as minor either from Institute level common minor verticals or other Department minor verticals.

BOS 005.05

Open Electives (Offered to Other Department Students)

Dr.A.Meenakshi discussed in detail about open elective courses offered to other department students.

Sl. No.	Open Elective	Course Name	L	T	P	Credits
1	I & II	Data Science Fundamentals	3	0	0	3
2	III	Fundamentals of Software Engineering	3	0	0	3
3		Fundamentals of Data Structures	3	0	0	3
4	IV	Fundamentals of Computer Networks	3	0	0	3
5		Software Testing	3	0	0	3

BOS 005.06

Dr.A.Meenakshi presented R2020 IV year (7th and 8th Semester) UG Curriculum and detailed syllabus of B.E (Computer Science and Engineering).

SEMESTER VII

S. No	Course Code	Course Title	Category	L	T	P	Contact Periods	C
THEORY								
1.	CS1771	Cloud Computing	PC	3	0	0	3	3
2.	IT1671	Cryptography and Network Security	PC	3	0	0	3	3
3.	GE1671	Total Quality Management	HS	3	0	0	3	3
4.	PE5	Professional Elective V	PE	3	0	0	3	3
5.	PE6	Professional Elective VI	PE	3	0	0	3	3
6.	OE2	Open Elective – II	OE	3	0	0	3	3
PRATICALS								

7.	IT1681	Cryptography and Network Security Laboratory	PC	0	0	4	4	2
8.	CS1781	Cloud Computing laboratory	PC	0	0	4	4	2
9.	CS1721	Mini Project	EEC	0	0	4	4	2
TOTAL				18	0	12	30	24

SEMESTER VIII

S. No	Course Code	Course Title	Category	L	T	P	Contact Periods	C
THEORY								
1.	OL2	Online Course – II	OL	0	2	0	2	2
PRATICALS								
2.	CS1821	Project work	EEC	0	0	16	16	8
TOTAL				0	2	16	18	10

List of Professional Elective Courses

Professional Elective Courses (Elective – V, Semester VII)

S. No	Course Code	Course Name	L	T	P	Contact Periods	C
1.	IT1631	Blockchain Technologies	3	0	0	3	3
2.	AD1601	Computer Vision	3	0	0	3	3
3.	AD1602	Deep Learning	3	0	0	3	3
4.	AD1535	Human Computer interaction	3	0	0	3	3
5.	CS1731	Software Project Management	3	0	0	3	3

Professional Elective Courses (Elective – VI, Semester VII)

S. No	Course Code	Course Name	L	T	P	Contact Periods	C
1.	CS1732	2D & 3D Techniques for Graphics Modeling and Simulation	3	0	0	3	3
2.	AD1702	Natural Language Processing	3	0	0	3	3
3.	CS1733	Principles of Cyber Security	3	0	0	3	3
4.	CS1734	Risk Modeling and Assessment	3	0	0	3	3
5.	AD1633	Robotics and Intelligent Systems	3	0	0	3	3

Open Elective – II (Semester VII)

S. No	Course Code	Course Name	Category	L	T	P	C
1.	OCS171	Software Engineering Fundamentals	OE	3	0	0	3

BOS 005.07

Approval of Value Added courses:
HoD / CSE gave a brief presentation about students achievements, department facilities and technical support, number of events organized by the department, students internship details, value added courses conducted for the academic year 2021-2022 and 2022-2023 and finally students graduation and placement details.

- Dr.A.Meenakshi discussed about the process that we followed for conducting Value Added Courses.
- She also discussed about the role of three member's committee and presented the list of value added courses offered for the second year and third year students for this academic year.

Value Added Courses Conducted 2021 - 2022

Name of the VAC course	Name of Company	Name of the Trainer(s)	No. of Students
Redhat Linux	School of Linux, Madurai	Mr.S.Suresh Kannan & K.Muthukumar	40
Machine Learning with Scikit-Learn, Keras and Tensorflow	Quantanics TechServ Pvt. Ltd., Madurai.	Mr.Farhadh Manaz and Mr.K.Vasanth Junior AI Developer, Quantanics TechServ Pvt. Ltd., Madurai.	29
Spring Boot	Silicon Software Services, Chennai	Mr.S.Rajendran Ms.Domini Neya	55
Django Framework	Lamdatech Softics, Virudhunagar	Mr.S.Balaji Ms.V.Rajeshwari	27

VALUE ADDED COURSES CONDUCTED FOR III YEAR STUDENTS

S. No	Course Name	Name of Company	No. of Students
1.	AWS cloud	School of Linux, Madurai	35
2.	Flutter	Networkz Systems, Madurai	35
3.	Fundamentals of Block Chain and Crypto currency	Incrix Techlutions LLP, Chennai	35

VALUE ADDED COURSES CONDUCTED – 2022-23

Name of the VAC course	Name of Company	Name of the Trainer(s)	No. of Students
MEAN Stack	VEI Technologies Pvt. Ltd, Chennai.	Dr.B.Ezhilavan, Managing Director Ms.Shobana, Software Developer	35
MERN Stack	Lamdatech Softics, Virudhunagar	Mr.S.Balaji, Trainer Mr.M.Prakash, Trainer	40
Data Visualization using Tableau	Brainswig Edutech Pvt., Ltd, Chennai	Dr.R.Dinesh Babu Managing Director	40
Devops	SMI Infotech Solutions. Pvt Ltd	Mr.G.S.Raman, Director, Training and upskilling Mr.Sanjay, Trainer	36

BOS 004.08

Dr.A.Meenakshi seek the approval for the updation in Syllabus R2020 - M.E - Computer Science and Engineering

MC1204 – Network Design and Technologies – Deviations

S. No.	Existing syllabus	Updated syllabus	Justification
1	Advanced multiplexing – Code Division Multiplexing, DWDM and OFDM – Shared media networks – Switched networks – End to end semantics – Connectionless, Connection oriented, Wireless Scenarios – Applications, Quality of Service – End to end level and network level solutions. LAN cabling topologies – Ethernet Switches, Routers, Firewalls and L3 switches – Remote Access Technologies and Devices – Modems and DSLs – SLIP and PPP – Core networks, and distribution networks.	Advanced multiplexing – Code Division Multiplexing, DWDM and OFDM – Shared media networks – Switched networks – End to end semantics – Connectionless, Connection oriented, Wireless Scenarios – Applications, Quality of Service – End to end level and network level solutions. Remote Access Technologies and Devices – Modems and DSLs – SLIP and PPP – Core networks, and distribution networks.	LAN cabling topologies – Ethernet Switches, Routers, Firewalls and L3 switches. The above mentioned topics are there in their UG core paper. So there is no need to study the same again and that can be removed.
2	GSM – Mobility Management and call control – GPRS –	GSM – Mobility Management and call control – GPRS –	Small Screen Web Browsing over GPRS

	Network Elements – Radio Resource Management – Mobility Management and Session Management – Small Screen Web Browsing over GPRS and EDGE – MMS over GPRS – UMTS – Channel Structure on the Air Interface – UTRAN –Core and Radio Network Mobility Management – UMTS Security.	Network Elements – Radio Resource Management – Mobility Management and Session Management ,Channel Structure on the Air Interface – UTRAN –Core and Radio Network Mobility Management – UMTS Security.	and EDGE – MMS over GPRS – UMTS. The above mentioned topics are concentrating in specific application. As the syllabus is vast, the students need to concentrate more on core concepts rather than specific application. So that topics can be removed from the syllabus
3	LTE – Network Architecture and Interfaces – FDD Air Interface and Radio Networks – Scheduling – Mobility Management and Power Optimization – LTE Security Architecture – Interconnection with UMTS and GSM – LTE Advanced (3GPPP Release 10) - 4G Networks and Composite Radio Environment – Protocol Boosters – Hybrid 4G Wireless Networks Protocols –Green Wireless Networks – Physical Layer and Multiple Access – Channel Modelling for 4G – Introduction to 5G	LTE – Network Architecture and Interfaces – FDD Air Interface and Radio Networks – Scheduling – Mobility Management and Power Optimization – LTE Security Architecture – Interconnection with UMTS and GSM –Hybrid 4G Wireless Networks Protocols –Green Wireless Networks – Physical Layer and Multiple Access – Channel Modelling for 4G – Introduction to 5G	As the syllabus is vast, the students need to concentrate more on core concepts rather than specific application. So the below mentioned topics can be removed from the syllabus. LTE Advanced (3GPPP Release 10) - 4G Networks and Composite Radio Environment – Protocol Boosters.

MC1238 – Information Retrieval Techniques- Deviations

S. No.	Existing syllabus	Updated syllabus	Justification
1	Searching the web – Structure of the web – IR and web search – Static and Dynamic Ranking – Web crawling and indexing – Link Analysis – XML Retrieval Multimedia IR : Models and Languages – Indexing and Searching Parallel and Distributed IR – Digital Libraries	Searching the web – Structure of the web – IR and web search – Static and Dynamic Ranking – Web crawling and indexing – Link Analysis – XML Retrieval Multimedia IR : Models and Languages – Indexing and Searching– Recommender System Functions – Recommendation Techniques	As Recommender System is the main topic in Information Retrieval, we can exclude the Parallel and Distributed IR and include the Recommender Functions and Techniques


The following suggestions were given by the BOS Members

1. They have suggested to give Internet Programming paper in previous semester.
2. All the BoS members have appreciated for more practical sessions assigned in 5th semester.
3. Dr. Chithra suggested to once again check the blooms taxonomy level for CO PO attainment.
4. They have suggested to provide more Industry related new technologies.
5. All the BoS members appreciated for providing more new technology related papers as Professional Electives.

RESOLVED TO APPROVE the R2020 curriculum and detailed syllabi for VII & VIII Semester of B.E(CSE), Detailed syllabus of R2021 curriculum and detailed syllabi for I to VIII Semester of B.E(CSE).

The meeting ended with the Vote of Thanks by Dr. A. Anandh, Associate Professor, Department of CSE, Kamaraj College of Engineering and Technology, Virudhunagar.


Bos Co-ordinator


(Dr. A. Meenakshi)
BoS Chairman & HoD - CSE

Department of Computer Science and Engineering

VALUE ADDED COURSES - Minutes

Value Added Courses are very important to bridge the gap between the academic and industry needs. These courses which help a particular individual to develop their own skills in their chosen field of the study are conducted by professionals and industry experts. They help students stand apart from the rest in the job market by adding further value to their resume.

A meeting was conducted on 28-07-2022 at 10.30am in the Department Office to discuss the various points about Value Added Courses.

I.Members present:

1. Dr.A.Meenakshi, Head & Professor
2. Value Added Course Co-ordinators
 - a. Dr.G.Nirmala, AP-CSE
 - b. Dr.G.Uma Maheswari AP-CSE
3. Three Member Committee
 - a. Dr.R.Muthuselvi Prof-CSE
 - b. Dr.P.Praveen Kumar AP-CSE
 - c. Dr.G.Nirmala AP-CSE

II.Agenda

1. Guide lines for Value Added Courses (VAC)
2. Faculty members' domain of interest and Students' options
3. Identification of Value Added Courses and Trainers from Industries

III.Minutes

1. Guidelines of VAC are discussed.

- The students may optionally undergo value added courses offered by experts from industry / other institutions (Academic / Research) / institution faculty on specialized topics.
- Every 15 period course will be given 1 credit.
- If the value added course is a theory, then the contact hours in a day shall not exceed four periods.
- The courses shall be conducted without affecting the regular academic schedule.
- Candidates can complete such courses during 3rd to 8th semesters as and when these courses are offered by departments.

- A candidate will also be permitted to register such course offered by other departments.
- The Department / Course in-charge / Faculty / Expert concerned shall conduct one assessment at the end of the course
- The Head of the Department shall form a committee to monitor the progress of the course.
- Candidates can take a maximum of two one-credit courses / one two- credit course during an academic year if offered.
- Credits earned under this category will be over and above the total credit requirement as prescribed in the Employability Enhancement Courses category excluding the actual credits required for project works.

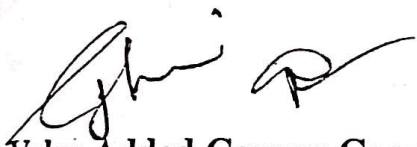
2. Faculty members' Domain of interest and Students options are obtained.

- Faculty members' domain interests are obtained and various courses are suggested. Options from III year students are obtained based on their suggestion.
- According to the meeting Conducted, 7 courses were identified such as
 - MERN Stack
 - MEAN Stack
 - Selium (Software Testing Tool)
 - Devops(development-Operations)
 - UI / UX (User Interface/ User Experience)
 - VFX(Visual Effects)
 - Data Visualization using Tableau
- The information about the courses was given to the students to know their option of interest and a form was generated to receive their responses.
- According to the responses received from the students 4 courses were primarily identified such as
 - MERN Stack
 - MEAN Stack
 - Data Visualization using Tableau
 - Devops(Development-Operations)
- The faculty coordinators are nominated for each course in accordance to their interest shown. The list is shown as follows:
 - MERN Stack Co-ordinators (Ms.K.Leelarani & Ms.S.Shobika)
 - MEAN Stack Co-ordinators (Ms.T.Rajashree & Ms.G.Vijayalalitha)
 - Data Visualization using Tableau Co-ordinators (Ms.S.Athilakshmi, Ms.S.Janani & Dr.G.Uma Maheswari)
 - Devops(Development-Operations)Co-ordinators (Mr.M.Rajasekaran & Ms.J.Lavanya)

3. Value Added Courses and Industries are identified.
The following industries are identified to conduct the courses

S.NO	COURSES TO BE OFFERED	NAME OF THE COMPANY
1	MERN Stack	Lamdatech Softics, Virudhunagar
2	MEAN Stack	VEI Technologies Pvt Ltd, Chennai
3	Data Visualization using Tableau	Brainswig Edutech Pvt Ltd, Chennai
4	Devops	SMI Infotech Sol Pvt Ltd

S.No	Name of the course	Venue	Class	Date
1	MERN Stack	Visual Computing Lab	III CSE & ADS	19-09-22 to 24-09-22
2	MEAN Stack	Information Systems Lab		
3	Data Visualization using Tableau	Mobile Application Development Lab		
4	Devops	Cloud Computing Lab		



Value Added Course Coordinators



HoD-CSE

KAMARAJ

COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
 S.P.G.Chidambara Nadar - G.Nagammal Campus
 S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2022-2023 (ODD)

EVENT Value Added Course on "MEAN STACK"

DATE & TIME 19.09.2022 to 24.09.2022 & 9.00 am to 4.00 pm

VENUE Information Systems Laboratory

RESOURCE PERSONS Dr.B.Ezhilavan,
 Managing Director,VEI Technologies Pvt.Ltd, Chennai.
 Ms.Shobana,
 Software Developer, VEI Technologies Pvt.Ltd, Chennai

DAY 1 - 19.09.2022

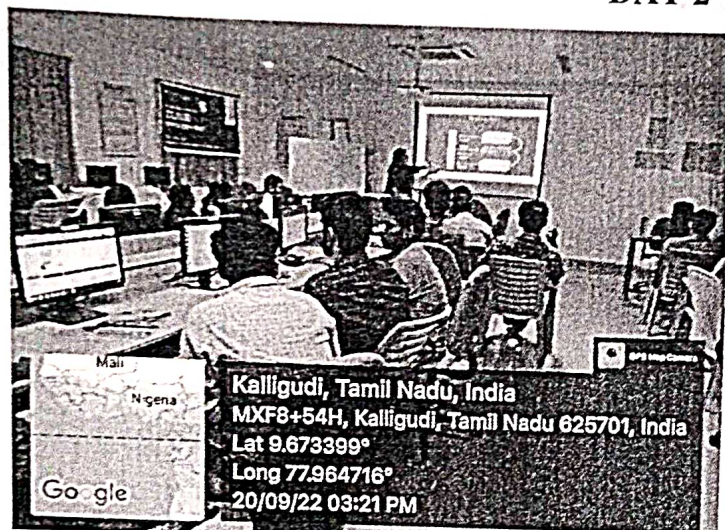


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 Coordinators

[Signature]
 HoD-CSE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ACADEMIC YEAR 2022-2023 (ODD)

EVENT Value Added Course on "MEAN STACK"
DATE & TIME 19.09.2022 to 24.09.2022 & 9.00 am to 4.00 pm
VENUE Information Systems Laboratory
RESOURCE PERSONS Dr.B.Ezhilavan,
Managing Director,VEI Technologies Pvt.Ltd, Chennai.
Ms.Shobana,
Software Developer, VEI Technologies Pvt.Ltd, Chennai
DAY 2 - 20.09.2022

