



(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
ELECTRONICS AND COMMUNICATION ENGINEERING**

**Value Added Course
on
FULL STACK DEVELOPMENT**

Date: 12.02.2024 to 17.02.2024

Class: II ECE

No. of Participants: 30

Academic Year: 2023-2024

(Even Semester)

1. Academic Year : 2023-2024
2. Regulation : 2021
3. Department Name : Electronics and Communication Engineering
4. Name of the Value Added Course : Full Stack Development
5. No. of Credits : 2
6. Category: Theory/Lab/Hands-on/Skill based etc : Hands-on
7. Name and Details of the Joint-organization (industry/NGO etc) if any : Quantanics Tech Serv Pvt Ltd., Madurai
 1. Mr. Nitheshwaran T
 Full Stack Developer
 Quantanics Tech Serv Pvt Ltd.,
 Madurai
8. Resource person details : 2. Mr. Mathan I
 Full Stack Developer
 Quantanics Tech Serv Pvt Ltd.,
 Madurai
 1. Dr. R. Suresh Babu,
 HoD/ECE
9. Three Member Committee details : 2. Mrs. M. Stella Mercy
 Incharge & Expert
 3. Dr. T. Prathiba,
 Chairperson
10. VAC Coordinator Details : 1. Mr. P. Aravind, AP/ECE
 2. Mrs. M. Stella Mercy, AP/ECE
11. Duration (30 h mandatory) : 45 Hours
12. Period : 12.02.2024 to 17.02.2024
 (6 Days)
13. Venue : Mathematics Lab (ECE Lab II)

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 : 60 x 1 = 60 Marks
Passing Criteria: 30 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

A. 30/4/24
VAC Coordinator
ARAVIND P AP/ECE
STELLA MERCY M AP/ECE

N.S. — Jan
HoD

N.S. — Jan
30/4/24

Dean (Academic Courses)

Encl:

1. Consolidated Mark
2. Project Presentation (Internal) Mark
3. MCQ Test (External) Mark
4. BoS Approval
5. Syllabus Copy
6. Three Member Committee MoM
7. Course Approval Copy
8. VAC Report
9. Geo-Tagged Photos
10. Attendance Sheet
11. MCQ Test - Questionnaire
12. Evaluated Answer script
13. Feedback form
14. Feedback analysis
15. Certificates of all participants
16. Students' oral feedback and Video (recorded video)

Department of Electronics and Communication Engineering

Value Added Course on Full Stack Development

(12.02.2024 to 17.02.2024)

| Sl.No | Roll Number | Register Number | Name of the Student | Internal (40 mark) | External (60 mark) | Total (100 marks) |
|-------|-------------|-----------------|------------------------|--------------------|--------------------|-------------------|
| 1 | 22UEC001 | 920422106023 | IRFAN V | 35 | 38 | 73 |
| 2 | 22UEC002 | 920422106038 | RAJESHWARI C | 29 | 32 | 61 |
| 3 | 22UEC005 | 920422106019 | GOKUL P | 27 | 36 | 63 |
| 4 | 22UEC008 | 920422106029 | MARI MUNEESWAR R | 33 | 31 | 64 |
| 5 | 22UEC009 | 920422106027 | KISHOR KUMAR R | 27 | 36 | 63 |
| 6 | 22UEC010 | 920422106035 | PRITHIVBALAJI M | 26 | 30 | 56 |
| 7 | 22UEC016 | 920422106016 | DINESH KUMAR S K | 33 | 40 | 73 |
| 8 | 22UEC017 | 920422106040 | RAVIVARMA K | 26 | 39 | 65 |
| 9 | 22UEC019 | 920422106008 | BARATHNIVASH S | 29 | 37 | 66 |
| 10 | 22UEC020 | 920422106052 | SWETHA A | 39 | 49 | 88 |
| 11 | 22UEC025 | 920422106048 | SRI DEVI SRI M | 28 | 38 | 66 |
| 12 | 22UEC030 | 920422106033 | PAUL JOUSHVA P | 29 | 40 | 69 |
| 13 | 22UEC032 | 920422106036 | RAGAVAN N | 24 | 35 | 59 |
| 14 | 22UEC033 | 920422106049 | SUGUMAR M | 32 | 44 | 76 |
| 15 | 22UEC036 | 920422106037 | RAJARAJESWARI R | 39 | 39 | 78 |
| 16 | 22UEC037 | 920422106009 | BHARVATHI S | 28 | 36 | 64 |
| 17 | 22UEC038 | 920422106021 | HIMAGOWRI S C | 29 | 41 | 70 |
| 18 | 22UEC042 | 920422106050 | SURESH KUMAR K | 29 | 39 | 68 |
| 19 | 22UEC043 | 920422106007 | BALAJI K | 29 | 39 | 68 |
| 20 | 22UEC044 | 920422106044 | SAKTHI SURYA R | 27 | 43 | 70 |
| 21 | 22UEC046 | 920422106039 | RAMACHANDRA BOOPATHI S | 36 | 46 | 82 |
| 22 | 22UEC048 | 920422106003 | ARISWARAN C | 36 | 44 | 80 |
| 23 | 22UEC050 | 920422106010 | BOSE A | 36 | 44 | 80 |
| 24 | 22UEC056 | 920422106026 | KARTHIGA RANI K | 29 | 40 | 69 |
| 25 | 22UEC058 | 920422106054 | UDHAYA SANKAR S | 27 | 36 | 63 |
| 26 | 22UEC059 | 920422106302 | BALA.R | 29 | 32 | 61 |
| 27 | 22UEC060 | 920422106301 | ASHOKKUMAR.M | 20 | 36 | 56 |
| 28 | 22UEC061 | 920422106306 | VADIVEL.M | 24 | 31 | 55 |
| 29 | 22UEC062 | 920422106305 | PRAVEEN RAJ.R | 29 | 41 | 70 |
| 30 | 22UEC064 | 920422106303 | GOPINATH.P | 29 | 32 | 61 |

VAC Coordinator
ARAVIND P
 AP/ECE
 4/5/24

Company person
STELLA MERCY
 AP/ECE
 4/5/24
 03.05.24

(Signature with Name & Seal)

HoD/ECE
 4/5/24



Department of Electronics and Communication Engineering

**Value Added Course on Full Stack Development
 (12.02.2024 to 17.02.2024)**

Project Mark

| Sl.No | Roll Number | Register Number | Name of the Student | Expert (40) | Chair person (40) | Average (40) |
|-------|-------------|-----------------|------------------------|-------------|-------------------|--------------|
| 1 | 22UEC001 | 920422106023 | IRFAN V | 35 | 35 | 35 |
| 2 | 22UEC002 | 920422106038 | RAJESHWARI C | 29 | 29 | 29 |
| 3 | 22UEC005 | 920422106019 | GOKUL P | 27 | 27 | 27 |
| 4 | 22UEC008 | 920422106029 | MARI MUNESWAR R | 32 | 33 | 33 |
| 5 | 22UEC009 | 920422106027 | KISHOR KUMAR R | 27 | 27 | 27 |
| 6 | 22UEC010 | 920422106035 | PRITHIVBALAJI M | 25 | 26 | 26 |
| 7 | 22UEC016 | 920422106016 | DINESH KUMAR S K | 33 | 33 | 33 |
| 8 | 22UEC017 | 920422106040 | RAVIVARMA K | 25 | 27 | 26 |
| 9 | 22UEC019 | 920422106008 | BARATHNIVASH S | 29 | 29 | 29 |
| 10 | 22UEC020 | 920422106052 | SWETHA A | 39 | 39 | 39 |
| 11 | 22UEC025 | 920422106048 | SRI DEVI SRI M | 28 | 28 | 28 |
| 12 | 22UEC030 | 920422106033 | PAUL JOUSHVA P | 29 | 28 | 29 |
| 13 | 22UEC032 | 920422106036 | RAGAVAN N | 24 | 24 | 24 |
| 14 | 22UEC033 | 920422106049 | SUGUMAR M | 31 | 33 | 32 |
| 15 | 22UEC036 | 920422106037 | RAJARAJESWARI R | 39 | 39 | 39 |
| 16 | 22UEC037 | 920422106009 | BHARVATHI S | 28 | 28 | 28 |
| 17 | 22UEC038 | 920422106021 | HIMAGOWRI S C | 29 | 29 | 29 |
| 18 | 22UEC042 | 920422106050 | SURESH KUMAR K | 29 | 29 | 29 |
| 19 | 22UEC043 | 920422106007 | BALAJI K | 29 | 29 | 29 |
| 20 | 22UEC044 | 920422106044 | SAKTHI SURYA R | 27 | 27 | 27 |
| 21 | 22UEC046 | 920422106039 | RAMACHANDRA BOOPATHI S | 36 | 36 | 36 |
| 22 | 22UEC048 | 920422106003 | ARISWARAN C | 36 | 36 | 36 |
| 23 | 22UEC050 | 920422106010 | BOSE A | 36 | 36 | 36 |
| 24 | 22UEC056 | 920422106026 | KARTHIGA RANI K | 29 | 29 | 29 |
| 25 | 22UEC058 | 920422106054 | UDHAYA SANKAR S | 27 | 27 | 27 |