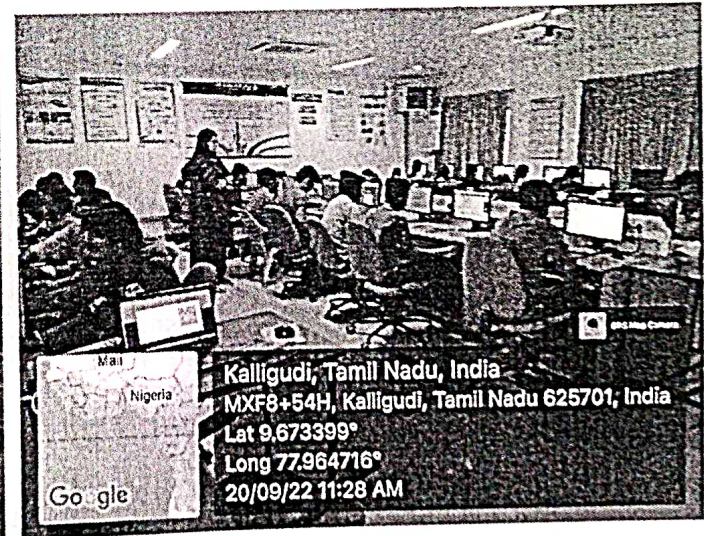
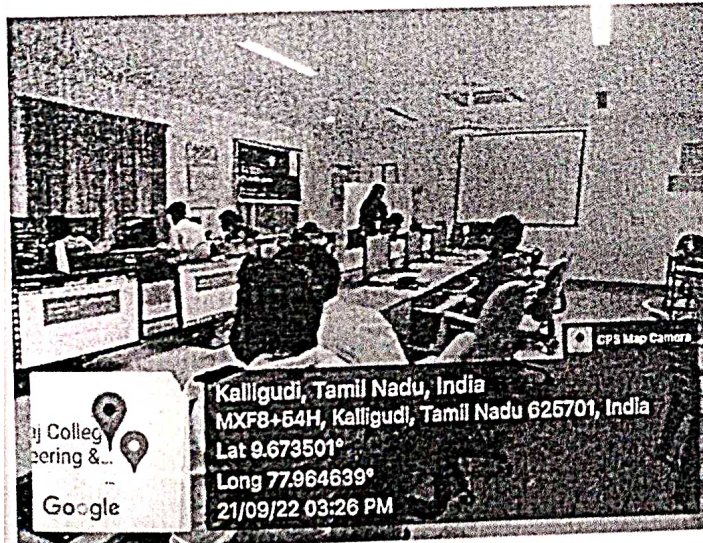
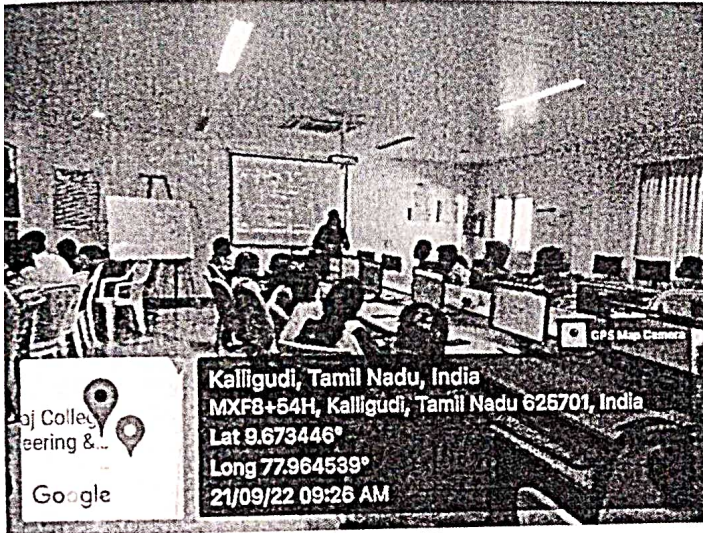


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Coordinators

[Signature]
HoD-CSE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ACADEMIC YEAR 2022-2023 (ODD)

EVENT Value Added Course on "MEAN STACK"
DATE & TIME 19.09.2022 to 24.09.2022 & 9.00 am to 4.00 pm
VENUE Information Systems Laboratory
RESOURCE PERSONS Dr.B.Ezhilavan,
Managing Director, VEI Technologies Pvt.Ltd, Chennai.
Ms.Shobana,
Software Developer, VEI Technologies Pvt.Ltd, Chennai
DAY 3 - 21.09.2022



[Signature]
Coordinators

[Signature]
HoD-CSE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ACADEMIC YEAR 2022-2023 (ODD)

EVENT Value Added Course on "MEAN STACK"
DATE & TIME 19.09.2022 to 24.09.2022 & 9.00 am to 4.00 pm
VENUE Information Systems Laboratory
RESOURCE PERSONS Dr.B.Ezhilavan,
Managing Director,VEI Technologies Pvt.Ltd, Chennai.
Ms.Shobana,
Software Developer, VEI Technologies Pvt.Ltd, Chennai
DAY 4 - 22.09.2022

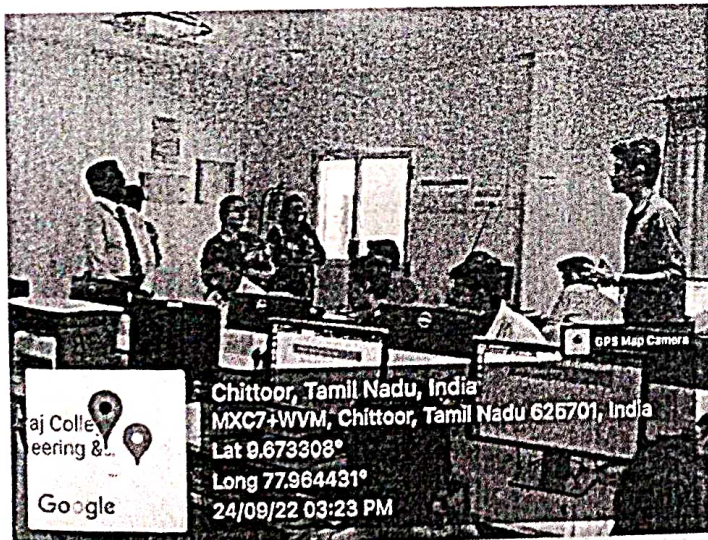
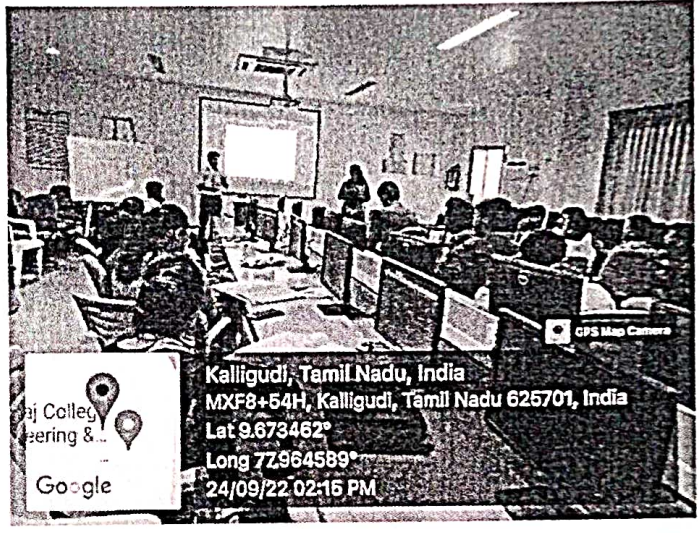


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Coordinators

[Signature]
HoD-CSE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ACADEMIC YEAR 2022-2023 (ODD)

EVENT Value Added Course on "MEAN STACK"
DATE & TIME 19.09.2022 to 24.09.2022 & 9.00 am to 4.00 pm
VENUE Information Systems Laboratory
RESOURCE PERSONS Dr.B.Ezhilavan,
Managing Director,VEI Technologies Pvt.Ltd, Chennai.
Ms.Shobana,
Software Developer, VEI Technologies Pvt.Ltd, Chennai
DAY 6 - 24.09.2022



[Signature]
Coordinators

[Signature]
HoD-CSE

KAMARAJ

COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
 S.P.G.Chidambara Nadar - C.Nagammal Campus
 S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ACADEMIC YEAR 2022-2023 (ODD)

EVENT	Value Added Course on “MEAN STACK”
DATE & TIME	19.09.2022 to 24.09.2022 & 9.00 am to 4.00 pm
VENUE	Information Systems Laboratory
RESOURCE PERSONS	Dr.B.Ezhilavan, Managing Director,VEI Technologies Pvt.Ltd, Chennai. Ms.Shobana, Software Developer, VEI Technologies Pvt.Ltd, Chennai

DAY 5 – 23.09.2022



[Signature]
Coordinators

[Signature]
HoD-CSE



VEI TECHNOLOGIES Pvt.Ltd CHENNAI



COURSE COMPLETION CERTIFICATE

This is to certify that Mr. /~~Ms.~~


SHIYAM SUNDAR G.S

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
MEAN STACK from 19.09.2022 to 24.09.2022 in association with the Department of
Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

Assessment Marks: 87 %


DIRECTOR


COORDINATORS


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PRINCIPAL



VEI TECHNOLOGIES Pvt.Ltd CHENNAI



COURSE COMPLETION CERTIFICATE

This is to certify that Mr. /-Ms:

SHARVESH VISHNU . K

has attended the Value Added Course offered by Vei Technologies Pvt.Ltd, Chennai on
MEAN STACK from 19.09.2022 to 24.09.2022 in association with the Department of
Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

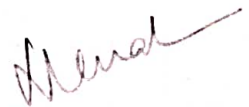
Assessment Marks: 82 %



DIRECTOR



COORDINATORS



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VEI TECHNOLOGIES Pvt.Ltd

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COURSE COMPLETION CERTIFICATE

This is to certify that ~~Mr.~~ / Ms.

MANCY NIRANJANA · A·J

has attended the Value Added Course offered by Vei Technologies Pvt.Ltd, Chennai on
MEAN STACK from 19.09.2022 to 24.09.2022 in association with the Department of
Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

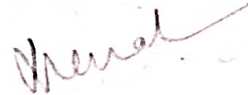
Assessment Marks: 81 %



DIRECTOR



COORDINATORS



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PRINCIPAL



VEI TECHNOLOGIES Pvt.Ltd

CHENNAI



COURSE COMPLETION CERTIFICATE

This is to certify that Mr. / ~~Ms.~~

VINOTH · G

has attended the Value Added Course offered by Vei Technologies Pvt.Ltd, Chennai on
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Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

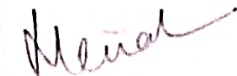
Assessment Marks: 87 %



DIRECTOR



COORDINATORS



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VEI TECHNOLOGIES Pvt.Ltd CHENNAI



COURSE COMPLETION CERTIFICATE

This is to certify that Mr. / ~~Ms.~~

PREM KUMAR . GI

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
MEAN STACK from 19.09.2022 to 24.09.2022 in association with the Department of
Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

Assessment Marks: 82 %

B. Srinivas
DIRECTOR

[Signature]
COORDINATORS

[Signature]
HOD-CSE

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PRINCIPAL



VEI TECHNOLOGIES Pvt.Ltd

CHENNAI



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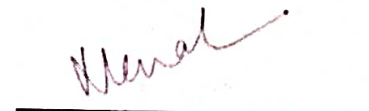
ZAWAHAR . S

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
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Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

Assessment Marks: 80 %


DIRECTOR


COORDINATORS


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CHENNAI



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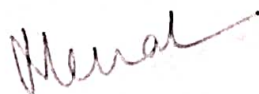
SRIKUMBESH . S

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
MEAN STACK from 19.09.2022 to 24.09.2022 in association with the Department of
Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

Assessment Marks: 87 %


DIRECTOR


COORDINATORS


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VEI TECHNOLOGIES Pvt.Ltd

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COURSE COMPLETION CERTIFICATE

This is to certify that Mr. /~~Ms.~~

SURYA . A

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
MEAN STACK from 19.09.2022 to 24.09.2022 in association with the Department of
Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

Assessment Marks: 54 %

B. S. S.
DIRECTOR

R. S. S. uz
COORDINATORS

M. S. S.
HOD-CSE

S. S. S.
PRINCIPAL



VEI TECHNOLOGIES Pvt.Ltd CHENNAI



COURSE COMPLETION CERTIFICATE

This is to certify that Mr. /~~Ms.~~

GEORGE JERIN. T

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
MEAN STACK from 19.09.2022 to 24.09.2022 in association with the Department of
Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

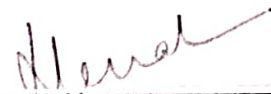
Assessment Marks: 82 %



DIRECTOR



COORDINATORS



HOD-CSE



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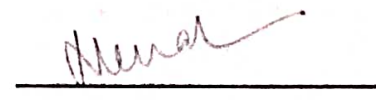
DHARSHINI . V

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
MEAN STACK from 19.09.2022 to 24.09.2022 in association with the Department of
Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

Assessment Marks: 88 %


DIRECTOR


COORDINATORS


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VEI TECHNOLOGIES Pvt.Ltd CHENNAI



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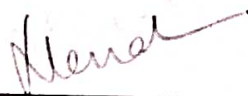
SAJIYA BEGUM . A

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
MEAN STACK from 19.09.2022 to 24.09.2022 in association with the Department of
Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

Assessment Marks: 91 %


DIRECTOR


COORDINATORS


HOD-CSE


PRINCIPAL



VEI TECHNOLOGIES Pvt.Ltd

CHENNAI



COURSE COMPLETION CERTIFICATE

This is to certify that Mr. /~~Ms.~~

J. SUBASH CHANDRA PANDIAN

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
MEAN STACK from 19.09.2022 to 24.09.2022 in association with the Department of
Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

Assessment Marks: 87 %

B. S. S.
DIRECTOR

[Signature]
COORDINATORS

[Signature]
HOD-CSE

[Signature]
PRINCIPAL



VEI TECHNOLOGIES Pvt.Ltd

CHENNAI



COURSE COMPLETION CERTIFICATE

This is to certify that Mr. / ~~Ms.~~

RAJA GIANESH . S

has attended the Value Added Course offered by Vei Technologies Pvt.Ltd, Chennai on
MEAN STACK from 19.09.2022 to 24.09.2022 in association with the Department of
Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

Assessment Marks: 93 %

B. E. S.
DIRECTOR

[Signature]
COORDINATORS

[Signature]
HOD-CSE

[Signature]
PRINCIPAL



VEI TECHNOLOGIES Pvt.Ltd CHENNAI



COURSE COMPLETION CERTIFICATE

This is to certify that ~~Mr.~~ / Ms.

SRIMATHI S

has attended the Value Added Course offered by Vei Technologies Pvt.Ltd, Chennai on
MEAN STACK from 19.09.2022 to 24.09.2022 in association with the Department of
Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

Assessment Marks: 93 %

B. Babu
DIRECTOR

[Signature]
COORDINATORS

[Signature]
HOD-CSE

[Signature]
PRINCIPAL



VEI TECHNOLOGIES Pvt.Ltd

CHENNAI



COURSE COMPLETION CERTIFICATE

This is to certify that ~~Mr.~~ / Ms.


BAYA DHARANI · B

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
MEAN STACK from 19.09.2022 to 24.09.2022 in association with the Department of
Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

Assessment Marks: 89 %


DIRECTOR


COORDINATORS


HOD-CSE


PRINCIPAL



VEI TECHNOLOGIES Pvt.Ltd CHENNAI



COURSE COMPLETION CERTIFICATE

This is to certify that ~~Mr.~~ / Ms.

Ms. UMA DHARSHINI . R.GI

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
MEAN STACK from 19.09.2022 to 24.09.2022 in association with the Department of
Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.


Assessment Marks: 85 %



DIRECTOR



COORDINATORS



HOD-CSE



PRINCIPAL



VEI TECHNOLOGIES Pvt.Ltd
CHENNAI



COURSE COMPLETION CERTIFICATE

This is to certify that Mr. /~~Ms.~~

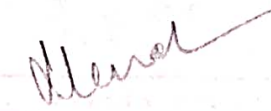
SRI VIGNOV PANDIAN . P.S

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
MEAN STACK from 19.09.2022 to 24.09.2022 in association with the Department of
Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

Assessment Marks: 93 %


DIRECTOR


COORDINATORS


HOD-CSE


PRINCIPAL



VEI TECHNOLOGIES Pvt.Ltd CHENNAI



COURSE COMPLETION CERTIFICATE

This is to certify that Mr. /~~Ms.~~

K. SARAVANA BALAJI

has attended the Value Added Course offered by Vei Technologies Pvt.Ltd, Chennai on
MEAN STACK from 19.09.2022 to 24.09.2022 in association with the Department of
Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

Assessment Marks: 87 %

B. E. Srinivas
DIRECTOR

[Signature]
COORDINATORS

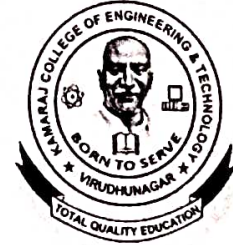
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HOD-CSE

[Signature]
PRINCIPAL



VEI TECHNOLOGIES Pvt.Ltd

CHENNAI



COURSE COMPLETION CERTIFICATE

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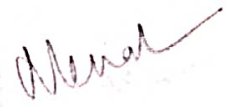
VARUN · B

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
MEAN STACK from 19.09.2022 to 24.09.2022 in association with the Department of
Computer Science and Engineering, Kamaraj College of Engineering and Technology,
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Assessment Marks: 89 %


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SIVARANJANI . P

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near Virudhunagar.

Assessment Marks: 92 %

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Assessment Marks: 92 %

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M. Manoj
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S. Srinidhi R.
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SABARI KANTH . A

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DHAYALAN . R . J

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
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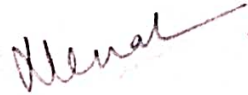
Assessment Marks: 90 %



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PARISATH . P

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Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

Assessment Marks: 89 %

B. P. S.
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SAHANARINI . S

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
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Computer Science and Engineering, Kamaraj College of Engineering and Technology,
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Assessment Marks: 94 %

B. Sathy
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KAAVIYA . M

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
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Assessment Marks: 93 %

B. B. B.
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KAVITHA. G

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Computer Science and Engineering, Kamaraj College of Engineering and Technology,
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Assessment Marks: 95 %

B. Sathy
DIRECTOR

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COORDINATORS

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PRATHIKSHA . V

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
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Assessment Marks: 93 %

B. B. B.
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R. R. R.
COORDINATORS

M. M. M.
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AHAMED ADHIL . M

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
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Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

Assessment Marks: 91 %

B. Babu
DIRECTOR

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COORDINATORS

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MUTHUSELVAM . M

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
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Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

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B. S. S.
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KARPAGIA MOUNIKA . S

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Computer Science and Engineering, Kamaraj College of Engineering and Technology,
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Assessment Marks: 87 %

B. Balaji
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YASHWANT RAM . G. A

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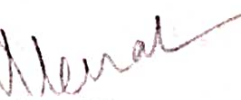
Assessment Marks: 85 %



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VINOTH KUMAR · T

has attended the Value Added Course offered by Vei Technologies Pvt.Ltd, Chennai on
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Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

Assessment Marks: 87 %

B. Indu
DIRECTOR

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COORDINATORS

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SURYA.V

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
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Computer Science and Engineering, Kamaraj College of Engineering and Technology,
near Virudhunagar.