A. 30/4/24
 VAC COORDINATOR 30/4/24
 ARAVIND P STELLA MERCY M
 AP/ECE AP/ECE

A.S - Su
 30/4/24
 170D

| | | | | | | |
|----|----------|--------------|---------------|----|----|----|
| 26 | 22UEC059 | 920422106302 | BALA.R | 29 | 29 | 29 |
| 27 | 22UEC060 | 920422106301 | ASHOKKUMAR.M | 20 | 20 | 20 |
| 28 | 22UEC061 | 920422106306 | VADIVEL.M | 24 | 24 | 24 |
| 29 | 22UEC062 | 920422106305 | PRAVEEN RAJ.R | 31 | 27 | 29 |
| 30 | 22UEC064 | 920422106303 | GOPINATH.P | 29 | 29 | 29 |

VAC Coordinators

ARAVIND P
AP/ECE

STELLA MERCY M
AP/ECE

N.S - Sm
30/4/24

HoD/ECE

Value Added Course on Full Stack Development (12.02.2024 to 17.02.2024)
 Department of Electronics and Communication Engineering

| Sl.No | Roll Number | Register Number | Name of the Student | Presentation (10mark) | Content (5mark) | Progress of work (5 mark) | Queries (5 mark) | Report (15 marks) | Total (40 marks) |
|-------|-------------|-----------------|---------------------|-----------------------|-----------------|---------------------------|------------------|-------------------|------------------|
| 1 | 22UEC001 | 920422106023 | IRFAN V | 08 | 04 | 5 | 5 | 13 | 37 |
| | 22UEC019 | 920422106008 | BARATHNIVASH S | 06 | 04 | 03 | 03 | 13 | 29 |
| | 22UEC042 | 920422106050 | SURESH KUMAR K | 06 | 04 | 03 | 03 | 13 | 29 |
| 2 | 22UEC002 | 920422106038 | RAJESHWARI C | 06 | 04 | 04 | 03 | 12 | 29 |
| | 22UEC038 | 920422106021 | HIMAGOWRI S C | 06 | 04 | 04 | 03 | 12 | 29 |
| | 22UEC056 | 920422106026 | KARTHIGA RANI K | 06 | 04 | 04 | 03 | 12 | 29 |
| 3 | 22UEC005 | 920422106019 | GOKUL P | 06 | 04 | 04 | 03 | 10 | 27 |
| | 22UEC058 | 920422106054 | UDHAYA SANKAR S | 06 | 04 | 04 | 03 | 10 | 27 |
| | 22UEC062 | 920422106305 | PRAVEEN RAJ.R | 08 | 04 | 04 | 05 | 13 | 31 |
| 4 | 22UEC010 | 920422106035 | PRITHIVBALAJI M | 05 | 04 | 03 | 03 | 10 | 25 |
| | 22UEC017 | 920422106040 | RAVIVARMA K | 05 | 04 | 03 | 03 | 10 | 25 |
| | 22UEC030 | 920422106033 | PAUL JOUSHVA P | 07 | 04 | 03 | 05 | 13 | 29 |
| 5 | 22UEC008 | 920422106029 | MARI MUNESWAR R | 07 | 04 | 04 | 04 | 13 | 32 |
| | 22UEC016 | 920422106016 | DINESH KUMAR S K | 08 | 04 | 04 | 04 | 13 | 33 |
| | 22UEC033 | 920422106049 | SUGUMAR M | 06 | 04 | 04 | 04 | 13 | 31 |

Value Added Course on Full Stack Development (12.02.2024 to 17.02.2024)
 Department of Electronics and Communication Engineering

| SI.No | Roll Number | Register Number | Name of the Student | Presentation (10mark) | Content (5mark) | Progress of work (5 mark) | Queries (5 mark) | Report (15 marks) | Total (40 marks) |
|-------|-------------|-----------------|---------------------|-----------------------|-----------------|---------------------------|------------------|-------------------|------------------|
| 1 | 22UEC001 | 920422106023 | IRFAN V | 08 | 04 | 5 | 5 | | 35 |
| | 22UEC019 | 920422106008 | BARATHNIVASH S | 06 | 04 | 3 | 3 | 13 | 29 |
| | 22UEC042 | 920422106050 | SURESH KUMAR K | 06 | 04 | 3 | 3 | | 29 |
| 2 | 22UEC002 | 920422106038 | RAJESHWARI C | 06 | 04 | 4 | 3 | | 29 |
| | 22UEC038 | 920422106021 | HIMAGOWRI S C | 06 | 04 | 4 | 3 | 12 | 29 |
| | 22UEC056 | 920422106026 | KARTHIGA RANI K | 06 | 04 | 4 | 3 | | 29 |
| 3 | 22UEC005 | 920422106019 | GOKUL P | 06 | 04 | 3 | 04 | | 27 |
| | 22UEC058 | 920422106054 | UDHAYA SANKAR S | 06 | 04 | 3 | 04 | 10 | 27 |
| | 22UEC062 | 920422106305 | PRAVEEN RAJ.R | 06 | 04 | 3 | 04 | | 27 |
| 4 | 22UEC010 | 920422106035 | PRITHIVBALAJI M | 06 | 03 | 3 | 4 | | 26 |
| | 22UEC017 | 920422106040 | RAVIVARMA K | 06 | 04 | 3 | 4 | 10 | 27 |
| | 22UEC030 | 920422106033 | PAUL JOUSHVA P | 07 | 04 | 4 | 4 | | 28 |
| 5 | 22UEC008 | 920422106029 | MARI MUNESWAR R | 08 | 04 | 04 | 4 | | 33 |
| | 22UEC016 | 920422106016 | DINESH KUMAR S K | 08 | 04 | 04 | 4 | 13 | 33 |
| | 22UEC033 | 920422106049 | SUGUMAR M | 08 | 04 | 04 | 4 | | 33 |

| Sl.No | Roll Number | Register Number | Name of the Student | Presentation (10mark) | Content (5mark) | Progress of work (5 mark) | Queries (5 mark) | Report (15 marks) | Total (40 marks) |
|-------|-------------|-----------------|------------------------|-----------------------|-----------------|---------------------------|------------------|-------------------|------------------|
| 6 | 22UEC043 | 920422106007 | BALAJI K | 7 | 3 | 3 | 3 | 13 | 29 |
| | 22UEC059 | 920422106302 | BALA.R | | | | | | |
| | 22UEC064 | 920422106303 | GOPINATH.P | | | | | | |
| 7 | 22UEC046 | 920422106039 | RAMACHANDRA BOOPATHI S | 9 | 5 | 4 | A | 14 | 36 |
| | 22UEC048 | 920422106003 | ARISWARAN C | | | | | | |
| | 22UEC050 | 920422106010 | BOSE A | | | | | | |
| 8 | 22UEC032 | 920422106036 | RAGAVAN N | 5 | 3 | 3 | 3 | 10 | 24 |
| | 22UEC061 | 920422106306 | VADIVEL.M | | | | | | |
| | 22UEC009 | 920422106027 | KISHOR KUMAR R | | | | | | |
| 9 | 22UEC044 | 920422106044 | SAKTHI SURYA R | 7 | 3 | 3 | 3 | 11 | 27 |
| | 22UEC020 | 920422106052 | SWETHA A | | | | | | |
| | 22UEC036 | 920422106037 | RAJARAJESWARI R | | | | | | |
| 10 | 22UEC025 | 920422106048 | SRI DEVI SRI M | 10 | 5 | 5 | 4 | 15 | 39 |
| | 22UEC037 | 920422106009 | BHARVATHI S | | | | | | |
| | 22UEC060 | 920422106301 | ASHOK KUMAR M | | | | | | |
| 11 | | | | 7 | 3 | 3 | 3 | 12 | 28 |

7 3 3 3 4 20

T. Raman

[Dr. T. Prathiba]

30/4/29

R.V. - Sar

30/4/29

Department of Electronics and Communication Engineering
Value Added Course on Full Stack Development
(12.02.2024 to 17.02.2024)

MCQ Test - Mark (External)

| S.No | Roll Number | Register Number | Name of the Student | Out of 60 |
|------|-------------|-----------------|------------------------|-----------|
| 1 | 22UEC001 | 920422106023 | IRFAN V | 38 |
| 2 | 22UEC002 | 920422106038 | RAJESHWARI C | 32 |
| 3 | 22UEC005 | 920422106019 | GOKUL P | 36 |
| 4 | 22UEC008 | 920422106029 | MARI MUNESWAR R | 31 |
| 5 | 22UEC009 | 920422106027 | KISHOR KUMAR R | 36 |
| 6 | 22UEC010 | 920422106035 | PRITHIVBALAJI M | 30 |
| 7 | 22UEC016 | 920422106016 | DINESH KUMAR S K | 40 |
| 8 | 22UEC017 | 920422106040 | RAVIVARMA K | 39 |
| 9 | 22UEC019 | 920422106008 | BARATHNIVASH S | 37 |
| 10 | 22UEC020 | 920422106052 | SWETHA A | 49 |
| 11 | 22UEC025 | 920422106048 | SRI DEVI SRI M | 38 |
| 12 | 22UEC030 | 920422106033 | PAUL JOUSHVA P | 40 |
| 13 | 22UEC032 | 920422106036 | RAGAVAN N | 35 |
| 14 | 22UEC033 | 920422106049 | SUGUMAR M | 44 |
| 15 | 22UEC036 | 920422106037 | RAJARAJESWARI R | 39 |
| 16 | 22UEC037 | 920422106009 | BHARVATHI S | 36 |
| 17 | 22UEC038 | 920422106021 | HIMAGOWRI S C | 41 |
| 18 | 22UEC042 | 920422106050 | SURESH KUMAR K | 39 |
| 19 | 22UEC043 | 920422106007 | BALAJI K | 39 |
| 20 | 22UEC044 | 920422106044 | SAKTHI SURYA R | 43 |
| 21 | 22UEC046 | 920422106039 | RAMACHANDRA BOOPATHI S | 46 |
| 22 | 22UEC048 | 920422106003 | ARISWARAN C | 44 |
| 23 | 22UEC050 | 920422106010 | BOSE A | 44 |
| 24 | 22UEC056 | 920422106026 | KARTHIGA RANI K | 40 |
| 25 | 22UEC058 | 920422106054 | UDHAYA SANKAR S | 36 |
| 26 | 22UEC059 | 920422106302 | BALA.R | 32 |
| 27 | 22UEC060 | 920422106301 | ASHOKKUMAR.M | 36 |
| 28 | 22UEC061 | 920422106306 | VADIVEL.M | 31 |
| 29 | 22UEC062 | 920422106305 | PRAVEEN RAJ.R | 41 |
| 30 | 22UEC064 | 920422106303 | GOPINATH.P | 32 |

VAC Coordinators

A. 30/4/24
P. 30/4/24

D.S. - Bar
HoD/ECE 30/4/24

ARAVIND P STELLA MERCY M
AP/ECE AP/ECE

Department of Electronics and Communication Engineering

Seventh BoS Meeting Minutes

Date : 30.09.2023
Time : 2.00 PM
Venue : VLSI Lab, ECE Department
Link (hybrid mode) : <https://tinyurl.com/mu6nhau>

The following members were present:

| S.No. | Name of the Expert | Designation | Capacity |
|-------|---|---|--|
| 1. | Dr.E.S.Gopi, Ph.D., | Associate Professor/ECE National Institute of Technology, Tiruchirappalli, Tamil Nadu | Anna University Nominee (Online mode) |
| 2. | Dr. M. Sabarimalai Manikandan Ph.D., | Associate Professor, Department of Electrical Engineering, Indian Institute of Technology Palakkad | Academic Council Nominee <i>M. Sabarimalai</i> 30/09/2023 |
| 3. | Dr. A Kannammal, Ph.D., | Associate Professor/ ECE PSG College of Technology, Avinashi Rd, Peelamedu -641004, Coimbatore | Academic Council Nominee (Online mode) |
| 4. | Mr.M.Chinnathambi, M.E., | Technical Lead Viasat India, Global Infocity, Module 1&2, 5th Floor, Block C, No.40, MGR Salai, Perungudi- 600 097, Chennai. | Industrial Expert <i>M. Chinnathambi</i> |
| 5. | Ms.A Anto Amala, M.E., | Associate Staff Engineer, Samsung Semiconductor India Research, Laxmi Sagar Layout, Mahadevapura, Bengaluru, Karnataka 560048 | Alumni <i>A. Anto Amala</i> |

Internal Faculty Members of BoS

| S.No. | Name of the Faculty | Designation | Signature |
|-------|----------------------|---------------------|----------------------------|
| 1. | Dr.R.Suresh Babu | Professor & Head | R.S. - Babu |
| 2. | Dr.T.Pandiselvi | Associate Professor | T.P. Pandiselvi 30/9/23 |
| 3. | Dr.N.M.Mary Sindhuja | Associate Professor | N.M.S. 30/9/2023 |
| 4. | Dr.T.Prathiba | Assistant Professor | T. Prathiba 30/9/23 |
| 5. | Dr.S.Nisha Rani | Assistant Professor | S.N.R. 30/09/2023 |
| 6. | Mrs.C.Nagavani | Assistant Professor | C.N. 30/9/23 |
| 7. | Mr.P.Aravind | Assistant Professor | P.A. |
| 8. | Mr.R.Ashok | Assistant Professor | R.Ashok |
| 9. | Mrs.M.Stella Mercy | Assistant Professor | M.S.M. |
| 10. | Mr.S.Alwyn Rajiv | Assistant Professor | S.A.R. |
| 11. | Mrs.P.Muthumari | Assistant Professor | P.M. |
| 12. | Mrs.P.Ramalakshmi | Assistant Professor | P.R. |
| 13. | Mr.R.Rajprabu | Assistant Professor | R.R. |

007.01.00 : Welcome address by HoD

➤ Dr.R.Suresh Babu, Professor & Head welcomed the BoS members.