Assessment Marks: 88 %

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GIJENDRAN . R

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Assessment Marks: 93 %


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RAJASHREE T

has attended the Value Added Course offered by VEI Technologies Pvt.Ltd, Chennai on
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Computer Science and Engineering, Kamaraj College of Engineering and Technology,
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Assessment Marks: _____ %

B. Eshy
DIRECTOR

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IGINATIUS SELVARANI . X

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VIJAYALALITHA . G

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Assessment Marks: _____ %



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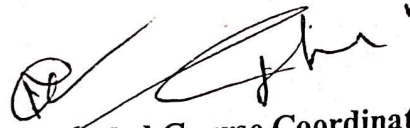
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S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

Department of Computer Science and Engineering

VALUE ADDED COURSES

Date and Time of VAC Exam Conducted

S.NO	Name of course	Date and Time of exam conducted
1	Data Visualization using Tableau	24-09-2022 (10:00 am to 11:30 pm)
2	MERN Stack	24.09.2022(02:30 P.M to 04:00 P.M)
3	Devops	24-09-2022(03.00 pm to 04.30 pm)
4	MEAN Stack	30.09.2022 (04.00 pm to 05.30 pm)


Value Added Course Coordinators


HoD-CSE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Value Added Course on "MEAN STACK"

19.09.2022 to 24.09.2022

Resource Persons :

Dr.B.Ezhilavan,

Managing Director, VEI Technologies Pvt.Ltd, Chennai.

Ms.Shobana,

Software Developer, VEI Technologies Pvt.Ltd, Chennai

Report

Department of Computer Science and Engineering organized a Value Added Course on "Mean stack" with VEI Technologies Pvt. Ltd, Chennai from 19.09.2022 to 24.09.2022. Totally, 35 students of III CSE & AD took part in this course. Dr.A.Meenakshi, Head of the Department of CSE welcomed the resource persons Dr.B.Ezhilavan and Ms.Shobana VEI Technologies Pvt.Ltd, Chennai and the coordinators introduced the resource persons.

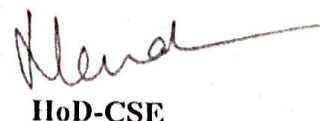
The students learnt the basic theory underlying MEAN stack. They code simple programs using vs code in Ubuntu 20.0. They acquired knowledge on how to build web applications using HTML, CSS ,Boot strap and Java Script.

The students performed schema design in Mongo DB, to route parameter and queries using Express JS , to perform data binding using Angular JS and execute scripts using NODE JS.

The resource persons conducted the course in a very interactive manner. Students had practical sessions along with theory concepts. The six days programme was very useful for their career development. For all the six days, the feedback was collected from the students. The students carried out a presentation in groups. MCQ based assessment and presentation evaluation was done finally.


Course Coordinator(s)


VAC Coordinator


HoD-CSE

Questions and Answer Keys

MEAN Stack

Part-A

1. What will be the output of the following code snippet?

```
var a=Math.max();  
var b=Math.min();  
print(a)  
print(b)
```

- **-Infinity Infinity**
- Infinity -Infinity
- Infinity Infinity
- -Infinity -Infinity

2. NoSQL databases is used mainly for handling large volumes of _____ data

- Structured
- **Unstructured**
- Semi-structured
- None

3. AngularJS is perfect for?

- MPAs
- DPAs
- CPAs
- **SPAs**

4. Node.js is written in which language?

- **C++**
- JavaScript
- C
- Java

5. What happens when we run this code?

```
function dog()
```

```
{  
Print("I am a dog");  
}  
dog.sound="Bark";  
function.dog()
```

- Syntax Error
- "I am a dog" gets printed
- ReferenceError
- **Nothing happens**

6. What is MongoDB?

- An Access database
- **A NoSQL database**
- A SQL database
- A file system

7. Among the following, on which architectural pattern is AngularJS based?

- Decorator pattern
- Observer pattern
- **MVVM architecture pattern**
- MVC architecture pattern

8. Default scope in Node.js application is?

- Global
- **Local**
- Local to Object
- None of the above

9. We enclose HTML tags within?

- { }
- < >
- !!
- None of the above

10. Which of the following is the correct syntax for using the HTML style attribute?

- **<tagname style = "property: value;">**
- <tagname style = "property;">
- <tagname style >

- None of the above

11. What is the maximum size of a MongoDB document?

- **16 MB**
- 2 MB
- 12 MB
- None

12. Which HTML tag is used to declare internal CSS?

- **<style>**
- <link>
- <script>
- None of the above

13. What will be the output of the below code in the console?

File: my_module.js

```
exports.name = 'Zeus';
```

Code:

```
var my_module = require('./mymodule');  
console.log((function(settings){  
    return settings.split("").reverse().join("")  
})(my_module.name));
```

- **Error**
- Zeus
- undefined
- Suez

14. What function arguments are available to Express.js Route handlers?

- req - the request object
- res - the response object
- next
- **All of the above**

15. Which command in MongoDB is equivalent to SQL select?

- search()
- **find ()**
- document
- none

16.The syntax used to create a module in AngularJS is:

- **module(“app”,[])**
- var myModule=angular.module();
- var myModule = new Module();
- None of the above

17.To include the HTTP server in the node module, what function do we use?

- get()
- require()
- **createServer()**
- None of the above

18.What is the preferred format to store geospatial data in MongoDB?

- Latitude, longitude
- **GeoJSON**
- BSON
- XML

19.Who is the father of AngularJS?

- **Misko Hevery**
- Brad Green
- Mike Adams
- Adam a bronze

20.What method is used to return the current working directory of the process?

- cwd()
- **pwd()**
- cmd()
- None of the above

21.Which of the following method corresponds to Order by clause in SQL?

- **sort()**
- orderby()
- order()
- none

22. Choose the reactor which is used to bind the application data to the HTML view in AngularJS.

- **ng-bind directive**
- ng-model directive
- ng-init directive
- ng-app directive

23. Which of the following are examples of node modules?

- Express
- Body-parser
- Socket.io
- **All of the above**

24. What are core features of Express framework?

- **Allows to set up middlewares to respond to HTTP Requests**
- Defines a routing table which can work as per HTTP Method and URL
- Dynamically render HTML Pages
- All of the above

25. Which of the following format is supported by MongoDB?

- XML
- SQL
- **JSON**
- All of the above

26. Module created by using AngularJS function is known as

- module()
- mod()
- **Angular module()**
- mdl()

27. We can kill a process in Node.js using the keyboard shortcut?

- **Ctrl + C**
- Ctrl + B
- Ctrl + K
- None of the above

28. How to store local variables that can be accessed within the application?

- **Using app.locals**
- Using app.storage
- Using database
- Config file

29. Which of the following is not part of _id?

- MachineID
- Timestamp
- ProcessID
- **documentID**

30. The router is a part of which of the following given models?

- **@angular/router**
- @angular/core
- Both a and b
- None of the above

Part-B

31. The node object property which is used to return the node just before the current node is?

- localName
- index
- **previousSibling**
- None of the above

32. Route paths, in combination with a request method, define the endpoints at which requests can be made. Which of the following are valid forms of route path?

- strings
- string patterns
- regular expressions
- **All of above**

33. Which programming language is used to write MongoDB queries?

- **JavaScript**
- Python
- SQL
- TypeScript

34. Which of the following are examples of NodeJS streams types?

- Writable
- Duplex
- Readable
- **All of the above**

35. Where is captured values are populated regarding route parameters?

- **req.params object**
- app.locals object
- req.data object
- None of above

36. You have two text fields in your document and you'd like both to be quickly searchable. What should you do?

- mongoDB is not able to do this
- create a compound text index using both fields
- create a text index on one field and a single field index on the other
- **create a text index on each field**

37. Which decorator is used for configuring model class

- @NgApp
- **@NgModule**
- Both a and b are correct
- None of the above

38. _ variable in REPL session of NodeJS is used for?

- **It is used to store the result**
- It is used to get the last command that was used
- It is used to get the last result
- None of the above

39. What function arguments are available to Express.js Route handlers?

- req - the request object
- res - the response object
- next
- **All of the above**

40. Among the following which is not built-in a pipe in angular?

- CurrencyPipe
- **DataPipe**
- PercentPipe
- none of the above

41. Which node module is used for zip and unzip functionalities?

- **ZLIB**
- buffer
- binary
- None of the above

42. How can we create chainable route handlers for a route path in ExpressJS app?

- **Using app.route()**
- Using app.router()
- Using app.routing()
- All of these

43. Choose the valid AngularJS expression.

- `{(2+2)}`
- `{2+2}`
- `{{2+2}}`
- `((2+2))`

44. Imagine that you sent following ajax request:

```
$.post("/process", {name:'john'}, function(data){
    // Do some stuff
});
```

What will be the answer from the server?

Tip: On server side, we have the code which is given below

Code:

```
app.post('/process', function(req, res){
    var data = "";
    if(req.xhr){
        data += 'One';
    }

    if(req.body.name){
```

```
    data += 'Two';  
  }  
  res.send(data);  
});
```

- **OneTwo'**
- 'One'
- 'Two'
- All of these

45. In ExpressJS, the method `app.all(path, callback [, callback ...])` can accept all HTTP methods

- **True**
- False
- Insufficient data
- None

Department of Computer Science and Engineering**Value Added Course – MEAN STACK****Attendance Sheet**

Total No. of Students: 35 (III CS & AD)

Date: 19/09/2022

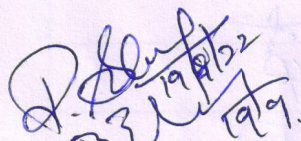
Attended Students: 34

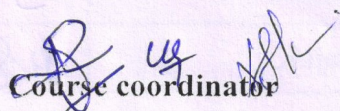
Trainers Name: Dr. B. Ezhilavan and Ms. Shobana

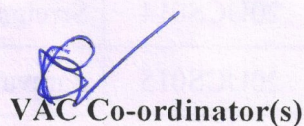
Day 1

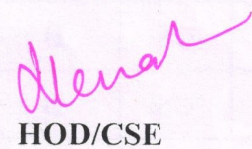
S. No.	Dept.	Section	Roll No	Student Name	Signature
					11.00 AM - 12.40 PM
1.	AD	-	20UAD003	Shiyam Sundar G.S	G.S.Sundar
2.	AD	-	20UAD006	Sharvesh Vishnu.K	Sharvesh Vishnu.K
3.	AD	-	20UAD007	Mancy Niranjana.A.J	Mancy
4.	AD	-	20UAD018	Vinoth.G	Vinoth
5.	AD	-	20UAD021	Premkumar.G	Premkumar
6.	AD	-	20UAD022	Zawahar.S	Zawahar
7.	AD	-	20UAD036	Srikumbesh.S	Sri Kumbesh
8.	AD	-	20UAD040	Surya.A	Surya
9.	AD	-	20UAD046	George Jering.T	George Jering
10.	AD	-	20UAD032	Dharshini.V	Dharshini
11.	CS	B	20UCS002	Sajiya Begum.A	Sajiya
12.	CS	B	20UCS005	Subashchandrapandian.J	AB
13.	CS	A	20UCS006	Raja Ganesh.S	Raja
14.	CS	B	20UCS009	Srimathi.S	Srimathi
15.	CS	A	20UCS010	Bava Dharani.B	Bava
16.	CS	A	20UCS013	Uma Dharshini.R.G	Uma
17.	CS	B	20UCS014	Srivignovpandian.P.S	SVP
18.	CS	B	20UCS015	Saravanabalaji.K	Saravanabalaji

S. No.	Dept.	Section	Roll No	Student Name	Signature
					11.00 AM - 12.40 PM
19.	CS	A	20UCS017	Varun.B	B. Varun.
20.	CS	A	20UCS021	Sivaranjani.P	Sivaranjani P
21.	CS	B	20UCS033	Sreenidhi.R	Sreenidhi R
22.	CS	A	20UCS039	Sabari Kanth.A	A. Sabari.
23.	CS	A	20UCS040	Dhayalan.R.J	R.J. Dhayan
24.	CS	B	20UCS043	Parisath.P	Parisath
25.	CS	A	20UCS060	Sahanarini.S	Sahanarini S
26.	CS	A	20UCS063	Kaaviya.M	Kaaviya M
27.	CS	B	20UCS080	Kavitha.G	Kavitha G
28.	CS	B	20UCS084	Prathiksha.V	V. Prathiksha
29.	CS	A	20UCS091	Ahamed Adhil.M	M. Ahmed Adhil
30.	CS	A	20UCS097	Muthuselvam.M	Muthuselvam M
31.	CS	B	20UCS101	Karpaga Mounika.S	Karpaga Mounika S
32.	CS	B	20UCS104	Yashwant Ram.G.A	Yashwant Ram G.A
33.	CS	A	20UCS106	Vinoth Kumar.T	T. Vinoth Kumar
34.	CS	A	20UCS109	Suriya.V	V. Suriya
35.	CS	A	20UCS111	Gajendran.R	R. Gajendran
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 Trainer(s)


 Course coordinator


 VAC Co-ordinator(s)


 HOD/CSE

S. No.	Dept.	Section	Roll No	Student Name	Signature
					01.30 PM – 04.00 PM
19.	CS	A	20UCS017	Varun.B	OP
20.	CS	A	20UCS021	Sivaranjani.P	Sivaranjani.P
21.	CS	B	20UCS033	Sreenidhi.R	Sreenidhi.R
22.	CS	A	20UCS039	Sabari Kanth.A	Delly.
23.	CS	A	20UCS040	Dhayalan.R.J	R.J. Dhayalan
24.	CS	B	20UCS043	Parisath.P	P. Parisath
25.	CS	A	20UCS060	Sahanarini.S	Sahanarini.S
26.	CS	A	20UCS063	Kaaviya.M	Kaaviya.M
27.	CS	B	20UCS080	Kavitha.G	G. Kavitha
28.	CS	B	20UCS084	Prathiksha.V	V. Prathiksha
29.	CS	A	20UCS091	Ahamed Adhil.M	M. Ahmed Adhil
30.	CS	A	20UCS097	Muthuselvam.M	Muthuselvam.M
31.	CS	B	20UCS101	Karpaga Mounika.S	Karpaga Mounika.S
32.	CS	B	20UCS104	Yashwant Ram.G.A	Yashwant Ram.G.A
33.	CS	A	20UCS106	Vinoth Kumar.T	T. Vinoth Kumar
34.	CS	A	20UCS109	Suriya.V	Suriya.V
35.	CS	A	20UCS111	Gajendran.R	R. Gajendran
36.					
37.					
38.					
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[Signature]
19/9/22
Trainer(s)

[Signature]
19/9/22
Course coordinator

[Signature]
VAC Co-ordinator(s)

[Signature]
HOD/CSE



Department of Computer Science and Engineering

Value Added Course – MEAN STACK

Attendance Sheet

Total No. of Students: 35 (III CS & AD)

Date: 19/09/22

Attended Students: 30

Trainers Name: Dr. B. Ezhilavan and Ms. Shobana

Day 1

S. No.	Dept.	Section	Roll No	Student Name	Signature
					01.30 PM – 04.00 PM
1.	AD	-	20UAD003	Shiyam Sundar G.S	G.S. Shiyam
2.	AD	-	20UAD006	Sharvesh Vishnu.K	K. Sharvesh Vishnu
3.	AD	-	20UAD007	Mancy Niranjana.A.J	Leave
4.	AD	-	20UAD018	Vinoth.G	A. Vinoth
5.	AD	-	20UAD021	Premkumar.G	P. Premkumar
6.	AD	-	20UAD022	Zawahar.S	Leave
7.	AD	-	20UAD036	Srikumbesh.S	S. Srikumbesh
8.	AD	-	20UAD040	Surya.A	A. Surya
9.	AD	-	20UAD046	George Jering.T	George Jering.T
10.	AD	-	20UAD032	Dharshini.V	V. Dharshini
11.	CS	B	20UCS002	Sajiya Begum.A	A. Sajiya Begum
12.	CS	B	20UCS005	Subashchandrapandian.J	AB
13.	CS	A	20UCS006	Raja Ganesh.S	R. Ganesh
14.	CS	B	20UCS009	Srimathi.S	S. Srimathi
15.	CS	A	20UCS010	Bava Dharani.B	OD
16.	CS	A	20UCS013	Uma Dharshini.R.G	U. Dharshini
17.	CS	B	20UCS014	Srivignovpandian.P.S	SVP
18.	CS	B	20UCS015	Saravanabalaji.K	K. Saravanabalaji

Department of Computer Science and Engineering

Value Added Course – MEAN STACK

Attendance Sheet

Total No. of Students: 35 (III CS & AD)

Date: 20.09.2022

Attended Students: 30

Trainers Name: Dr. B. Ezhilavan and Ms. Shobana

Day 2

S. No.	Dept.	Sec	Roll No	Student Name	Signature		
					09.00 AM – 10.40 AM	11.00 AM – 12.40 PM	01.30 PM – 04.00 PM
1.	AD	-	20UAD003	Shiyam Sundar G.S	<i>G.S. Shiyam</i>	<i>G.S. Shiyam</i>	<i>G.S. Shiyam</i>
2.	AD	-	20UAD006	Sharvesh Vishnu.K	<i>Sharvesh</i>	<i>Sharvesh</i>	<i>Sharvesh</i>
3.	AD	-	20UAD007	Mancy Niranjana.A.J	AB	AB	AB
4.	AD	-	20UAD018	Vinoth.G	<i>Vinoth</i>	<i>Vinoth</i>	<i>Vinoth</i>
5.	AD	-	20UAD021	Premkumar.G	AB	AB	AB
6.	AD	-	20UAD022	Zawahar.S	AB	AB	AB
7.	AD	-	20UAD036	Srikumbesh.S	<i>S.S</i>	<i>S.S</i>	AB
8.	AD	-	20UAD040	Surya.A	<i>A.S</i>	<i>A.S</i>	<i>A.S</i>
9.	AD	-	20UAD046	George Jering.T	<i>G.J</i>	<i>G.J</i>	<i>G.J</i>
10.	AD	-	20UAD032	Dharshini.V	AB	AB	AB
11.	CS	B	20UCS002	Sajiya Begum.A	<i>A.S</i>	<i>A.S</i>	<i>A.S</i>
12.	CS	B	20UCS005	Subashchandrapandian.J	<i>J.S</i>	<i>J.S</i>	<i>J.S</i>
13.	CS	A	20UCS006	Raja Ganesh.S	<i>R.G</i>	<i>R.G</i>	<i>R.G</i>
14.	CS	B	20UCS009	Srimathi.S	<i>S.S</i>	<i>S.S</i>	<i>S.S</i>
15.	CS	A	20UCS010	Bava Dharani.B	<i>B.D</i>	<i>B.D</i>	<i>B.D</i>
16.	CS	A	20UCS013	Uma Dharshini.R.G	<i>U.D</i>	<i>U.D</i>	<i>U.D</i>
17.	CS	B	20UCS014	Srivignovpandian.P.S	<i>SVP</i>	<i>SVP</i>	<i>SVP</i>
18.	CS	B	20UCS015	Saravanabalaji.K	<i>S.B</i>	<i>S.B</i>	<i>S.B</i>

S. No.	Dept.	Sec	Roll No	Student Name	Signature		
					09.00 AM – 10.40 AM	11.00 AM – 12.40 PM	01.30 PM – 04.00 PM
19.	CS	A	20UCS017	Varun.B			
20.	CS	A	20UCS021	Sivaranjani.P			
21.	CS	B	20UCS033	Sreenidhi.R			
22.	CS	A	20UCS039	Sabari Kanth.A			
23.	CS	A	20UCS040	Dhayalan.R.J			
24.	CS	B	20UCS043	Parisath.P			
25.	CS	A	20UCS060	Sahanarini.S			
26.	CS	A	20UCS063	Kaaviya.M			
27.	CS	B	20UCS080	Kavitha.G			
28.	CS	B	20UCS084	Prathiksha.V			
29.	CS	A	20UCS091	Ahamed Adhil.M			
30.	CS	A	20UCS097	Muthuselvam.M			
31.	CS	B	20UCS101	Karpaga Mounika.S			
32.	CS	B	20UCS104	Yashwant Ram.G.A			
33.	CS	A	20UCS106	Vinoth Kumar.T			
34.	CS	A	20UCS109	Suriya.V			
35.	CS	A	20UCS111	Gajendran.R			
36.							
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Trainer(s)

Course coordinator

VAC Co-ordinator(s)

HOD/CSE



Department of Computer Science and Engineering

Value Added Course – MEAN STACK

Attendance Sheet

Total No. of Students: 35 (III CS & AD)

Date: 21.09.2022

Attended Students: 32

Trainers Name: Dr. B. Ezhilavan and Ms. Shobana

Day 3

S. No.	Dept.	Sec	Roll No	Student Name	Signature		
					09.00 AM – 10.40 AM	11.00 AM – 12.40 PM	01.30 PM – 04.00 PM
1.	AD	-	20UAD003	Shiyam Sundar G.S	G.S.S	G.S.S	G.S.S
2.	AD	-	20UAD006	Sharvesh Vishnu.K	AB	AB	AB
3.	AD	-	20UAD007	Mancy Niranjana.A.J	Mancy	Mancy	Mancy
4.	AD	-	20UAD018	Vinoth.G	Vinoth	Vinoth	Vinoth
5.	AD	-	20UAD021	Premkumar.G	Prem	Prem	Prem
6.	AD	-	20UAD022	Zawahar.S	Zawahar	Zawahar	Zawahar
7.	AD	-	20UAD036	Srikumbesh.S	Sri	Sri	Sri
8.	AD	-	20UAD040	Surya.A	AB	AB	AB
9.	AD	-	20UAD046	George Jering.T	George	George	George
10.	AD	-	20UAD032	Dharshini.V	Dharshini	Dharshini	Dharshini
11.	CS	B	20UCS002	Sajiya Begum.A	Sajiya	Sajiya	Sajiya
12.	CS	B	20UCS005	Subashchandrapandian.J	Subash	Subash	Subash
13.	CS	A	20UCS006	Raja Ganesh.S	Raja	Raja	Raja
14.	CS	B	20UCS009	Srimathi.S	Srimathi	Srimathi	Srimathi
15.	CS	A	20UCS010	Bava Dharani.B	Bava	Bava	OD
16.	CS	A	20UCS013	Uma Dharshini.R.G	Uma	Uma	Uma
17.	CS	B	20UCS014	Srivignovpandian.P.S	SVP	SVP	SVP
18.	CS	B	20UCS015	Saravanabalaji.K	Saravan	Saravan	Saravan

S. No.	Dept.	Sec	Roll No	Student Name	Signature		
					09.00 AM – 10.40 AM	11.00 AM – 12.40 PM	01.30 PM – 04.00 PM
19.	CS	A	20UCS017	Varun.B			
20.	CS	A	20UCS021	Sivaranjani.P			
21.	CS	B	20UCS033	Sreenidhi.R			
22.	CS	A	20UCS039	Sabari Kanth.A			
23.	CS	A	20UCS040	Dhayalan.R.J			
24.	CS	B	20UCS043	Parisath.P			
25.	CS	A	20UCS060	Sahanarini.S			
26.	CS	A	20UCS063	Kaaviya.M			
27.	CS	B	20UCS080	Kavitha.G			
28.	CS	B	20UCS084	Prathiksha.V			
29.	CS	A	20UCS091	Ahamed Adhil.M			
30.	CS	A	20UCS097	Muthuselvam.M			
31.	CS	B	20UCS101	Karpaga Mounika.S			
32.	CS	B	20UCS104	Yashwant Ram.G.A			
33.	CS	A	20UCS106	Vinoth Kumar.T			
34.	CS	A	20UCS109	Suriya.V			
35.	CS	A	20UCS111	Gajendran.R			
36.							
37.							
38.							
39.							
40.							

Trainer(s)

Course coordinator

VAC Co-ordinator(s)

HOD/CSE



Department of Computer Science and Engineering

Value Added Course – MEAN STACK

Attendance Sheet

Total No. of Students: 35 (III CS & AD)

Date: 22.09.2022

Attended Students: **31**

Trainers Name: Dr. B. Ezhilavan and Ms. Shobana

Day 4

S. No.	Dept.	Sec	Roll No	Student Name	Signature		
					09.00 AM – 10.40 AM	11.00 AM – 12.40 PM	01.30 PM – 04.00 PM
1.	AD	-	20UAD003	Shiyam Sundar G.S	G.S.S	G.S.S	G.S.S
2.	AD	-	20UAD006	Sharvesh Vishnu.K	AB	AB	AB
3.	AD	-	20UAD007	Mancy Niranjana.A.J	Mancy	Mancy	Mancy
4.	AD	-	20UAD018	Vinoth.G	Vinoth	Vinoth	Vinoth
5.	AD	-	20UAD021	Premkumar.G	Premkumar	Premkumar	Premkumar
6.	AD	-	20UAD022	Zawahar.S	Zawahar	Zawahar	Zawahar
7.	AD	-	20UAD036	Srikumbesh.S	Sri	Sri	Sri
8.	AD	-	20UAD040	Surya.A	Surya	Surya	Surya
9.	AD	-	20UAD046	George Jering.T	George	George	George
10.	AD	-	20UAD032	Dharshini.V	Dharshini	Dharshini	Dharshini
11.	CS	B	20UCS002	Sajiya Begum.A	Sajiya	Sajiya	Sajiya
12.	CS	B	20UCS005	Subashchandrapandian.J	Subash	Subash	Subash
13.	CS	A	20UCS006	Raja Ganesh.S	Raja	Raja	Raja
14.	CS	B	20UCS009	Srimathi.S	Srimathi	Srimathi	Srimathi
15.	CS	A	20UCS010	Bava Dharani.B	Bava	Bava	Bava
16.	CS	A	20UCS013	Uma Dharshini.R.G	AB	AB	AB
17.	CS	B	20UCS014	Srivignovpandian.P.S	SVP	SVP	SVP
18.	CS	B	20UCS015	Saravanabalaji.K	Saravan	Saravan	Saravan

S. No.	Dept.	Sec	Roll No	Student Name	Signature		
					09.00 AM – 10.40 AM	11.00 AM – 12.40 PM	01.30 PM – 04.00 PM
19.	CS	A	20UCS017	Varun.B			
20.	CS	A	20UCS021	Sivaranjani.P			
21.	CS	B	20UCS033	Sreenidhi.R			
22.	CS	A	20UCS039	Sabari Kanth.A			
23.	CS	A	20UCS040	Dhayalan.R.J			
24.	CS	B	20UCS043	Parisath.P			
25.	CS	A	20UCS060	Sahanarini.S			
26.	CS	A	20UCS063	Kaaviya.M			
27.	CS	B	20UCS080	Kavitha.G			
28.	CS	B	20UCS084	Prathiksha.V			
29.	CS	A	20UCS091	Ahamed Adhil.M			
30.	CS	A	20UCS097	Muthuselvam.M			
31.	CS	B	20UCS101	Karpaga Mounika.S	AB	AB	AB
32.	CS	B	20UCS104	Yashwant Ram.G.A			
33.	CS	A	20UCS106	Vinoth Kumar.T	AB	AB	AB
34.	CS	A	20UCS109	Suriya.V			
35.	CS	A	20UCS111	Gajendran.R			
36.							
37.							
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Trainer(s)

 Course coordinator

VAC Co-ordinator(s)

HOD/CSE

Department of Computer Science and Engineering

Value Added Course – MEAN STACK

Attendance Sheet

Total No. of Students: 35 (III CS & AD)

Date: 23.09.2022

Attended Students: 32

Trainers Name: Dr. B. Ezhilavan and Ms. Shobana

Day 5

S. No.	Dept.	Sec	Roll No	Student Name	Signature		
					09.00 AM – 10.40 AM	11.00 AM – 12.40 PM	01.30 PM – 04.00 PM
1.	AD	-	20UAD003	Shiyam Sundar G.S	<i>G.S.Sundar</i>	<i>G.S.Sundar</i>	<i>G.S.Sundar</i>
2.	AD	-	20UAD006	Sharvesh Vishnu.K	<i>Rishabh</i>	<i>Rishabh</i>	<i>Rishabh</i>
3.	AD	-	20UAD007	Mancy Niranjana.A.J	<i>Mancy</i>	<i>Mancy</i>	<i>Mancy</i>
4.	AD	-	20UAD018	Vinoth.G	<i>Vinoth</i>	<i>Vinoth</i>	<i>Vinoth</i>
5.	AD	-	20UAD021	Premkumar.G	<i>Premkumar</i>	<i>Premkumar</i>	<i>Premkumar</i>
6.	AD	-	20UAD022	Zawahar.S	AB	AB	AB
7.	AD	-	20UAD036	Srikumbesh.S	<i>Sukh</i>	<i>Sukh</i>	<i>Sukh</i>
8.	AD	-	20UAD040	Surya.A	<i>A.Surya</i>	<i>A.Surya</i>	<i>A.Surya</i>
9.	AD	-	20UAD046	George Jering.T	<i>George</i>	<i>George</i>	<i>George</i>
10.	AD	-	20UAD032	Dharshini.V	<i>Dharshini</i>	<i>Dharshini</i>	<i>Dharshini</i>
11.	CS	B	20UCS002	Sajiya Begum.A	<i>Sajiya</i>	<i>Sajiya</i>	<i>Sajiya</i>
12.	CS	B	20UCS005	Subashchandrapandian.J	<i>J.Subash</i>	<i>J.Subash</i>	<i>J.Subash</i>
13.	CS	A	20UCS006	Raja Ganesh.S	<i>Raja</i>	<i>Raja</i>	<i>Raja</i>
14.	CS	B	20UCS009	Srimathi.S	AB	AB	AB
15.	CS	A	20UCS010	Bava Dharani.B	<i>Bava</i>	<i>Bava</i>	<i>Bava</i>
16.	CS	A	20UCS013	Uma Dharshini.R.G	<i>Uma</i>	<i>Uma</i>	<i>Uma</i>
17.	CS	B	20UCS014	Srivignovpandian.P.S	<i>SVP</i>	<i>SVP</i>	<i>SVP</i>
18.	CS	B	20UCS015	Saravanabalaji.K	<i>K.Saravan</i>	<i>K.Saravan</i>	<i>K.Saravan</i>

S. No.	Dept.	Sec	Roll No	Student Name	Signature		
					09.00 AM – 10.40 AM	11.00 AM – 12.40 PM	01.30 PM – 04.00 PM
19.	CS	A	20UCS017	Varun.B	<i>Varun.B</i>	<i>Varun.B</i>	<i>Varun.B</i>
20.	CS	A	20UCS021	Sivaranjani.P	<i>Sivaranjani.P</i>	<i>Sivaranjani.P</i>	<i>Sivaranjani.P</i>
21.	CS	B	20UCS033	Sreenidhi.R	AB	AB	AB.
22.	CS	A	20UCS039	Sabari Kanth.A	<i>Sabari Kanth.A</i>	<i>Sabari Kanth.A</i>	<i>Sabari Kanth.A</i>
23.	CS	A	20UCS040	Dhayalan.R.J	<i>J. Dhayalan</i>	<i>J. Dhayalan</i>	<i>J. Dhayalan</i>
24.	CS	B	20UCS043	Parisath.P	<i>Parisath</i>	<i>Parisath</i>	<i>Parisath.</i>
25.	CS	A	20UCS060	Sahanarini.S	<i>Sahanarini.S</i>	<i>Sahanarini.S</i>	<i>Sahanarini.S</i>
26.	CS	A	20UCS063	Kaaviya.M	<i>M. Kaaviya</i>	<i>M. Kaaviya</i>	<i>M. Kaaviya</i>
27.	CS	B	20UCS080	Kavitha.G	<i>G. Kavitha</i>	<i>G. Kavitha</i>	<i>G. Kavitha</i>
28.	CS	B	20UCS084	Prathiksha.V	<i>V. Prathiksha</i>	<i>V. Prathiksha</i>	<i>V. Prathiksha</i>
29.	CS	A	20UCS091	Ahamed Adhil.M	<i>Ahmed Adhil.M</i>	<i>Ahmed Adhil.M</i>	<i>Ahmed Adhil.M</i>
30.	CS	A	20UCS097	Muthuselvam.M	<i>Muthuselvam.M</i>	<i>Muthuselvam.M</i>	<i>Muthuselvam.M</i>
31.	CS	B	20UCS101	Karpaga Mounika.S	<i>S. Karpaga Mounika</i>	<i>S. Karpaga Mounika</i>	<i>S. Karpaga Mounika</i>
32.	CS	B	20UCS104	Yashwant Ram.G.A	<i>G.A. Yashwant Ram</i>	<i>G.A. Yashwant Ram</i>	<i>G.A. Yashwant Ram</i>
33.	CS	A	20UCS106	Vinoth Kumar.T	<i>T. Vinoth Kumar</i>	<i>T. Vinoth Kumar</i>	<i>T. Vinoth Kumar</i>
34.	CS	A	20UCS109	Suriya.V	<i>V. Suriya</i>	<i>V. Suriya</i>	<i>V. Suriya</i>
35.	CS	A	20UCS111	Gajendran.R	<i>R. Gajendran</i>	<i>R. Gajendran</i>	<i>R. Gajendran</i>
36.							
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[Signature]
Trainer(s)

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Course coordinator

[Signature]
VAC Co-ordinator(s)

[Signature]
HOD/CSE

Department of Computer Science and Engineering

Value Added Course – MEAN STACK

Attendance Sheet

Total No. of Students: 35 (III CS & AD)