007.02.00 : Approval of 6th BoS Meeting Minutes & Action taken

| Item No. | Suggestions of BoS Members in 6 th BoS Meeting | Action Taken |
|----------|---|--|
| 1. | Dr.E.S.Gopi, Ph.D., suggested to include prerequisites for each course in the Professional elective list. | Unit I is framed as basic for all the professional courses |
| 2. | Dr.E.S.Gopi, Ph.D., insisted to have some of the courses as industry based and partially it can be handled by the experts from industry. | Semiconductor Test Engineering Course will be handled by the faculty members trained by Tessolve Semiconductor pvt ltd, Bangalore. Tessolve Semiconductor Industrial persons will also handle some topics. Value added courses are completely handled by the industrial persons. |
| 3. | Dr.E.S.Gopi, Ph.D., also suggested to have Data Analytics as a common course for all the departments. | Data Analytics course is included in Institute level minor courses. |
| 4. | Dr. M. Sabarimalai Manikandan Ph.D., insisted to give Open ended projects across the departments. | Many students are doing projects with other department students |
| 5. | Dr.E.S.Gopi, Ph.D., and Dr. M. Sabarimalai Manikandan Ph.D., suggested to include Microprocessor as 1 unit in Embedded and modify the course name as Microprocessor and Embedded Systems | Included Microprocessor as 1 unit in Embedded and modified the course name as Microprocessor and Embedded Systems |
| 6. | Dr.E.S.Gopi, Ph.D., insisted to combine control systems with Signals and Systems. Include the course Statistical Theory of Communication which may include Detection, Estimation and Information Coding. Dr.T.Prathiba suggested to bring the course Artificial Intelligence and Machine Learning in VI Semester. Move the course Statistical Theory of Communication in VII Semester. | Control system is combined with sensors and is included as Professional Elective. Included the course Statistical Theory of Communication which may include Detection, Estimation and Information Coding. Artificial Intelligence and Machine Learning is brought to VI Semester |
| 7. | Dr.E.S.Gopi, Ph.D., and Dr. M. Sabarimalai Manikandan Ph.D., suggested to include Microprocessor experiments also and modify the course title for Embedded | Microprocessor experiments are included and modified the course title as Microprocessor and Embedded Systems Laboratory |

| | | |
|-----|--|--|
| | Systems laboratory as Microprocessor and Embedded Systems laboratory | |
| 8. | Dr.E.S.Gopi, Ph.D., and Dr. M. Sabarimalai Manikandan Ph.D., suggested to rename the course VLSI Testing and Design for Testability as VLSI Architecture for Signal Processing and Machine Learning | VLSI Testing and Design for Testability course is renamed the course as VLSI Architecture for Signal Processing and Machine Learning |
| 9. | Dr.E.S.Gopi, Ph.D., suggested to include the Acoustics also in Speech Processing course. Hence the course name is changed as Acoustics & Speech Processing | Included Acoustics and the course name is changed as Acoustics & Speech Processing |
| 10. | Dr.E.S.Gopi, Ph.D., insisted to remove DSP Architecture and Programming course. Instead he suggested to include Pattern recognition and Computational Intelligence | Removed DSP Architecture and Programming course and included Pattern recognition and Computational Intelligence |
| 11. | Dr. M. Sabarimalai Manikandan Ph.D., insisted to remove Multimedia Compression Techniques course. Instead he suggested to include Deep Learning | Removed the course Multimedia Compression Techniques. Included Deep Learning course |
| 12. | Dr. M. Sabarimalai Manikandan Ph.D., suggested to include SONAR along with RADAR. So, the course name is changed to RADAR & SONAR Signal Processing | Included SONAR and the course name is changed to RADAR & SONAR Signal Processing |
| 13. | Dr. M. Sabarimalai Manikandan Ph.D., insisted to remove Microprocessor and Microcontroller course. Instead he suggested to include Sensors and Control Systems. | Microprocessors are included in Microprocessor and Embedded Systems course. So, removed the course Microprocessor and Microcontroller. Included Sensors and Control Systems. |
| 14. | Dr.E.S.Gopi, Ph.D., insisted to remove Bio-sensors and Instrumentation course. Instead he suggested to include MEMS & Nanoelectronics | Removed Bio-sensors and Instrumentation course. MEMS & Nanoelectronics course is included. |
| 15. | Dr. M. Sabarimalai Manikandan Ph.D., suggested to remove the course RFID and include the topics of RFID and sensors in Internet of Things Course. Instead, basics of Wireless Technologies course may be included with various wireless technologies used for Sensor Technologies. | The course RFID is removed and included the topics of RFID and sensors in Internet of Things Course. Wireless Technologies Course is included. |

| | | |
|-----|---|--|
| 16. | Dr. M. Sabarimalai Manikandan Ph.D., suggested to rename the course Communication Protocol and Network Security for IoT as Device and Data Security | Renamed the course Communication Protocol and Network Security for IoT as Device and Data Security |
| 17. | Dr. M. Sabarimalai Manikandan Ph.D., suggested to rename the course Basic Electronics and its Applications as Analog Devices and Circuits. | The course Basic Electronics and its Applications is renamed as Analog Devices and Circuits. |
| 18. | Dr.E.S.Gopi, Ph.D., and Dr. M. Sabarimalai Manikandan Ph.D., verified the syllabus of Machine Learning and Embedded Systems and insisted that machine learning and Embedded systems are two different courses and it is a dumped syllabus. Focus only on Machine Learning and the course name may be changed as Introduction to Machine Learning. | Machine Learning and Embedded Systems course is changed as Introduction to Machine Learning |
| 19. | Dr. M. Sabarimalai Manikandan Ph.D., suggested to rename the course Electronic Product Design using PCB as Electronic System Design | The course Electronic Product Design using PCB is renamed as Electronic System Design |
| 20. | <p>Dr.E.S.Gopi, Ph.D., insisted the following regarding NPTEL</p> <ul style="list-style-type: none"> • In R2020, Online course is a core course. If NPTEL is the online course, then in the transcript it may be printed as NPTEL course or the NPTEL course name (Which is chosen by the student). • If a student fails in NPTEL, it should not be considered as arrear if he compensates with subjects handled by the department. • Mentor role is very important in NPTEL course. | <p>Dr.E.S.Gopi, Ph.D., was discussed in Academic Council meeting.</p> <p>It is decided that the NPTEL course name will be printed on the manuscript.</p> <p>If a student could not pass until the seventh semester, he has to write the theory course in VIII semester. The name of the theory course will be mentioned in the transcript.</p> |

BoS members approved the action taken in 6th BoS Meeting Minutes

007.03.00 : Discussion and approval of

007.03.01 : Proposed Curriculum and Syllabi for VII and VIII Semester

VII Semester

| Name of the Course | Suggestions from BoS members |
|-------------------------------------|----------------------------------|
| Universal Human Values and Ethics | Approved the course and syllabus |
| Statistical Theory of Communication | Approved the course and syllabus |

VIII Semester

| Name of the Course | Suggestions from BoS members |
|--------------------|------------------------------|
| Project Work | Approved the course |

007.03.02 : List of Open Elective 1,2,3 & 4 courses offered

| Name of the Course | Offered to | Suggestions from BoS members |
|---|---|--|
| Fundamentals of Electronic Devices and Circuits | CSE, IT, ADS, EEE, Mechanical, Civil, Mechatronics and Bio-Technology | 1. Dr.M.Sabarimalai Manikandan Ph.D., suggested that instead of wave shaping circuits, include linear Integrated circuits using op-amp with the topics of Integrator, Differentiator, differential amplifier and Instrumentation amplifier. 2. Also he insisted to frame the new course as combine as follows. Unit I with Unit III contains special diodes. Add Basics of Digital Electronics as Unit V can be included with the topics of combinational and sequential circuits. For the digital electronics unit the text book "Digital Fundamentals" authored by, Thomas L. Floyd may be included |
| Telecommunication Network Management | CSE, IT, ADS, EEE, Mechanical, Civil, Mechatronics and Bio-Technology | 1. Dr.M.Sabarimalai Manikandan Ph.D., suggested that Telecommunication Network Management course may be replaced with "Sensors and Wireless Technologies" course because Telecommunication Network Management course is the outdated one. 2. They also insisted to frame the new course as. Unit I & Unit II can be framed with Sensors topics, Unit III - Basic Modulation scheme, Unit IV- Wireless Radios and standards including the topics of Wifi, Bluetooth, Zigbee, LoRa. RFID, LTE, Wimax,5G and Unit V with Wireless Network Topologies - Ring, Star, Mesh, Bus and ISO model. |