Date: 24.09.2022

Attended Students: 28

Trainers Name: Dr. B. Ezhilavan and Ms. Shobana

Day 6

S. No.	Dept.	Sec	Roll No	Student Name	Signature		
					09.00 AM – 10.40 AM	11.00 AM – 12.40 PM	01.30 PM – 04.00 PM
1.	AD	-	20UAD003	Shiyam Sundar G.S	<i>G.S. Shiyam</i>	<i>G.S. Shiyam</i>	<i>G.S. Shiyam</i>
2.	AD	-	20UAD006	Sharvesh Vishnu.K	AB	AB	AB
3.	AD	-	20UAD007	Mancy Niranjana.A.J	AB	AB	AB
4.	AD	-	20UAD018	Vinoth.G	<i>Vinoth</i>	<i>Vinoth</i>	<i>Vinoth</i>
5.	AD	-	20UAD021	Premkumar.G	AB	AB	AB
6.	AD	-	20UAD022	Zawahar.S	AB	AB	AB
7.	AD	-	20UAD036	Srikumbesh.S	<i>Sre</i>	<i>Sre</i>	<i>Sre</i>
8.	AD	-	20UAD040	Surya.A	AB	AB	AB
9.	AD	-	20UAD046	George Jering.T	<i>Ge</i>	<i>Ge</i>	<i>Ge</i>
10.	AD	-	20UAD032	Dharshini.V	AB	AB	AB
11.	CS	B	20UCS002	Sajiya Begum.A	<i>S. Sajiya</i>	<i>S. Sajiya</i>	<i>S. Sajiya</i>
12.	CS	B	20UCS005	Subashchandrapandian.J	<i>J. Subash</i>	<i>J. Subash</i>	<i>J. Subash</i>
13.	CS	A	20UCS006	Raja Ganesh.S	<i>R. Ganesh</i>	<i>R. Ganesh</i>	<i>R. Ganesh</i>
14.	CS	B	20UCS009	Srimathi.S	<i>S. Srimathi</i>	<i>S. Srimathi</i>	<i>S. Srimathi</i>
15.	CS	A	20UCS010	Bava Dharani.B	<i>B. Dharani</i>	<i>B. Dharani</i>	<i>B. Dharani</i>
16.	CS	A	20UCS013	Uma Dharshini.R.G	<i>U. Dharshini</i>	<i>U. Dharshini</i>	<i>U. Dharshini</i>
17.	CS	B	20UCS014	Srivignovpandian.P.S	<i>SVP</i>	<i>SVP</i>	<i>SVP</i>
18.	CS	B	20UCS015	Saravanabalaji.K	<i>K. Saravan</i>	<i>K. Saravan</i>	<i>K. Saravan</i>

S. No.	Dept.	Sec	Roll No	Student Name	Signature		
					09.00 AM – 10.40 AM	11.00 AM – 12.40 PM	01.30 PM – 04.00 PM
19.	CS	A	20UCS017	Varun.B			
20.	CS	A	20UCS021	Sivaranjani.P			
21.	CS	B	20UCS033	Sreenidhi.R			
22.	CS	A	20UCS039	Sabari Kanth.A			
23.	CS	A	20UCS040	Dhayalan.R.J			
24.	CS	B	20UCS043	Parisath.P			
25.	CS	A	20UCS060	Sahanarini.S			
26.	CS	A	20UCS063	Kaaviya.M			
27.	CS	B	20UCS080	Kavitha.G	AB	AB	AB
28.	CS	B	20UCS084	Prathiksha.V			
29.	CS	A	20UCS091	Ahamed Adhil.M			
30.	CS	A	20UCS097	Muthuselvam.M			
31.	CS	B	20UCS101	Karpaga Mounika.S			
32.	CS	B	20UCS104	Yashwant Ram.G.A			
33.	CS	A	20UCS106	Vinoth Kumar.T	AB	AB	AB
34.	CS	A	20UCS109	Suriya.V			
35.	CS	A	20UCS111	Gajendran.R			
36.							
37.							
38.							
39.							
40.							

Trainer(s)

Course coordinator

VAC Co-ordinator(s)

HOD/CSE

Review: VAC - Mean stack - External Assessment - 30.09.2022

Respondent

8

SAHANARINI.S(CS)

28:30

Time to complete

54/60

Points

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

1. What will be the output of the following code snippet?

```
var a = Math.max();  
var b = Math.min();  
console.log(a);  
console.log(b); *
```

- Infinity Infinity ✓
- Infinity -Infinity
- Infinity Infinity
- Infinity -Infinity

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

2. **NoSQL databases is used mainly for handling large volumes of _____ data ***

- Structured
- Unstructured ✓
- Semi-structured
- None

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

3. **AngularJS is perfect for? ***

- MPAs
- DPAs
- CPAs
- SPAs ✓

✗ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

4. **Node.js is written in which language? ***

- C++ ✓
- JavaScript
- C
- Java

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

5. **What happens when we run this code?**

```
function dog() {  
  print("I am a dog.");  
}  
dog.sound = "Bark"; *
```

- Syntax Error
- "I am a dog" gets printed
- ReferenceError
- Nothing happens ✓

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

6. **What is MongoDB? ***

- An Access database
- A NoSQL database ✓
- A SQL database
- A file system

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

7. **Among the following, on which architectural pattern is AngularJS based? ***

- Decorator pattern
- Observer pattern
- MVVM architecture pattern ✓
- MVC architecture pattern

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

8. **Default scope in Node.js application is? ***

- Global
- Local ✓
- Local to Object
- None of the above

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

9. **We enclose HTML tags within? ***

- {}
- < > ✓
- !!
- None of the above

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

10. **Which of the following is the correct syntax for using the HTML style attribute? ***

- <tagname style = "property: value;"> ✓
- <tagname style = "property;">
- <tagname style >
- None of the above

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

11. **What is the maximum size of a MongoDB document? ***

- 16 MB ✓
- 2 MB
- 12 MB
- None

✗ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

12. **Which HTML tag is used to declare internal CSS? ***

- <style> ✓
- <link>
- <script>
- None of the above

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

13. **What will be the output of the below code in the console?**

File: my_module.js

exports.name = 'Zeus';

Code:

```
var my_module = require('./mymodule');  
console.log((function(settings){  
  return settings.split('').reverse().join('')  
})(my_module.name)); *
```

- Error ✓
- Zeus
- undefined
- Suez

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

14. **What function arguments are available to Express.js Route handlers? ***

- req - the request object
- res - the response object
- next
- All of the above ✓

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

15. **Which command in MongoDB is equivalent to SQL select? ***

- search()
- find () ✓
- document
- none

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

16. **The syntax used to create a module in AngularJS is: ***

- module("app",[]) ✓
- var myModule=angular.module();
- var myModule = new Module();
- None of the above

✗ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

17. **To include the HTTP server in the node module, what function do we use? ***

- get()
- require()
- createServer() ✓
- None of the above

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

18. **What is the preferred format to store geospatial data in MongoDB? ***

- Latitude, longitude
- GeoJSON ✓
- BSON
- XML

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

19. **Who is the father of AngularJS? ***

- Misko Hevery ✓
- Brad Green
- Mike Adams
- Adam a bronze

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

20. **What method is used to return the current working directory of the process? ***

- cwd()
- pwd() ✓
- cmd()
- None of the above

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

21. **Which of the following method corresponds to Order by clause in SQL? ***

- sort() ✓
- orderby()
- order()
- none

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

22. **Choose the reactor which is used to bind the application data to the HTML view in AngularJS ***

- ng-bind directive ✓
- ng-model directive
- ng-init directive
- ng-app directive

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

23. **Which of the following are examples of node modules? ***

- Express
- Body-parser
- Socket. io
- All of the above ✓

✗ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

24. **What are core features of Express framework? ***

- Allows to set up middlewares to respond to HTTP Requests ✓
- Defines a routing table which can works as per HTTP Method and URL
- Dynamically render HTML Pages
- All of the above

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

25. **Which of the following format is supported by MongoDB ? ***

- XML
- SQL
- JSON ✓
- All of the above

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

26. **Module created by using AngularJS function is known as ***

- module()
- mod()
- Angular module() ✓
- mdl()

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

27. **We can kill a process in Node.js using the keyboard shortcut? ***

- Ctrl + C ✓
- Ctrl + B
- Ctrl + K
- None of the above

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

28. **How to store local variables that can be access within the application? ***

- Using app.locals ✓
- Using app. storage
- Using database
- Config file

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

29. **Which of the following is not part of _id? ***

- MachinelD
- Timestamp
- ProcessID
- documentID ✓

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

30. **The router is a part of which of the following given models? ***

- @angular/router ✓
- @angular/core
- Both a and b
- None of the above

✓ **Correct** 2/2 Points

2 / 2 pts
Auto-graded

31. **The node object property which is used to return the node just before the current node is? ***

- localName
- index
- previousSibling ✓
- None of the above

✓ **Correct** 2/2 Points

2 / 2 pts
Auto-graded

32. **Route paths, in combination with a request method, define the endpoints at which requests can be made. Which of following are valid form of route path? ***

- strings
- string patterns
- regular expressions
- All of above ✓

✓ **Correct** 2/2 Points

2 / 2 pts
Auto-graded

33. **Which programming language is used to write MongoDB queries? ***

- JavaScript ✓
- Python
- SQL
- TypeScript

✓ **Correct** 2/2 Points

2 / 2 pts
Auto-graded

34. **Which of the following are examples of NodeJS streams types? ***

- Writable
- Duplex
- Readable
- All of the above ✓

✓ **Correct** 2/2 Points

2 / 2 pts
Auto-graded

35. **Where is captured values are populated regarding route parameters? ***

- req.params object ✓
- app.locals object
- [req.data](#) object
- None of above

✓ **Correct** 2/2 Points

2 / 2 pts
Auto-graded

36. **You have two text fields in your document and you'd like both to be quickly searchable. What should you do? ***

- mongoDB is not able to do this
- create a compound text index using both fields
- create a text index on one field and a single field index on the other
- create a text index on each field ✓

✓ **Correct** 2/2 Points

2 / 2 pts
Auto-graded

37. **Which decorator is used for configuring model class ***

- @NgApp
- @NgModule ✓
- Both a and b are correct
- None of the above

✓ **Correct** 2/2 Points

2 / 2 pts
Auto-graded

38. **variable in REPL session of NodeJS is used for? ***

- It is used to store the result ✓
- It is used to get the last command that was used
- It is used to get the last result
- None of the above

✓ **Correct** 2/2 Points

2 / 2 pts
Auto-graded

39. **What function arguments are available to Express.js Route handlers? ***

- req - the request object
- res - the response object
- next
- All of the above ✓

✓ **Correct** 2/2 Points

2 / 2 pts
Auto-graded

40. **Among the following which is not built-in a pipe in angular? ***

- CurrencyPipe
- DataPipe ✓
- PercentPipe
- none of the above

✗ **Incorrect** 0/2 Points

0 / 2 pts
Auto-graded

41. **Which node module is used for zip and unzip functionalities? ***

- ZLIB ✓
- buffer
- binary
- None of the above

✓ **Correct** 2/2 Points

2 / 2 pts
Auto-graded

42. **How can we create chainable route handlers for a route path in ExpressJS app? ***

- Using app. route() ✓
- Using app. router()
- Using app. routing()
- All of these

✓ **Correct** 2/2 Points

2 / 2 pts
Auto-graded

43. **Choose the valid AngularJS expression. ***

- {(2+2)}
- {2+2}
- {{2+2}} ✓
- ((2+2))

✓ **Correct** 2/2 Points

2 / 2 pts
Auto-graded

44. **Imagine that you sent following ajax request:**

```
$.post("/process", {name:'john'},  
function(data){  
  // Do some stuff  
});
```

What will be the answer from the server?

Tip: On server side, we have the code which is given below

Code:

```
app.post('/process', function(req, res){  
  var data = "";  
  if(req.xhr){  
    data += 'One';  
  }  
  if(req.body.name){  
    data += 'Two';  
  }  
  res.send(data);  
}); *
```

- OneTwo' ✓
- 'One'
- 'Two'
- All of these

✓ **Correct** 2/2 Points

2 / 2 pts
Auto-graded

45. In ExpressJS, the method `app.all(path, callback [, callback ...])` can accept all HTTP methods *

- True ✓
- False
- Insufficient data
- None

VAC - Mean stack - External Assessment - 30.09.2022

35

Responses

48.6

Average Score

Active

Status

1. What will be the output of the following code snippet? (1 point)

```
var a = Math.max();  
var b = Math.min();  
console.log(a);  
console.log(b);
```

74% of respondents (26 of 35) answered this question correctly.

<input checked="" type="radio"/> -Infinity Infinity	26	✓
<input type="radio"/> Infinity -Infinity	9	
<input type="radio"/> Infinity Infinity	0	
<input type="radio"/> -Infinity -Infinity	0	



2. **NoSQL databases is used mainly for handling large volumes of _____** (1 point)
data

100% of respondents (35 of 35) answered this question correctly.

<input type="radio"/> Structured	0	
<input checked="" type="radio"/> Unstructured	35	✓
<input type="radio"/> Semi-structured	0	
<input type="radio"/> None	0	



3. AngularJS is perfect for? (1 point)

94% of respondents (33 of 35) answered this question correctly.

● MPAs	1
● DPAs	0
● CPAs	1
● SPAs	33 ✓



4. Node.js is written in which language? (1 point)

6% of respondents (2 of 35) answered this question correctly.

● C++	2 ✓
● JavaScript	31
● C	0
● Java	2



5. What happens when we run this code? (1 point)

```
function dog() {  
  print("I am a dog.");  
}
```

```
dog.sound = "Bark";
```

54% of respondents (19 of 35) answered this question correctly.

● Syntax Error	0
● "I am a dog" gets printed	4
● ReferenceError	12
● Nothing happens	19 ✓



6. **What is MongoDB?** (1 point)

100% of respondents (35 of 35) answered this question correctly.

<input type="radio"/>	An Access database	0	
<input checked="" type="radio"/>	A NoSQL database	35	✓
<input type="radio"/>	A SQL database	0	
<input type="radio"/>	A file system	0	



7. **Among the following, on which architectural pattern is AngularJS based?**

(1 point)

100% of respondents (35 of 35) answered this question correctly.

<input type="radio"/>	Decorator pattern	0	
<input type="radio"/>	Observer pattern	0	
<input checked="" type="radio"/>	MVVM architecture pattern	35	✓
<input type="radio"/>	MVC architecture pattern	0	



8. **Default scope in Node.js application is?** (1 point)

100% of respondents (35 of 35) answered this question correctly.

<input type="radio"/>	Global	0	
<input checked="" type="radio"/>	Local	35	✓
<input type="radio"/>	Local to Object	0	
<input type="radio"/>	None of the above	0	



9. **We enclose HTML tags within?** (1 point)

97% of respondents (34 of 35) answered this question correctly.

<input type="radio"/> {}	1
<input checked="" type="radio"/> < >	34 ✓
<input type="radio"/> !!	0
<input type="radio"/> None of the above	0



10. **Which of the following is the correct syntax for using the HTML style attribute?**

(1 point)

97% of respondents (34 of 35) answered this question correctly.

<input checked="" type="radio"/> <tagname style = "property: val...	34 ✓
<input type="radio"/> <tagname style = "property;">	1
<input type="radio"/> <tagname style >	0
<input type="radio"/> None of the above	0



11. **What is the maximum size of a MongoDB document?** (1 point)

97% of respondents (34 of 35) answered this question correctly.

<input checked="" type="radio"/> 16 MB	34 ✓
<input type="radio"/> 2 MB	0
<input type="radio"/> 12 MB	0
<input type="radio"/> None	1



12. Which HTML tag is used to declare internal CSS? (1 point)

83% of respondents (29 of 35) answered this question correctly.

<input checked="" type="radio"/>	<style>	29	✓
<input type="radio"/>	<link>	6	
<input type="radio"/>	<script>	0	
<input type="radio"/>	None of the above	0	



13. What will be the output of the below code in the console? (1 point)

File: my_module.js

```
exports.name = 'Zeus';
```

Code:

```
var my_module = require('./mymodule');  
console.log((function(settings){  
    return settings.split('').reverse().join("")  
})(my_module.name));
```

63% of respondents (22 of 35) answered this question correctly.

<input checked="" type="radio"/>	Error	22	✓
<input type="radio"/>	Zeus	0	
<input type="radio"/>	undefined	0	
<input type="radio"/>	Suez	13	



14. What function arguments are available to Express.js Route handlers? (1 point)

89% of respondents (31 of 35) answered this question correctly.

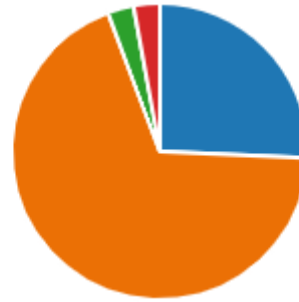
<input type="radio"/>	req - the request object	2	
<input type="radio"/>	res - the response object	1	
<input type="radio"/>	next	1	
<input checked="" type="radio"/>	All of the above	31	✓



15. **Which command in MongoDB is equivalent to SQL select?** (1 point)

69% of respondents (24 of 35) answered this question correctly.

<input type="radio"/> search()	9
<input checked="" type="radio"/> find ()	24 ✓
<input type="radio"/> document	1
<input type="radio"/> none	1



16. **The syntax used to create a module in AngularJS is:** (1 point)

69% of respondents (24 of 35) answered this question correctly.

<input checked="" type="radio"/> module("app",[])	24 ✓
<input type="radio"/> var myModule=angular.module();	9
<input type="radio"/> var myModule = new Module();	1
<input type="radio"/> None of the above	1



17. **To include the HTTP server in the node module, what function do we use?**

(1 point)

31% of respondents (11 of 35) answered this question correctly.

<input type="radio"/> get()	0
<input type="radio"/> require()	23
<input checked="" type="radio"/> createServer()	11 ✓
<input type="radio"/> None of the above	1



18. **What is the preferred format to store geospatial data in MongoDB?** (1 point)

97% of respondents (34 of 35) answered this question correctly.

Latitude, longitude	0
GeoJSON	34 ✓
BSON	1
XML	0



19. **Who is the father of AngularJS?** (1 point)

97% of respondents (34 of 35) answered this question correctly.