| | | |
|---------------------------------|---|---|
| VLSI Design | CSE, IT, ADS, EEE, Mechanical, Civil, Mechatronics and Bio-Technology | <p>1. Dr.M.Sabarimalai Manikandan Ph.D., and Dr.E.S.Gopi, Ph.D., suggested that VLSI Design course is tough for other department students. So, they insisted to change the course as MEMS & VLSI.</p> <p>2. They also insisted to frame the new course as follows. Digital Logic as Unit I covered with topics of Basic logic families. CMOS VLSI as Unit II, Unit III and Unit IV may be covered with MEMS concepts. Verilog programming as Unit V with programming of Analog & Digital Design. More weightage may be given for programming.</p> |
| Industrial IoT and Industry 4.0 | CSE, IT, ADS, EEE, Mechanical, Civil, Mechatronics and Bio-Technology | Dr.M.Sabarimalai Manikandan Ph.D., suggested to change the Industrial IoT and Industry 4.0 course title into Industry 4.0. Unit I title is changed as Introduction to Industry 4.0. Unit II may be based on IoT Components. Unit III Security Systems is about autonomous vehicles. Unit IV may be Data Analytics and Imaging Systems. |
| Medical Electronics | CSE, IT, ADS, EEE, Mechanical, Civil, Mechatronics and Bio-Technology | Dr.M.Sabarimalai Manikandan Ph.D., insisted to combine Unit I and Unit II. He also insisted that in Unit II, include topics under Medical Imaging Modalities such as X-ray, CT Scan, PET, Magnetic Resonance Imaging Systems, Ultrasonic Imaging Systems. Rangaraj M Rangayyan, 'Biomedical Signal Analysis-a case-study approach' may be included as one of the reference books |

- Dr. E. S. Gopi, Ph.D., insisted that for all the open elective courses must be self-explanatory.
- Dr. E. S. Gopi, Ph.D., and Dr. M. Sabarimalai Manikandan Ph.D., insisted to add Introduction to Signal Processing as one of the open elective courses.

007.03.03 : List of courses for PhD candidates

| Name of the Course | Suggestions from BoS members |
|--------------------------------|----------------------------------|
| Advanced Design of Experiments | Approved the course and syllabus |
| Big Data | Approved the course and syllabus |
| Deep Learning | Approved the course and syllabus |
| Machine Learning | Approved the course and syllabus |
| Internet of Things | Approved the course and syllabus |

- Dr. E. S. Gopi, Ph.D., and Dr. M. Sakrimalai Manikandan Ph.D., suggested to include Linear Algebra, Probability and Statistics, Numerical Methods and Computing and more courses for PhD course works

007.03.04 : Human Values and Ethics Courses

| Name of the Course | Suggestions from BoS members |
|-----------------------------------|----------------------------------|
| Universal Human Values and Ethics | Approved the course and syllabus |

007.04.00 : ITEMS FOR RATIFICATION

007.04.01 : Changes or Corrections in the existing Curriculum of R2020 and R2021

| Existing | Corrections required and specify the reasons |
|--|---|
| Mini Project, R2021 | To move from VII semester to VI semester because it will be helpful for students placement in VII semester. |
| Statistical Theory of Communication, R2021 | To move from VII semester to VI semester |
| EC2352 Microprocessor and Embedded Systems, R2021 | To move from VI semester to VII semester |
| EC2353 Microprocessor and Embedded Systems laboratory, R2021 | To move from VI semester to VII semester |

007.04.02 : NPTEL Examination results (students performance) and action taken for the students who did not receive the certificates

- Students have to complete two 3 credits NPTEL courses mandatorily for R2020 curriculum.
- In IV ECE (2021-2024 Batch) under R2020, total number of students in the class is 61. In that, 3 students have cleared 3 courses, 48 students have completed 2 courses, 6 students have completed 1 course and 4 students didn't complete any of the NPTEL courses.

NPTEL Online Exam (January to April 2022)

| Sl.No | Course Id | Course Title | Offered Institute | No. of Students Registered | No. of Students attended | No. of Students passed | No. of Students failed | Pass % |
|-------|------------|-----------------------|-------------------|----------------------------|--------------------------|------------------------|------------------------|--------|
| 1 | noc22-ee45 | Digital System Design | IIT Ropar | 61 | 61 | 24 | 37 | 39.34 |

NPTEL Online Exam (July to October 2022)

| Sl.No | Course Id | Course Title | Offered Institute | No. of Students Registered | No. of Students attended | No. of Students passed | No. of Students failed | Pass % |
|-------|------------|------------------------------------|-------------------|----------------------------|--------------------------|------------------------|------------------------|--------|
| 1 | noc22-hs76 | Soft Skills | IIT, Roorkee | 58 | 58 | 48 | 10 | 82.75 |
| 2 | noc22-cs96 | Introduction to Internet of Things | IIT, Kharagpur | 10 | 10 | 10 | -- | 100 |

NPTEL Online Exam (January to April 2023)

| Sl.No | Course Id | Course Title | Offered Institute | No. of Students Registered | No. of Students attended | No. of Students passed | No. of Students failed | Pass % |
|-------|------------|------------------------------------|-------------------|----------------------------|--------------------------|------------------------|------------------------|--------|
| 1 | noc23-mg33 | Principles of Management | IIT, Roorkee | 23 | 23 | 9 | 14 | 39.1 |
| 2 | noc22-cs96 | Introduction to Internet of Things | IIT, Kharagpur | 25 | 25 | 20 | 5 | 80 |

Action Plan

- 6 students (1 course completed) + 4 (No Courses Completed) who failed in the registered subjects have to compensate with the subjects Softskills / IoT for this semester in NPTEL.
- Mentors are asked to monitor the assignment submissions of students.

007.04.03 : Curriculum feedback and action taken if any

- Collected the curriculum feedback from the students and action plan is being carried out.
- Dr. E. S. Gopi, Ph.D., insisted not to collect curriculum feedback from students, instead other stake holders feedback must be collected.

007.04.04 : Value Added Courses offered – ratification

The following are the value added courses conducted for the III year students in the academic year 2023-2024.

| S. No. | Course Name | Resource Person | Participants | Date |
|--------|--|---|--------------------------|---|
| 1. | Value Added Course on Deep Learning | Mr.R.Ramachandran, Pantech eLearning Pvt Ltd., | III ECE – 20 students | 31 st July 2023 to 05 th August 2023 |
| 2. | Value Added Course on IoT Application Design using Raspberry Pi and Python | Mr.R.Jegadeswaran, Enthu Technology Solutions India Pvt Ltd. | III ECE – 20 students | 31 st July 2023 to 05 th August 2023 |
| 3. | Value Added Course on The Internet of Things using LoRaWAN Technology | Dr. Subramaniam Enthu Technology Solutions India Pvt Ltd. | III ECE – 20 students | 31 st July 2023 to 05 th August 2023 |

BoS members approved the Value added courses conducted.

007.05.00: Information about the (Points Discussed in the following)

| Item No. | Description | Suggestions / Comments from the BoS Members |
|-----------|---|--|
| 007.05.01 | Number of students doing Honours/ Honours with Specialization Minors and its respective courses | The HOD Presented the number of students doing Honours Honours with specialization Minors and its respective courses 1. Honors with Specialization degree- Semiconductor Chip Design and Testing-10 2. Honors with Specialization degree- Sensor Technologies and IoT-2 3. Honors degree – 9 4. Minor degree- Computing Technology-13 |
| 007.05.02 | Student Internship Completion details | The HOD shared the statistical data of the student internship Inplant training details for R2020 & R2021 - All the 61 students of IV FCF (R2020) have completed. - All the 60 Students of III FCF (R2021) have completed. |
| 007.05.03 | Pass Percentage of students | The HOD Presented the Pass percentage yearwise and course wise for the academic year 2022-2023 (Even) II Year- Pass percentage - 76.67% III Year- Pass percentage - 88.53% IV Year- Pass percentage - 100% |

| | | |
|-----------|---|--|
| 007.05.04 | Value Added Courses offered/Planned for the academic year : 2023 - 2024 | The HOD Presented the Value added course planned for II year students for the academic year 2023-2024 1. Integrated Full stack web development with IoT Networks 2. IoT Applications using Node MCU and Raspberry Pi 3. Machine Learning using Python |
| 007.05.05 | NBA eSAR / status /compliance preparation and its information | The HOD happily shared the NBA eSAR / Status On 09.04.2023 - NBA Compliance audit was held. Received NBA reaccreditation extended for three years (July 2023- July 2026) |
| 007.05.06 | Department achievements between 6 th and 7 th BoS | HOD happily shared the department, student and faculty achievements with the BoS members. |

007.06.00 : Any other Item

- Next BoS Meeting is tentatively scheduled on March 2024.

007.07.00 : Vote of Thanks

- The meeting ended with the Vote of Thanks by Dr.S.Nisha Rani, Assistant Professor, Department of Electronics and Communication Engineering, Kamaraj College of Engineering and Technology, Virudhunagar.

Sune
6/10/2023
BoS Coordinator

Dr.S.Nisha Rani, AP/ECE

R.S. - Babu
6/10/2023

BoS Chairman

Dr.R.Suresh Babu

HOD / ECE

Department of Electronics and Communication Engineering

Value Added Course on "Full Stack Development"

(12.02.2024 – 17.02.2024)

Trainer's Name: Nitheshwaran T, Full Stack Developer, Quantanics Tech Serv Pvt Ltd., Madurai
 Mathan I, Full Stack Developer, Quantanics Tech Serv Pvt Ltd., Madurai

Course Objectives:

- To learn the concepts of web development
- To learn the basic of HTML & CSS
- To Develop simple app using react.js
- To handle route using express.js

| S.NO | Date/Day | COURSE CONTENT | |
|------|-------------------------|--|--|
| | | FN (9.10AM to 12.50 PM) | AN (1.30 PM to 4.00 PM) |
| 1 | 12.02.2024 Monday | Introduction to web development- Introduction to HTML | Introduction to CSS- Responsive Web Design, Responsive design basics: Introduction to media queries |
| 2 | 13.02.2024 Tuesday | Basics of JavaScript: Variables, data types, and operators - DOM manipulation: Accessing and modifying HTML elements | Hands-on exercises: Creating interactive elements with JavaScript |
| 3 | 14.02.2024 Wednesday | Overview of React.js and its ecosystem - Setting up a React.js project with Create React App | Understanding components and props in React.js |
| 4 | 15.02.2024 Thursday | Overview of web development with Node.js and Express.js- Setting up a basic Express.js server | Handling routes and requests in Express.js |
| 5 | 16.02.2024 Friday | Introduction to RESTful APIs- Creating API endpoints with Express.js | Handling HTTP methods (GET, POST, PUT, DELETE) |
| 6 | 17.02.2024 Saturday | Overview of relational databases - Installing MySQL and setting up a database | Basic SQL commands: CRUD operations (Create, Read, Update, Delete) |

Course Outcome:

- Develop web page using HTML, CSS & java
- Build simple app using react.js
- Build website using node.js and express.js

A. 30/4/24
Stella Mercy M
VAC COORDINATOR
ARAVIND P **STELLA MERCY M**
AP/ECE **AP/ECE**

N. J - 3m
30/4/24
ITOD

05/02/2024

Department of Electronics and Communication Engineering

Value Added Course on 'Full Stack Development'

Minutes of 3 Member Committee Meeting

Member 1 - Head of the Department - Dr. R. Suresh Babu

Member 2 - Course Incharge & Expert Member - Mrs. M. Stella Mercy

Member 3 - Chairperson - Dr. T. Prathiba

The following points were discussed in the 3 Member Committee meeting held on 05th February 2024.

1. Discussed about the Syllabus given by Quantanics Tech Serv Pvt Ltd., Madurai on 2nd February 2024.
2. Decided to collect the list of students whom opt with Full Stack Development on 7th February 2024.
3. The dates of the course were decided in the meeting as 12/02/2024 & 17/02/2024 (6 days).
4. Discussed to conduct review of project presentation after the completion of the course.
5. Discussed about the venue of value added program.

Dr. 30/4/24
Course In-charges
ARAVIND P
AP/ECE

30/4/24
STELLAMERCY
AP/ECE

T. Prathiba
30/4/24
Class Chairperson
Dr. PRATIBA T
AP/ECE

30/4/24
HOD/ECE

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.

ECE

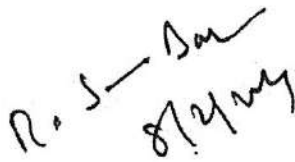
Date 8/2/2024

SL. No. 40

Approval may please be granted for conducting value added course for III - ECE students for the strength of 30 in "value added course on Full Stack Developer" by Quaptanics Techserv Pvt Ltd, Madurai. The date of value added courses from 12/2/2024 to 17/2/2024. kindly request you to provide hospitality for the resource person during the program. Total amount of the program (including GST 18%) } = Rs 59,826/-

Enclosed: Quotation & Syllabus copy.


Signature of Faculty


HOD


PRINCIPAL 9/2/24

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

OFFICE USE

Value added Course Expenses

OM

Treasurer

Secretary



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
B.P.O. Chidambaram Nadar - G. Magammat Campus
B.P.O.C. Nagar, K. Vellakulam - 625 701 (Near VIRUDHUNAGAR)

Department of Electronics and Communication Engineering

Value Added Course on "Full Stack Development"

(12.02.2024 – 17.02.2024)

REPORT

The Department of Electronics and Communication Engineering recently organized a value-added course focused on "**Full Stack Development**", in collaboration with Quantanics Tech Serv Pvt Ltd, Madurai, Tamil Nadu. The course was led by Mr. Nitheshwaran, Full Stack Developer a seasoned programming expert and technical support provided by Mr. Mr.Mathan , Full Stack Developer.

The program spanned **six days** and catered to **30 students** from the second year of Electronics and Communication Engineering. A total of 45 hours were dedicated to the course, encompassing both theoretical and practical sessions, as well as assessments and hands-on training. Feedback was also collected to ensure the effectiveness of the training.

This course aimed to delve deep into the intricacies of Full Stack Development, equipping participants with advanced skills and knowledge to excel in the dynamic field of software development. The program, conducted over six days, covered a range of advanced topics in Frontend and backend. On Day 1, participants delved into the overview of web development. Day 2 focused on basics of Java script, while Day 3 explored React.js and its ecosystem. Day 4 Node.js & Express.js and Day 5 covered API endpoints. The program concluded on Day 6 with discussions on the overview of the relational database.

This course delves into the key highlights of the course, including the structured curriculum, hands-on projects, expert lectures, assessment criteria, participant feedback, and the future prospects it opens up for aspiring programmers.

Overall, the course aimed to enhance the participants' proficiency in Full Stack Development, equipping them with valuable skills and knowledge in the field.

Value Added Course Name : Full Stack Development
Date : 12-02-2024 to 17-02-2024
Total Number of Students : 30 (ECE)

Trainer Name : Mr. T. Nitheshwaran, Full Stack Developer
Mr. L.Mathan , Full Stack Developer
Quantanics Tech Serv Pvt Ltd, Madurai, Tamilnadu.