Misko Hevery	34 ✓
Brad Green	0
Mike Adams	1
Adam a bronze	0



20. **What method is used to return the current working directory of the process?**

(1 point)

77% of respondents (27 of 35) answered this question correctly.

cwd()	8
pwd()	27 ✓
cmd()	0
None of the above	0



21. Which of the following method corresponds to Order by clause in SQL?

(1 point)

63% of respondents (22 of 35) answered this question correctly.

<input checked="" type="radio"/> sort()	22 ✓
<input type="radio"/> orderby()	13
<input type="radio"/> order()	0
<input type="radio"/> none	0



22. Choose the reactor which is used to bind the application data to the HTML view in AngularJS

(1 point)

97% of respondents (34 of 35) answered this question correctly.

<input checked="" type="radio"/> ng-bind directive	34 ✓
<input type="radio"/> ng-model directive	0
<input type="radio"/> ng-init directive	1
<input type="radio"/> ng-app directive	0



23. Which of the following are examples of node modules? (1 point)

69% of respondents (24 of 35) answered this question correctly.

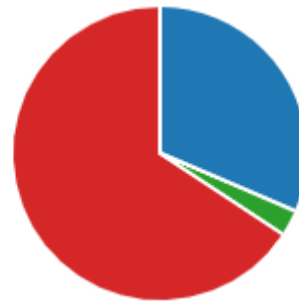
<input type="radio"/> Express	11
<input type="radio"/> Body-parser	0
<input type="radio"/> Socket.io	0
<input checked="" type="radio"/> All of the above	24 ✓



24. **What are core features of Express framework?** (1 point)

31% of respondents (11 of 35) answered this question correctly.

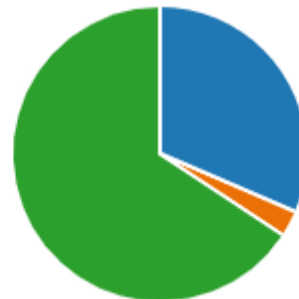
- Allows to set up middlewares to... 11 ✓
- Defines a routing table which ca... 0
- Dynamically render HTML Pages 1
- All of the above 23



25. **Which of the following format is supported by MongoDB ?** (1 point)

66% of respondents (23 of 35) answered this question correctly.

- XML 11
- SQL 1
- JSON 23 ✓
- All of the above 0



26. **Module created by using AngularJS function is known as** (1 point)

80% of respondents (28 of 35) answered this question correctly.

- module() 4
- mod() 3
- Angular module() 28 ✓
- mdl() 0



27. **We can kill a process in Node.js using the keyboard shortcut?** (1 point)

94% of respondents (33 of 35) answered this question correctly.

● Ctrl + C	33	✓
● Ctrl + B	1	
● Ctrl + K	0	
● None of the above	1	



28. **How to store local variables that can be access within the application?** (1 point)

97% of respondents (34 of 35) answered this question correctly.

● Using app.locals	34	✓
● Using app. storage	0	
● Using database	0	
● Config file	1	



29. **Which of the following is not part of _id?** (1 point)

43% of respondents (15 of 35) answered this question correctly.

● MachineID	14	
● Timestamp	5	
● ProcessID	1	
● documentID	15	✓



30. **The router is a part of which of the following given models?** (1 point)

37% of respondents (13 of 35) answered this question correctly.

● @angular/router	13	✓
● @angular/core	22	
● Both a and b	0	
● None of the above	0	



31. **The node object property which is used to return the node just before the current node is?** (2 points)

91% of respondents (32 of 35) answered this question correctly.

<input type="radio"/> localName	3
<input type="radio"/> index	0
<input checked="" type="radio"/> previousSibling	32 ✓
<input type="radio"/> None of the above	0



32. **Route paths, in combination with a request method, define the endpoints at which requests can be made. Which of following are valid form of route path?** (2 points)

97% of respondents (34 of 35) answered this question correctly.

<input type="radio"/> strings	0
<input type="radio"/> string patterns	0
<input type="radio"/> regular expressions	1
<input checked="" type="radio"/> All of above	34 ✓



33. **Which programming language is used to write MongoDB queries?** (2 points)

94% of respondents (33 of 35) answered this question correctly.

<input checked="" type="radio"/> JavaScript	33 ✓
<input type="radio"/> Python	1
<input type="radio"/> SQL	1
<input type="radio"/> TypeScript	0



34. Which of the following are examples of NodeJS streams types? (2 points)

91% of respondents (32 of 35) answered this question correctly.

<input type="radio"/>	Writable	3	
<input type="radio"/>	Duplex	0	
<input type="radio"/>	Readable	0	
<input checked="" type="radio"/>	All of the above	32	✓



35. Where is captured values are populated regarding route parameters? (2 points)

97% of respondents (34 of 35) answered this question correctly.

<input checked="" type="radio"/>	req.params object	34	✓
<input type="radio"/>	app.locals object	0	
<input type="radio"/>	req.data object	1	
<input type="radio"/>	None of above	0	



36. You have two text fields in your document and you'd like both to be quickly searchable. What should you do? (2 points)

(2 points)

83% of respondents (29 of 35) answered this question correctly.

<input type="radio"/>	mongoDB is not able to do this	0	
<input type="radio"/>	create a compound text index u...	2	
<input type="radio"/>	create a text index on one field ...	4	
<input checked="" type="radio"/>	create a text index on each field	29	✓



37. **Which decorator is used for configuring model class** (2 points)

97% of respondents (34 of 35) answered this question correctly.

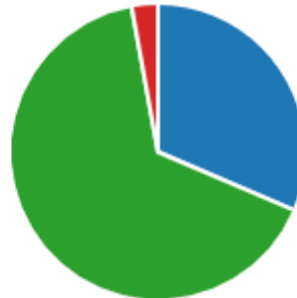
● @NgApp	1
● @NgModule	34 ✓
● Both a and b are correct	0
● None of the above	0



38. **variable in REPL session of NodeJS is used for?** (2 points)

31% of respondents (11 of 35) answered this question correctly.

● It is used to store the result	11 ✓
● It is used to get the last comma...	0
● It is used to get the last result	23
● None of the above	1



39. **What function arguments are available to Express.js Route handlers?** (2 points)

89% of respondents (31 of 35) answered this question correctly.

● req - the request object	1
● res - the response object	0
● next	3
● All of the above	31 ✓



40. **Among the following which is not built-in a pipe in angular?** (2 points)

100% of respondents (35 of 35) answered this question correctly.

<input type="radio"/> CurrencyPipe	0
<input checked="" type="radio"/> DataPipe	35 ✓
<input type="radio"/> PercentPipe	0
<input type="radio"/> none of the above	0



41. **Which node module is used for zip and unzip functionalities?** (2 points)

66% of respondents (23 of 35) answered this question correctly.

<input checked="" type="radio"/> ZLIB	23 ✓
<input type="radio"/> buffer	0
<input type="radio"/> binary	8
<input type="radio"/> None of the above	4



42. **How can we create chainable route handlers for a route path in ExpressJS app?**

(2 points)

100% of respondents (35 of 35) answered this question correctly.

<input checked="" type="radio"/> Using app. route()	35 ✓
<input type="radio"/> Using app. router()	0
<input type="radio"/> Using app. routing()	0
<input type="radio"/> All of these	0



43. Choose the valid AngularJS expression. (2 points)

63% of respondents (22 of 35) answered this question correctly.

<input type="radio"/> {{2+2}}	12
<input type="radio"/> {2+2}	1
<input checked="" type="radio"/> {{2+2}}	22 ✓
<input type="radio"/> ((2+2))	0



44. Imagine that you sent following ajax request: (2 points)

```
$.post("/process", {name:'john'}, function(data){  
  // Do some stuff
```

```
});
```

What will be the answer from the server?

Tip: On server side, we have the code which is given below

Code:

```
app.post('/process', function(req, res){  
  var data = '';  
  if(req.xhr){  
    data += 'One';  
  }  
  if(req.body.name){  
    data += 'Two';  
  }  
  res.send(data);  
});
```

97% of respondents (34 of 35) answered this question correctly.

<input checked="" type="radio"/> OneTwo'	34 ✓
<input type="radio"/> 'One'	1
<input type="radio"/> 'Two'	0
<input type="radio"/> All of these	0



45. In ExpressJS, the method `app.all(path, callback [, callback ...])` can accept all HTTP methods

(2 points)

97% of respondents (34 of 35) answered this question correctly.

True	34	✓
False	1	
Insufficient data	0	
None	0	



Department of Computer Science and Engineering

Value Added Course on MEAN Stack

Internal Marks

Year: III CSE & ADS

Date: 19.9.2022 to 24.9.2022

Sl.No.	Roll No.	Reg. No.	Student Name	Content (10)	Organization of content (10)	Presentation (10)	Queries (10)	Total (40)
1	20UAD003	920420UAD003	SHIYAM SUNDAR G.S	10	10	10	10	40
2	20UAD006	920420UAD006	SHARVESH VISHNU.K	5	10	10	10	35
3	20UAD007	920420UAD007	MANCY NIRANJANA.A.J	10	5	10	10	35
4	20UAD018	920420UAD018	VINOTH.G	10	10	10	10	40
5	20UAD021	920420UAD021	PREMKUMAR.G	5	10	10	10	35
6	20UAD022	920420UAD022	ZAWAHAR.S	10	5	10	10	35
7	20UAD032	920420UAD032	DHARSHINI.V	5	10	10	10	35
8	20UAD036	920420UAD036	SRIKUMBESH.S	10	10	10	10	40
9	20UAD040	920420UAD040	SURYA.A	5	10	10	10	35
10	20UAD046	920420UAD046	GEORGE JERIN.T	10	5	10	10	35
11	20UCS002	920420UCS002	SAJIYA BEGUM.A	10	10	10	10	40
12	20UCS005	920420UCS005	SUBASHCHANDRAPANDIAN.J	10	10	10	10	40
13	20UCS006	920420UCS006	RAJA GANESH.S	10	10	10	10	40
14	20UCS009	920420UCS009	SRIMATHI.S	10	10	10	10	40
15	20UCS010	920420UCS010	BAVA DHARANI.B	10	10	10	10	40
16	20UCS013	920420UCS013	UMA DHARSHINI.R.G	10	10	10	10	40
17	20UCS014	920420UCS014	SRIVIGNOVPAANDIAN.P.S	10	10	10	10	40
18	20UCS015	920420UCS015	SARAVANABALAJI.K	10	10	10	10	40

19	20UCS017	920420UCS017	VARUN.B	10	10	10	10	10	40
20	20UCS021	920420UCS021	SIVARANJANI.P	10	10	10	10	10	40
21	20UCS033	920420UCS033	SREENIDHI.R	5	10	10	10	10	35
22	20UCS039	920420UCS039	SABARI KANTH.A	10	10	10	10	10	40
23	20UCS040	920420UCS040	DHAYALAN.R.J	10	10	10	10	10	40
24	20UCS043	920420UCS043	PARISATH.P	10	10	10	10	10	40
25	20UCS060	920420UCS060	SAHANARINI.S	10	10	10	10	10	40
26	20UCS063	920420UCS063	KAAVIYA.M	10	10	10	10	10	40
27	20UCS080	920420UCS080	KAVITHA.G	10	10	10	10	10	40
28	20UCS084	920420UCS084	PRATHIKSHA.V	10	10	10	10	10	40
29	20UCS091	920420UCS091	AHAMED ADHIL.M	10	10	10	10	10	40
30	20UCS097	920420UCS097	MUTHUSELVAM.M	10	10	10	10	10	40
31	20UCS101	920420UCS101	KARPAGA MOUNIKA.S	10	10	10	10	10	40
32	20UCS104	920420UCS104	YASHWANT RAM.G.A	10	10	10	10	10	40
33	20UCS106	920420UCS106	VINOTH KUMAR.T	5	10	10	10	10	35
34	20UCS109	920420UCS109	SURIYA.V	10	10	10	10	10	40
35	20UCS111	920420UCS111	GAJENDRAN.R	10	10	10	10	10	40


Coordinator

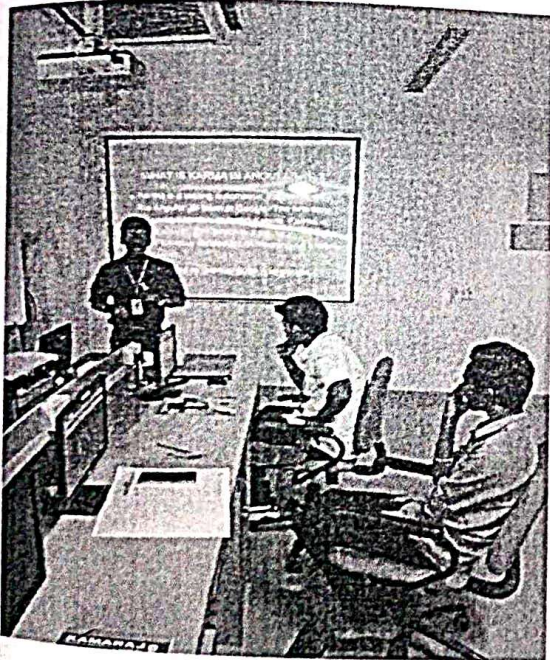
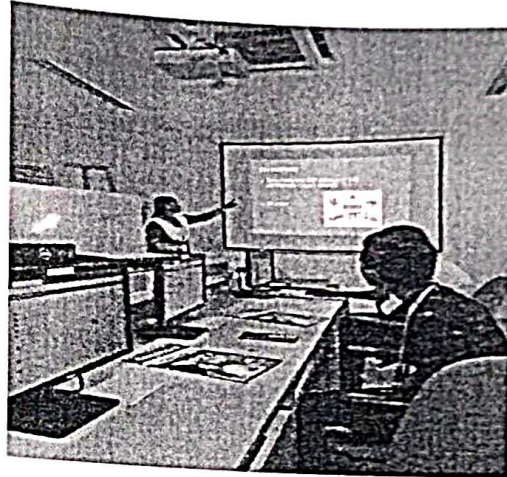
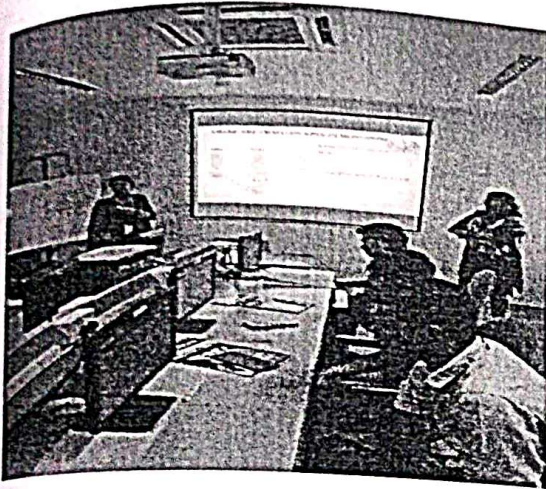


HoD-CSE

Department of Computer Science and Engineering
Value Added course on MEAN Stack

19.9.2022 to 24.9.2022

Internal marks-Presentation



[Signature]
Coordinators

[Signature]

HoD

Department of Computer Science and Engineering

Value Added Course on MEAN Stack


External Marks

Year: III CSE & ADS

Date: 19.9.2022 to 24.9.2022

Sl.No.	Roll No.	Reg. No.	Student Name	External Marks (60)
1	20UAD003	920420UAD003	SHIYAM SUNDAR G.S	47
2	20UAD006	920420UAD006	SHARVESH VISHNU.K	47
3	20UAD007	920420UAD007	MANCY NIRANJANA.A.J	46
4	20UAD018	920420UAD018	VINOTH.G	47
5	20UAD021	920420UAD021	PREMKUMAR.G	47
6	20UAD022	920420UAD022	ZAWAHAR.S	45
7	20UAD032	920420UAD032	DHARSHINI.V	53
8	20UAD036	920420UAD036	SRIKUMBESH.S	47
9	20UAD040	920420UAD040	SURYA.A	19
10	20UAD046	920420UAD046	GEORGE JERIN.T	47
11	20UCS002	920420UCS002	SAJIYA BEGUM.A	51
12	20UCS005	920420UCS005	SUBASHCHANDRAPANDIAN.J	47
13	20UCS006	920420UCS006	RAJA GANESH.S	53
14	20UCS009	920420UCS009	SRIMATHI.S	53
15	20UCS010	920420UCS010	BAVA DHARANI.B	49
16	20UCS013	920420UCS013	UMA DHARSHINI.R.G	45
17	20UCS014	920420UCS014	SRIVIGNOV PANDIAN.P.S	53
18	20UCS015	920420UCS015	SARAVANABALAJI.K	47
19	20UCS017	920420UCS017	VARUN.B	49
20	20UCS021	920420UCS021	SIVARANJANI.P	52
21	20UCS033	920420UCS033	SREENIDHI.R	47
22	20UCS039	920420UCS039	SABARI KANTH.A	47
23	20UCS040	920420UCS040	DHAYALAN.R.J	50
24	20UCS043	920420UCS043	PARISATH.P	49
25	20UCS060	920420UCS060	SAHANARINI.S	54
26	20UCS063	920420UCS063	KAAVIYA.M	53
27	20UCS080	920420UCS080	KAVITHA.G	55
28	20UCS084	920420UCS084	PRATHIKSHA.V	53
29	20UCS091	920420UCS091	AHAMED ADHIL.M	51
30	20UCS097	920420UCS097	MUTHUSELVAM.M	53
31	20UCS101	920420UCS101	KARPAGA MOUNIKA.S	47
32	20UCS104	920420UCS104	YASHWANT RAM.G.A	45
33	20UCS106	920420UCS106	VINOTH KUMAR.T	52
34	20UCS109	920420UCS109	SURIYA.V	48
35	20UCS111	920420UCS111	GAJENDRAN.R	53