A. 30/4/24
VAC Coordinators
ARAVIND P AP/ECE
STELLA MERCY AP/ECE

A.S - Bar 30/4/24
HoD/ECE

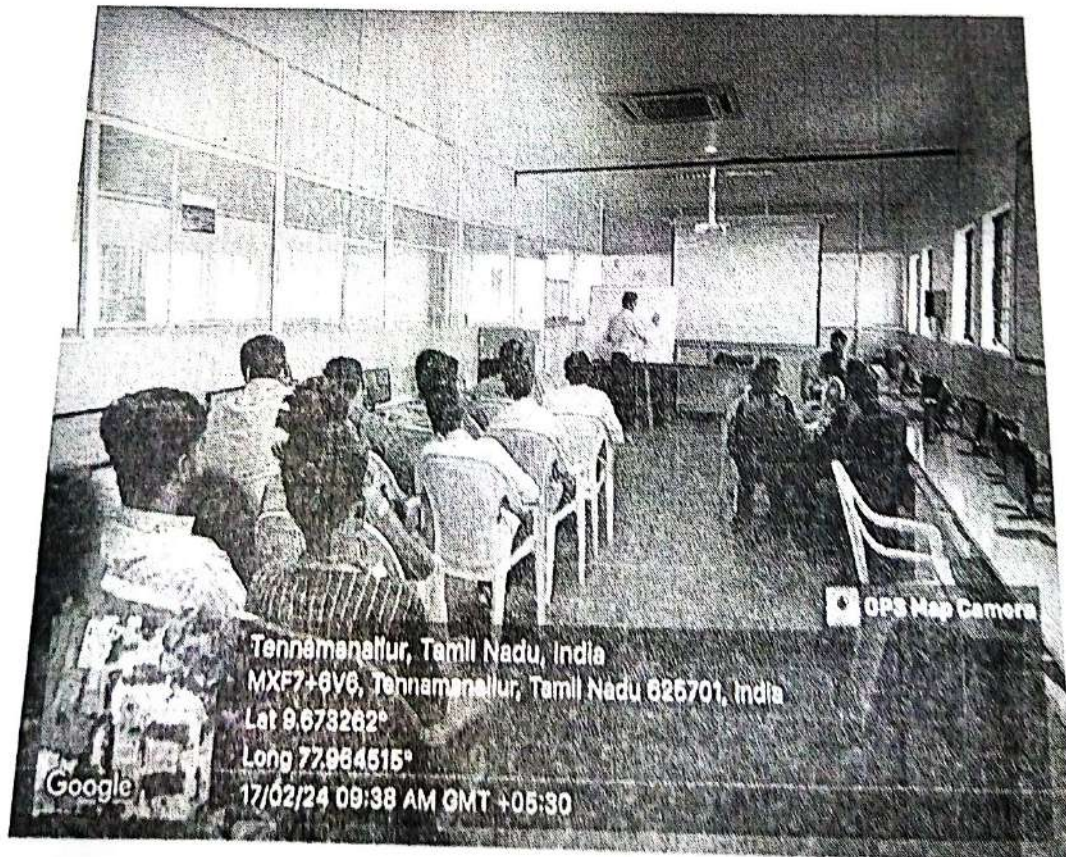
Department of Electronics and Communication Engineering

Value Added Course on
"Full Stack Development"
(12.02.2024 - 17.02.2024)

Geo-Tag Photos



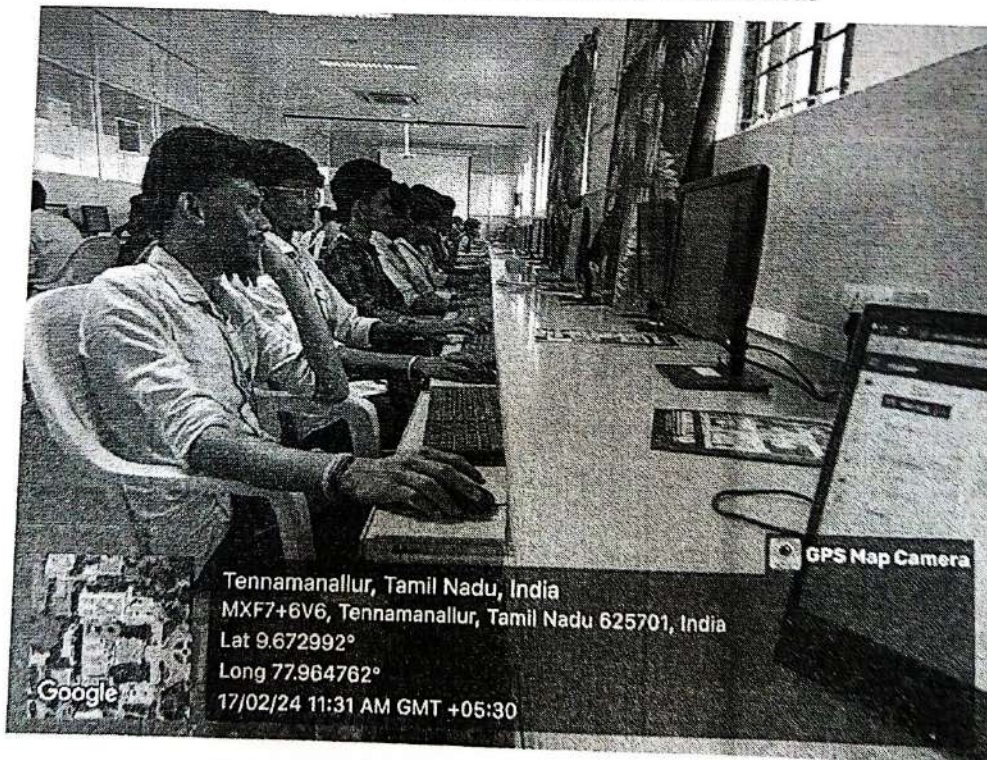
Inauguration held on 12th February 2024, 9.30AM