Coordinator


HoD-CSE

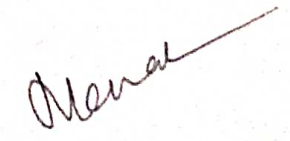
Mark Statement

Department: CSE
 Year: III

Regulation: R2020
 Semester: V

Sl.No.	Roll No.	Reg. No.	Student Name	Internal Marks (40)	External Marks (60)	Total (100)
1	20UAD003	920420UAD003	SHIYAM SUNDAR G.S	40	47	87
2	20UAD006	920420UAD006	SHARVESH VISHNU.K	35	47	82
3	20UAD007	920420UAD007	MANCY NIRANJANA.A.J	35	46	81
4	20UAD018	920420UAD018	VINOTH.G	40	47	87
5	20UAD021	920420UAD021	PREMKUMAR.G	35	47	82
6	20UAD022	920420UAD022	ZAWAHAR.S	35	45	80
7	20UAD032	920420UAD032	DHARSHINI.V	35	53	88
8	20UAD036	920420UAD036	SRIKUMBESH.S	40	47	87
9	20UAD040	920420UAD040	SURYA.A	35	19	54
10	20UAD046	920420UAD046	GEORGE JERIN.T	35	47	82
11	20UCS002	920420UCS002	SAJIYA BEGUM.A	40	51	91
12	20UCS005	920420UCS005	SUBASHCHANDRAPANDIAN.J	40	47	87
13	20UCS006	920420UCS006	RAJA GANESH.S	40	53	93
14	20UCS009	920420UCS009	SRIMATHI.S	40	53	93
15	20UCS010	920420UCS010	BAVA DHARANI.B	40	49	89
16	20UCS013	920420UCS013	UMA DHARSHINI.R.G	40	45	85
17	20UCS014	920420UCS014	SRIVIGNOV PANDIAN.P.S	40	53	93
18	20UCS015	920420UCS015	SARAVANABALAJI.K	40	47	87
19	20UCS017	920420UCS017	VARUN.B	40	49	89
20	20UCS021	920420UCS021	SIVARANJANI.P	40	52	92
21	20UCS033	920420UCS033	SREENIDHI.R	35	47	82
22	20UCS039	920420UCS039	SABARI KANTH.A	40	47	87
23	20UCS040	920420UCS040	DHAYALAN.R.J	40	50	90
24	20UCS043	920420UCS043	PARISATH.P	40	49	89
25	20UCS060	920420UCS060	SAHANARINI.S	40	54	94
26	20UCS063	920420UCS063	KAAVIYA.M	40	53	93
27	20UCS080	920420UCS080	KAVITHA.G	40	55	95
28	20UCS084	920420UCS084	PRATHIKSHA.V	40	53	93
29	20UCS091	920420UCS091	AHAMED ADHIL.M	40	51	91
30	20UCS097	920420UCS097	MUTHUSELVAM.M	40	53	93
31	20UCS101	920420UCS101	KARPAGA MOUNIKA.S	40	47	87
32	20UCS104	920420UCS104	YASHWANT RAM.G.A	40	45	85
33	20UCS106	920420UCS106	VINOTH KUMAR.T	35	52	87
34	20UCS109	920420UCS109	SURIYA.V	40	48	88
35	20UCS111	920420UCS111	GAJENDRAN.R	40	53	93


 VAC Coordinator


 HoD - CSE

View results

Respondent

7

SABARI KANTH.A(CS)

00:34

Time to complete

1. Name of the Participant (Eg:Mr/Ms/) *

A.sabari kanth

2. Designation *

Student

Staff

3. Roll No *

20ucs039

4. Were objectives of the Program met? *

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

5. Was the Program sequence well planned? *

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

6. Were the lectures clear and easy to understand? *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

7. Whether the instructors encouraged the interaction? *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

8. The information delivered at this Program was highly beneficial. *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

9. Organization of the Program was Good *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

10. Comments/Suggestions

good

[Signature]
COORDINATORS

[Signature]
HOD

MEAN Stack - 19.09.2022

32
Responses

01:11
Average time to complete

Active
Status

1. Name of the Participant (Eg:Mr/Ms/)

32
Responses

Latest Responses

"Mancy Niranjana "

"Varun. B"

"Ms.Bava Dharani"

1 respondents (3%) answered **Vinoth kumarT** for this question.

RAJA GANESH S

Saravana Balaji Premkumar G

SHIYAM MsM MAhamed Adhil

RGUma dharshini Su

SKarpaga Mounika

Vinoth kumarT

Asabari ka

Sharvesh vishnu

GEORGE JERINT

Dhayalan J

SUND

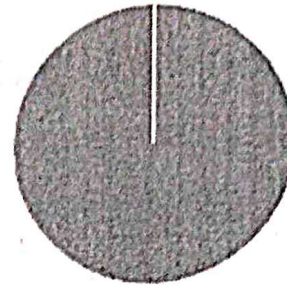
Srimathi S

Yashwant Ram

vignov pandian

2. Designation

- Student 32
- Staff 0



3. Roll No

32
Responses

Latest Responses

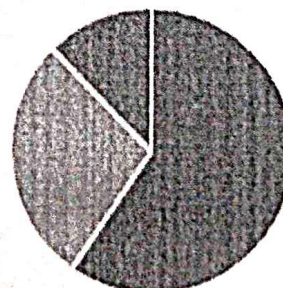
- "20uad007"
- "20ucs017"
- "20ucs010"

1 respondents (3%) answered 20uad021 for this question.

- 20uad003
- 20uad036
- 20uad018
- 20uad032
- 20ucs097
- 20ucs033 2
- 20ucs101
- 20uad046
- 20uad021
- 20ucs104
- 20ucs0
- 20ucs084
- 20ucs043
- 20ucs091
- 20ucs106
- 20ucs0
- 20ucs009
- 20UCS014
- 20ucs02

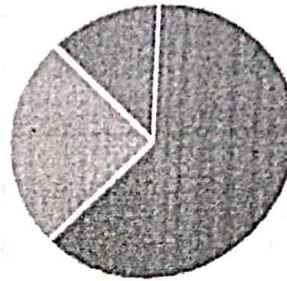
4. Were objectives of the Program met?

- Completely agree 19
- Strongly agree 9
- Agree 4
- Partly Agree 0
- Disagree 0



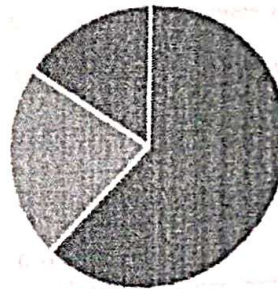
5. Was the Program sequence well planned?

- Completely agree 20
- Strongly agree 8
- Agree 4
- Partly Agree 0
- Disagree 0



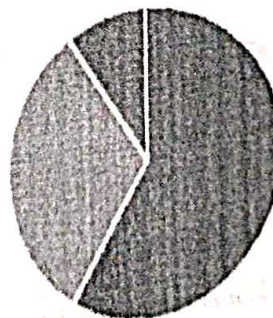
6. Were the lectures clear and easy to understand?

- Completely agree 20
- Strongly agree 7
- Agree 5
- Partly Agree 0
- Disagree 0



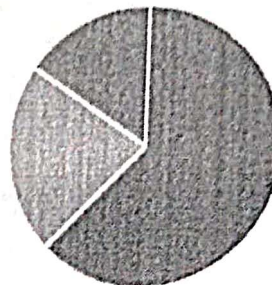
7. Whether the instructors encouraged the interaction?

- Completely agree 19
- Strongly agree 10
- Agree 3
- Partly Agree 0
- Disagree 0



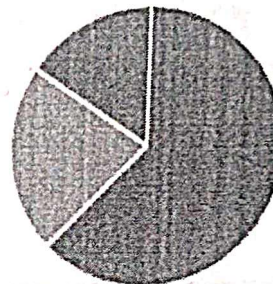
8. The information delivered at this Program was highly beneficial.

- Completely agree 20
- Strongly agree 7
- Agree 5
- Partly Agree 0
- Disagree 0



9. Organization of the Program was Good

- Completely agree 20
- Strongly agree 7
- Agree 5
- Partly Agree 0
- Disagree 0



10. Comments/Suggestions

22 Responses

Latest Responses

"No"

"_"

"Nil"

6 respondents (29%) answered good for this question.

nice ^{NIL} good No Interacti
 enjoyable overall
 session was int

Mural

View results

Respondent

23

UMA DHARSHINI.R.G(CS)

01:25

Time to complete

1. Name of the Participant (Eg:Mr/Ms/) *

RG.Uma dharshini

2. Designation *

Student

Staff

3. Roll No *

20ucs013

4. Were objectives of the Program met? *

Completely agree

Strongly agree

Agree

Partly Agree

5. Was the Program sequence well planned? *

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

6. Were the lectures clear and easy to understand? *

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

7. Whether the instructors encouraged the interaction? *

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

8. The information delivered at this Program was highly beneficial. *

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

9. Organization of the Program was Good *

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

10. Comments/Suggestions

Session was lively and knowledgeable.

Alena
HOD

[Handwritten signature]

MEAN Stack - 20.09.2022

29
Responses

01:11
Average time to complete

Active
Status

1. Name of the Participant (Eg:Mr/Ms/)

29
Responses

Latest Responses

"S.srikumbesh"

"Dhayalan R J"

"sahana rini S"

2 respondents (7%) answered **pandian** for this question.

RGUma dharshini

SKarpaga Mounika

Yashwant Ram George JerinT

SRAJA GANESH

Asabari kanth sf

Subash Saravana Balaji

pandian

Chandra Pandian vi

M Kaaviya ASAJIYA BEGUM

Vinoth KumarT

vignov pandian S

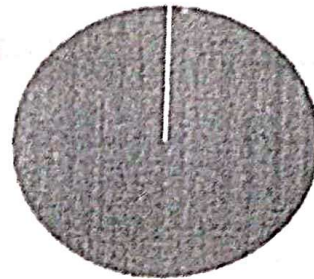
Muthuselvam M

MAhamed Adhil

GSShiyam Sundar

2. Designation

<input checked="" type="radio"/> Student	29
<input type="radio"/> Staff	0



3. Roll No

29
Responses

Latest Responses

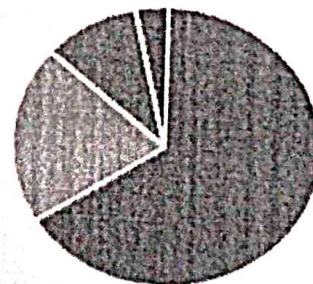
- "20uad036"
- "20UCS040"
- "20UCS060"

1 respondents (4%) answered 20ucs106 for this question.

- 20ucs063
- 20ucs013
- 20ucs084
- 20uad046
- 20ucs104
- 20UCS002
- 20ucs080
- 20ucs015
- 20ucs106
- 20ucs014
- 20ucs0
- 20ucs009
- 20ucs043
- 20UCS006
- 20UCS005
- 20ucs0
- 20uad003
- 20uad018
- 20ucs09

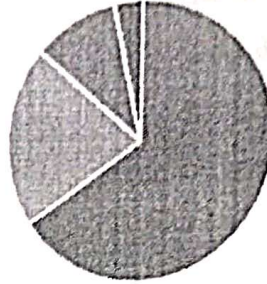
4. Were objectives of the Program met?

<input checked="" type="radio"/> Completely agree	19
<input type="radio"/> Strongly agree	6
<input type="radio"/> Agree	3
<input type="radio"/> Partly Agree	1
<input type="radio"/> Disagree	0



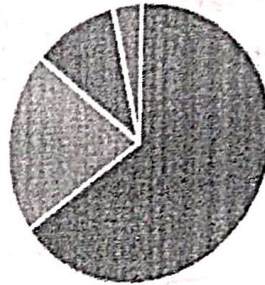
5. Was the Program sequence well planned?

- Completely agree 19
- Strongly agree 6
- Agree 3
- Partly Agree 1
- Disagree 0



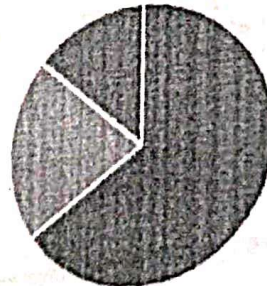
6. Were the lectures clear and easy to understand?

- Completely agree 19
- Strongly agree 6
- Agree 3
- Partly Agree 0
- Disagree 1



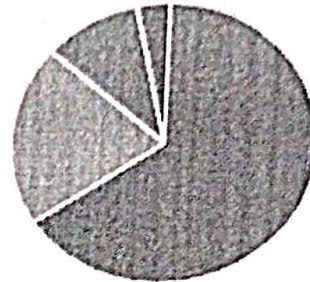
7. Whether the instructors encouraged the interaction?

- Completely agree 19
- Strongly agree 6
- Agree 4
- Partly Agree 0
- Disagree 0



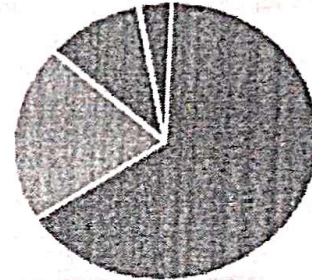
8. The information delivered at this Program was highly beneficial.

- Completely agree 19
- Strongly agree 6
- Agree 3
- Partly Agree 1
- Disagree 0



9. Organization of the Program was Good

- Completely agree 19
- Strongly agree 6
- Agree 3
- Partly Agree 1
- Disagree 0



10. Comments/Suggestions

19 Responses

Latest Responses "NIL"

5 respondents (26%) answered No for this question.

session was wonderfull

knowledgeable

Nice

Session

NIL

No

Good

Session was

[Handwritten signature]
COORDINATORS

[Handwritten signature]
HOD

view results

Respondent

15

KARPAGA MOUNIKA.S(CS)

01:25

Time to complete

1. Name of the Participant (Eg:Mr/Ms/) *

S.Karpaga Mounika

2. Designation *

Student

Staff

3. Roll No *

20ucs101

4. Were objectives of the Program met? *

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

5. Was the Program sequence well planned? *

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

6. Were the lectures clear and easy to understand? *

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

7. Whether the instructors encouraged the interaction? *

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

8. The information delivered at this Program was highly beneficial. *

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

9. Organization of the Program was Good *

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

10. Comments/Suggestions

the session was more interactive and enjoyable

[Signature]
Coordinator

[Signature]
HOD

MEAN Stack VAC Feedback- 21.09.2022(Day3)

31
Responses

01:10
Average time to complete

Active
Status

1. Name of the Participant (Eg:Mr/Ms/)

31
Responses

Latest Responses

"sri vignov pandian"

"George Jerin.T"

"Bava Dharani B "

2 respondents (6%) answered Pandian for this question.

Asabari kanth	SAHANARINI S	Vinoth KumarT
ASAJIYA BEGUM	Suriya V	Srimathi S n
Saravana Balaji	dharshini v	SK
George JerinT	RGUma dharshini M	Kaaviya vignov pandian S
mancy niranjana		GSShiyam Sundar

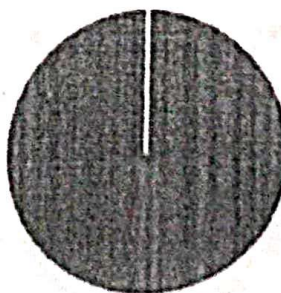
2. Designation

● Student

31

● Staff

0



3. Roll No

31
Responses

Latest Responses

"20ucs014"

"20UAD046"

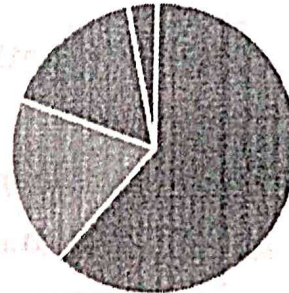
"20ucs010"

1 respondents (3%) answered 20ucs106 for this question.

20ucs021 20ucs101
 20ucs033 20ucs039 20ucs080 20ucs043
 20uad018 20uad036 20ucs106 20uad021 20Uc
 20UCS060 20ucs097 20ucs015 20ucs084 20Uc
 20ucs063 20ucs013 20uad

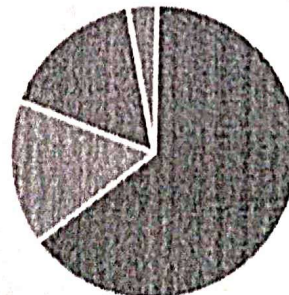
4. Were objectives of the Program met?

- Completely agree 19
- Strongly agree 6
- Agree 5
- Partly Agree 1
- Disagree 0



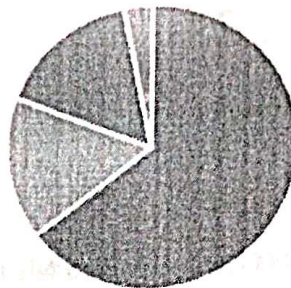
5. Was the Program sequence well planned?

- Completely agree 20
- Strongly agree 5
- Agree 5
- Partly Agree 0
- Disagree 1



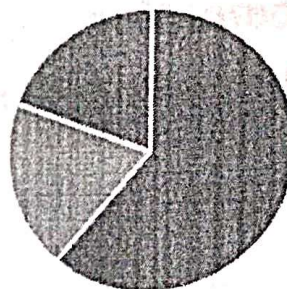
6. Were the lectures clear and easy to understand?

- Completely agree 20
- Strongly agree 5
- Agree 5
- Partly Agree 0
- Disagree 1



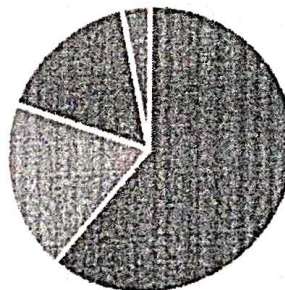
7. Whether the instructors encouraged the interaction?

- Completely agree 19
- Strongly agree 6
- Agree 6
- Partly Agree 0
- Disagree 0



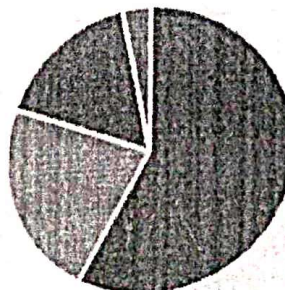
8. The information delivered at this Program was highly beneficial.

- Completely agree 19
- Strongly agree 6
- Agree 5
- Partly Agree 0
- Disagree 1



9. Organization of the Program was Good

- Completely agree 18
- Strongly agree 7
- Agree 5
- Partly Agree 0
- Disagree 1



10. Comments/Suggestions

22

Responses

Latest Responses

"Nil"

4 respondents (18%) answered NIL for this question.

no other suggestions suggest

Gopod

session **NIL** good

informative

session was interactive

session was kn

[Handwritten Signature]
COORDINATORS

[Handwritten Signature]
HOD

View results

Respondent

8 DHARSHINI.V(AD)

00:34

Time to complete

1. Name of the Participant (Eg:Mr/Ms/) *

dhharshini v

2. Designation *

- Student
- Staff

3. Roll No *

20Quad032

4. Were objectives of the Program met? *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

More >

5. Was the Program sequence well planned? *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

Manal
HOD

6. Were the lectures clear and easy to understand? *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

7. Whether the instructors encouraged the interaction? *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

8. The information delivered at this Program was highly beneficial. *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

9. Organization of the Program was Good *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

10. Comments/Suggestions

good

[Handwritten signature]
ORDINATORS

[Handwritten signature]
AOD

MEAN Stack VAC Feedback- 22.09.2022 (Day4)

32
Responses

01:38
Average time to complete

Active
Status

1. Name of the Participant (Eg:Mr/Ms/)

32
Responses

Latest Responses

"sharvesh vishnu k"

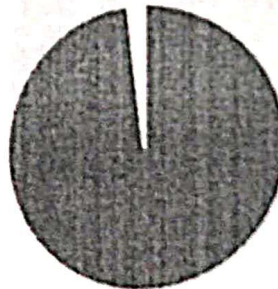
"George Jerin.T"

"Subash Chandra Pandian "

2 respondents (6%) answered **pandian** for this question.

2. Designation

- Student 32
- Staff 0



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Head

3. Roll No

32
Responses

Latest Responses

"20uad006"

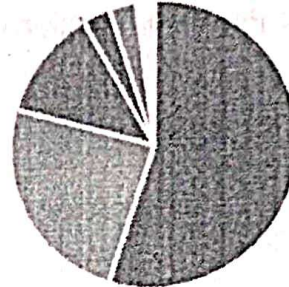
"20uad046"

"20UCS005 "

1 respondents (3%) answered 20ucs104 for this question.

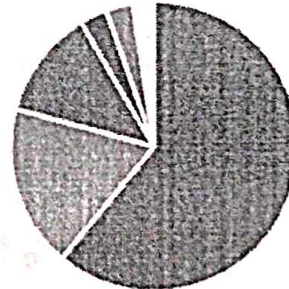
4. Were objectives of the Program met?

- Completely agree 18
- Strongly agree 8
- Agree 4
- Partly Agree 1
- Disagree 1



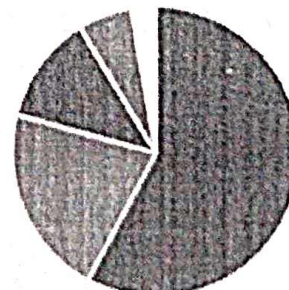
5. Was the Program sequence well planned?

- Completely agree 20
- Strongly agree 6
- Agree 4
- Partly Agree 1
- Disagree 1



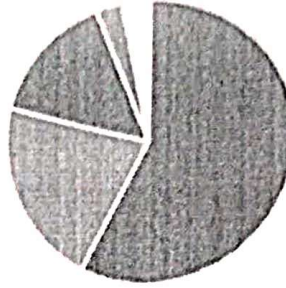
6. Were the lectures clear and easy to understand?

- Completely agree 19
- Strongly agree 7
- Agree 4
- Partly Agree 0
- Disagree 2



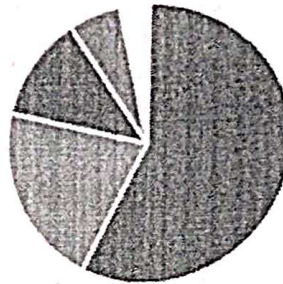
7. Whether the instructors encouraged the interaction?

- Completely agree 19
- Strongly agree 7
- Agree 5
- Partly Agree 0
- Disagree 1



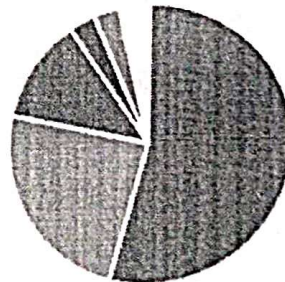
8. The information delivered at this Program was highly beneficial.

- Completely agree 19
- Strongly agree 7
- Agree 4
- Partly Agree 0
- Disagree 2



9. Organization of the Program was Good

- Completely agree 18
- Strongly agree 8
- Agree 4
- Partly Agree 1
- Disagree 1



10. Comments/Suggestions

19 Responses

Latest Responses
"NIL"

7 respondents (37%) answered **good** for this question.

Handwritten initials: P, 118

Handwritten signature: Alwal
Handwritten initials: H20

View results

Respondent

18 SURIYA.V(CS)

02:23

Time to complete

1. Name of the Participant (Eg:Mr/Ms/) *

Suriya V

2. Designation *

Student

Staff

3. Roll No *

20ucs109

4. Were objectives of the Program met? *

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

5. Was the Program sequence well planned? *

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

More >

6. Were the lectures clear and easy to understand? *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

7. Whether the instructors encouraged the interaction? *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

8. The information delivered at this Program was highly beneficial. *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

9. Organization of the Program was Good *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

10. Comments/Suggestions

Good :)

[Handwritten signatures and text]
COORDINATORS

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Mural

MEAN Stack VAC Feedback- 23.09.2022 (Day5)

32
Responses

00:51
Average time to complete

Active
Status

1. Name of the Participant (Eg:Mr/Ms/)

32
Responses

Latest Responses

"G.Vinoth"

"Dhayalan R J"

"Shiyam Sundar G.S."

2 respondents (6%) answered **Pandian** for this question.

- SAHANARINI S
- SKarpaga Mounika
- RGUma dharshini
- SRAJA GANESH
- ASAJIYA BEGUM
- M Kaaviya
- MAhamed Adhil
- sharvesh vishnu
- Prem kumarG
- Saravana Balaji
- Asabar
- Pandian**
- dharshini v
- GEORGE
- Sund:
- Suriya V
- Chandra Pandian
- MANCY NI
- Yashwa

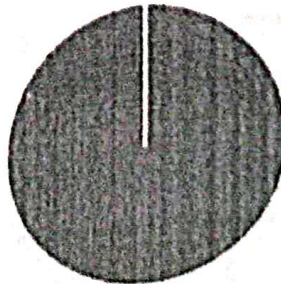
2. Designation

● Student

32

● Staff

0



3. Roll No

32
Responses

Latest Responses

"20uad018"

"20UCS040"

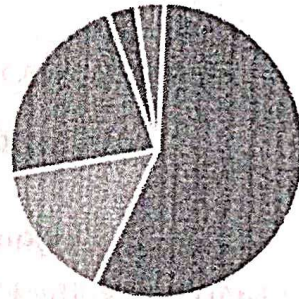
"20uad003"

1 respondents (3%) answered 20uad021 for this question.

20ucs104 20ucs091
 20UCS060 20ucs043 20UCS005 20uad032
 20UAD007 20ucs015 20uad021 20ucs084 20uc
 20ucs013 20ucs080 20ucs101 20ucs097 20uc
 20uad036 20UAD046 20UCS

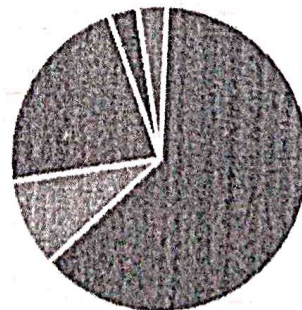
4. Were objectives of the Program met?

- Completely agree 18
- Strongly agree 5
- Agree 7
- Partly Agree 1
- Disagree 1



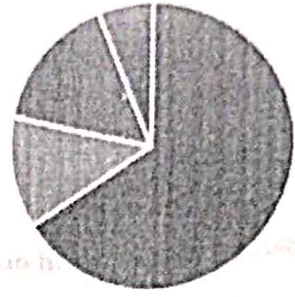
5. Was the Program sequence well planned?

- Completely agree 20
- Strongly agree 3
- Agree 7
- Partly Agree 1
- Disagree 1



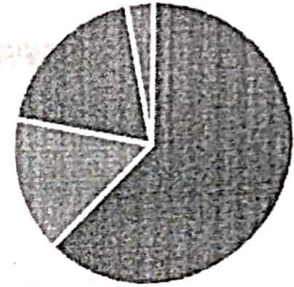
6. Were the lectures clear and easy to understand?

- Completely agree 21
- Strongly agree 4
- Agree 5
- Partly Agree 2
- Disagree 0



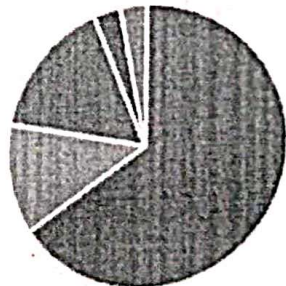
7. Whether the instructors encouraged the interaction?

- Completely agree 20
- Strongly agree 5
- Agree 6
- Partly Agree 0
- Disagree 1



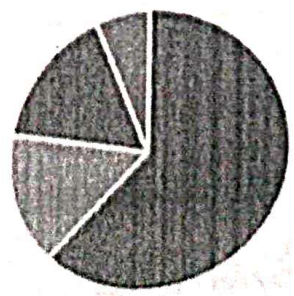
8. The information delivered at this Program was highly beneficial.

- Completely agree 21
- Strongly agree 4
- Agree 5
- Partly Agree 1
- Disagree 1



9. Organization of the Program was Good

- Completely agree 20
- Strongly agree 5
- Agree 5
- Partly Agree 0
- Disagree 2



10. Comments/Suggestions

20

Responses

Latest Responses

"Good"

6 respondents (30%) answered good for this question.

hands on and knowedgable

session is really good

nice

session

no

good

NIL

session was

[Handwritten signature]
CO-ORDINATORS

[Handwritten signature]
HOD

View results

Respondent

19 SHIYAM SUNDAR G.S(AD)

00:44

Time to complete

1. Name of the Participant (Eg:Mr/Ms/) *

SHIYAM SUNDAR G.S

2. Designation *

- Student
- Staff

3. Roll No *

20uad003

4. Were objectives of the Program met? *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

More >

5. Was the Program sequence well planned? *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

6. Were the lectures clear and easy to understand? *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

7. Whether the instructors encouraged the interaction? *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

8. The information delivered at this Program was highly beneficial. *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

9. Organization of the Program was Good *

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

10. Comments/Suggestions

good

[Handwritten signature]
CO-ORDINATORS

[Handwritten signature]
HOD

MEAN Stack VAC Feedback- 24.09.2022 (Day6)

29
Responses

01:41
Average time to complete

Active
Status

1. Name of the Participant (Eg:Mr/Ms/)

29
Responses

Latest Responses

"Dharshini v"

"Dhayalan R J"

"RG.Uma dharshinj"

3 respondents (10%) answered S for this question.

M Muthuselvam M
A ASAJIYA BEGUM
S Saravana Balaji
z zawahar S
S SRAJA GANESH
A Asabari kan
S Srimathi S
D Dharshini v
P Pandian
M MAhame
v vignov pandian
S SKarpaga Mounika
S SAHANARINI S
S Suriya V
S SHIYAM SUNDAR
G George JerinT

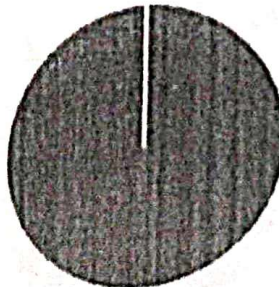
2. Designation

● Student

29

● Staff

0



3. Roll No

29
Responses

Latest Responses

"20uad032"

"20UCS040"

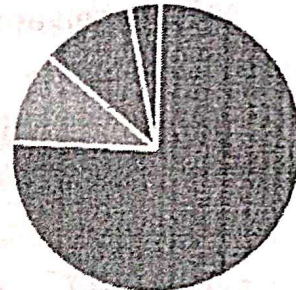
"20ucs013"

1 respondents (3%) answered 20UCS104 for this question.

20uad022 20ucs084
 20ucs014 20UCS060 20uad036 20ucs097
 20ucs039 20ucs015 20UCS104 20ucs010 20uc
 20uad003 20UCS002 20ucs091 20UCS005 20UC
 20ucs063 20uad046 20UCSI

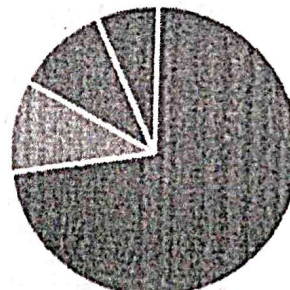
4. Were objectives of the Program met?

- Completely agree 22
- Strongly agree 3
- Agree 3
- Partly Agree 1
- Disagree 0



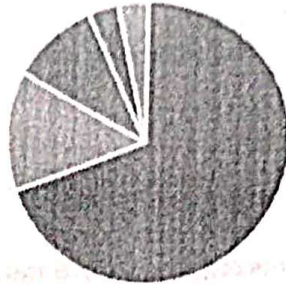
5. Was the Program sequence well planned?

- Completely agree 21
- Strongly agree 3
- Agree 3
- Partly Agree 2
- Disagree 0



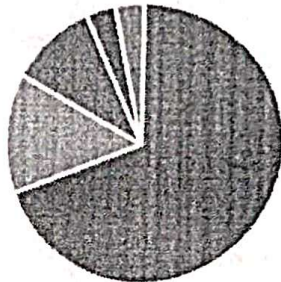
6. Were the lectures clear and easy to understand?

- Completely agree 20
- Strongly agree 4
- Agree 3
- Partly Agree 1
- Disagree 1



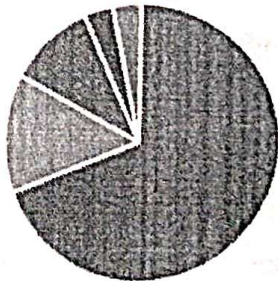
7. Whether the instructors encouraged the interaction?

- Completely agree 20
- Strongly agree 4
- Agree 3
- Partly Agree 1
- Disagree 1



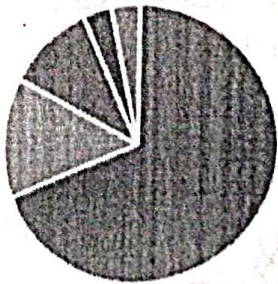
8. The information delivered at this Program was highly beneficial.

- Completely agree 20
- Strongly agree 4
- Agree 3
- Partly Agree 1
- Disagree 1



9. Organization of the Program was Good

- Completely agree 20
- Strongly agree 4
- Agree 3
- Partly Agree 1
- Disagree 1



10. Comments/Suggestions

19

Responses


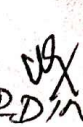
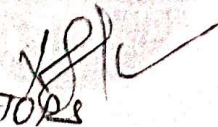
Latest Responses

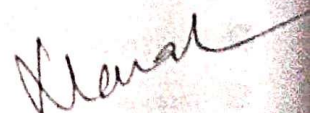
"Good"

"Session was highly interactive."

8 respondents (42%) answered **Good** for this question.

No **Good** Nil int
S

  
ORDINATORS


Hed

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Value Added Course on "MEAN STACK"

19.09.2022 to 24.09.2022

Resource Persons :

Dr.B.Ezhilavan,

Managing Director, VEI Technologies Pvt.Ltd, Chennai.

Ms.Shobana,

Software Developer, VEI Technologies Pvt.Ltd, Chennai

Report

Department of Computer Science and Engineering organized a Value Added Course on "Mean stack" with VEI Technologies Pvt. Ltd, Chennai from 19.09.2022 to 24.09.2022. Totally, 35 students of III CSE & AD took part in this course. Dr.A.Meenakshi, Head of the Department of CSE welcomed the resource persons Dr.B.Ezhilavan and Ms.Shobana VEI Technologies Pvt.Ltd, Chennai and the coordinators introduced the resource persons.

The students learnt the basic theory underlying MEAN stack. They code simple programs using vs code in Ubuntu 20.0. They acquired knowledge on how to build web applications using HTML, CSS ,Boot strap and Java Script.

The students performed schema design in Mongo DB, to route parameter and queries using Express JS , to perform data binding using Angular JS and execute scripts using NODE JS.

The resource persons conducted the course in a very interactive manner. Students had practical sessions along with theory concepts. The six days programme was very useful for their career development. For all the six days, the feedback was collected from the students. The students carried out a presentation in groups. MCQ based assessment and presentation evaluation was done finally.


Course Coordinator(s)


VAC Coordinator


HoD-CSE