Introduction for node.js was given by Mr. Nitheshwaran T



The hands-on session was conducted on afternoons



Students took MCQ Test on 17th February 2024

A. 30/4/24
 VAC Coordinators
ARAVIND P **STELLA MERCY M**
 AP/ECE AP/ECE

NS - Ban
30/4/24

HoD/ECE

| S. No | Roll No | REGISTER NO | STUDENT NAME | 12.02.2024 | | 13.02.2024 | | 14.02.2024 | | 15.02.2024 | | 16.02.2024 | | 17.02.2024 | |
|-------|----------|--------------|------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | | | | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN |
| 16 | 22UEC037 | 920422106009 | BHARVATHI S | S. Bharvathi S | S. Bharvathi S | S. Bharvathi S | S. Bharvathi S | S. Bharvathi S | S. Bharvathi S | S. Bharvathi S | S. Bharvathi S | S. Bharvathi S | S. Bharvathi S | S. Bharvathi S | S. Bharvathi S |
| 17 | 22UEC038 | 920422106021 | HIMAGOWRI S C | S. Himagowri S C | S. Himagowri S C | S. Himagowri S C | S. Himagowri S C | S. Himagowri S C | S. Himagowri S C | S. Himagowri S C | S. Himagowri S C | S. Himagowri S C | S. Himagowri S C | S. Himagowri S C | S. Himagowri S C |
| 18 | 22UEC042 | 920422106050 | SURESH KUMAR K | S. Suresh Kumar K | S. Suresh Kumar K | S. Suresh Kumar K | S. Suresh Kumar K | S. Suresh Kumar K | S. Suresh Kumar K | S. Suresh Kumar K | S. Suresh Kumar K | S. Suresh Kumar K | S. Suresh Kumar K | S. Suresh Kumar K | S. Suresh Kumar K |
| 19 | 22UEC043 | 920422106007 | BALAJI K | K. Balaji K | K. Balaji K | K. Balaji K | K. Balaji K | K. Balaji K | K. Balaji K | K. Balaji K | K. Balaji K | K. Balaji K | K. Balaji K | K. Balaji K | K. Balaji K |
| 20 | 22UEC044 | 920422106044 | SAKTHI SURYA R | S. Sakthi Surya R | S. Sakthi Surya R | S. Sakthi Surya R | S. Sakthi Surya R | S. Sakthi Surya R | S. Sakthi Surya R | S. Sakthi Surya R | S. Sakthi Surya R | S. Sakthi Surya R | S. Sakthi Surya R | S. Sakthi Surya R | S. Sakthi Surya R |
| 21 | 22UEC046 | 920422106039 | RAMACHANDRA BOOPATHI S | S. Ramachandra Boopathi S | S. Ramachandra Boopathi S | S. Ramachandra Boopathi S | S. Ramachandra Boopathi S | S. Ramachandra Boopathi S | S. Ramachandra Boopathi S | S. Ramachandra Boopathi S | S. Ramachandra Boopathi S | S. Ramachandra Boopathi S | S. Ramachandra Boopathi S | S. Ramachandra Boopathi S | S. Ramachandra Boopathi S |
| 22 | 22UEC048 | 920422106003 | ARISWARAN C | C. Ariswaran C | C. Ariswaran C | C. Ariswaran C | C. Ariswaran C | C. Ariswaran C | C. Ariswaran C | C. Ariswaran C | C. Ariswaran C | C. Ariswaran C | C. Ariswaran C | C. Ariswaran C | C. Ariswaran C |
| 23 | 22UEC050 | 920422106010 | BOSE A | A. Bose A | A. Bose A | A. Bose A | A. Bose A | A. Bose A | A. Bose A | A. Bose A | A. Bose A | A. Bose A | A. Bose A | A. Bose A | A. Bose A |
| 24 | 22UEC056 | 920422106026 | KARTHIGA RANI K | K. Karthiga Rani K | K. Karthiga Rani K | K. Karthiga Rani K | K. Karthiga Rani K | K. Karthiga Rani K | K. Karthiga Rani K | K. Karthiga Rani K | K. Karthiga Rani K | K. Karthiga Rani K | K. Karthiga Rani K | K. Karthiga Rani K | K. Karthiga Rani K |
| 25 | 22UEC053 | 920422106054 | UDHAYA SANKAR S | S. Udhaya Sankar S | S. Udhaya Sankar S | S. Udhaya Sankar S | S. Udhaya Sankar S | S. Udhaya Sankar S | S. Udhaya Sankar S | S. Udhaya Sankar S | S. Udhaya Sankar S | S. Udhaya Sankar S | S. Udhaya Sankar S | S. Udhaya Sankar S | S. Udhaya Sankar S |
| 26 | 22UEC059 | 920422106302 | BALA.R | R. Bala R | R. Bala R | R. Bala R | R. Bala R | R. Bala R | R. Bala R | R. Bala R | R. Bala R | R. Bala R | R. Bala R | R. Bala R | R. Bala R |
| 27 | 22UEC060 | 920422106301 | ASHOKKUMAR.M | M. Ashokkumar M | M. Ashokkumar M | M. Ashokkumar M | M. Ashokkumar M | M. Ashokkumar M | M. Ashokkumar M | M. Ashokkumar M | M. Ashokkumar M | M. Ashokkumar M | M. Ashokkumar M | M. Ashokkumar M | M. Ashokkumar M |
| 28 | 22UEC061 | 920422106306 | VADIVEL.M | M. Vadivel M | M. Vadivel M | M. Vadivel M | M. Vadivel M | M. Vadivel M | M. Vadivel M | M. Vadivel M | M. Vadivel M | M. Vadivel M | M. Vadivel M | M. Vadivel M | M. Vadivel M |
| 29 | 22UEC062 | 920422106305 | PRAVEEN RAJ.R | R. Praveen Raj R | R. Praveen Raj R | R. Praveen Raj R | R. Praveen Raj R | R. Praveen Raj R | R. Praveen Raj R | R. Praveen Raj R | R. Praveen Raj R | R. Praveen Raj R | R. Praveen Raj R | R. Praveen Raj R | R. Praveen Raj R |
| 30 | 22UEC064 | 920422106303 | GOPINATH.P | P. Gopinath P | P. Gopinath P | P. Gopinath P | P. Gopinath P | P. Gopinath P | P. Gopinath P | P. Gopinath P | P. Gopinath P | P. Gopinath P | P. Gopinath P | P. Gopinath P | P. Gopinath P |

Dr. P. Gopinath 20/2/24
 20/2/24
 VAC coordinators
 ARAVIND P STELLA MERCY M
 AP/ECE AP/ECE

N.S - 20/2/24

Head of the Department

Department of Electronics and Communication Engineering

Value Added Course on "Full Stack Development"

(12.02.2024 – 17.02.2024)

MCQ Test - Questionnaire

HTML

1. What does HTML stand for?
 - a) Hyper Text Markup Language
 - b) High Tech Markup Language
 - c) Hyperlink and Text Markup Language
 - d) Home Tool Markup Language
2. What is the purpose of the <!DOCTYPE> declaration in HTML?
 - a) It specifies the character encoding for the document.
 - b) It declares the HTML version being used.
 - c) It defines the structure and content of the document.
 - d) It links an external stylesheet to the document.
3. How do you create a hyperlink in HTML?
 - a) Link
 - b) <link href="">
 - c) <hyperlink>Link</hyperlink>
 - d) <href>Link</href>
4. What is the difference between <div> and in HTML?
 - a) <div> is inline and is block-level.
 - b) <div> is used for grouping block-level elements, while is used for grouping inline elements.
 - c) <div> is a semantic element and is not.
 - d) There is no difference between them.
5. Explain the difference between , , and <dl> tags.
 - a) is for ordered lists, is for unordered lists, and <dl> is for definition lists.
 - b) is for unordered lists, is for ordered lists, and <dl> is for description lists.
 - c) is for definition lists, is for unordered lists, and <dl> is for ordered lists.
 - d) is for ordered lists, is for definition lists, and <dl> is for unordered lists.
6. How do you add an image to a webpage in HTML?
 - a)
 - b) <image src="image.jpg">
 - c)
 - d) <image href="image.jpg">

7. What is the purpose of the <meta> tag in HTML?

- a) It defines a hyperlink.
- b) It specifies metadata about the document.
- c) It creates a list item.
- d) It defines a section in a document.

8. How do you create a form in HTML?

- a) <form></form>
- b) <input></input>
- c) <form>...</form>
- d) <form />

9. What is the difference between GET and POST methods in form submissions?

- a) GET appends form data to the URL, while POST does not.
- b) POST appends form data to the URL, while GET does not.
- c) There is no difference between them.
- d) GET is used for submitting sensitive data, while POST is not.

10. What are semantic HTML elements and why are they important?

- a) Semantic elements describe their meaning to both the browser and the developer, improving accessibility and SEO.
- b) Semantic elements are used for styling purposes only.
- c) Semantic elements have no special meaning in HTML.
- d) Semantic elements are used for scripting purposes only.

11. What is the purpose of the <iframe> tag in HTML?

- a) It defines an inline frame.
- b) It defines a section in a document.
- c) It creates a hyperlink.
- d) It defines a form.

12. How do you create a table in HTML?

- a) <table>...</table>
- b) <table></table>
- c) <table> ... </table>
- d) <table />

13. Explain the difference between the <head> and <body> tags.

- a) <head> contains metadata about the document, while <body> contains the content of the document.
- b) <head> contains the main content of the document, while <body> contains metadata.
- c) <head> is used for styling, while <body> is used for scripting.
- d) There is no difference between them.

14. What is the purpose of the alt attribute in an tag?

- a) It defines the URL of the image.
- b) It specifies an alternative text for an image, which is displayed if the image cannot be loaded.
- c) It specifies the alignment of the image.
- d) It specifies the height and width of the image.

15. How do you comment in HTML?

- a) <!--This is a comment-->
- b) // This is a comment //
- c) /* This is a comment */
- d) // This is a comment

CSS:

1. What does CSS stand for?

- a) Cascading Style Sheets
- b) Creative Style Syntax
- c) Centralized Styling System
- d) Coding Style Sheets

2. What is the difference between padding and margin in CSS?

- a) Padding adds space outside the border, while margin adds space inside the border.
- b) Padding adds space inside the element, while margin adds space outside the element.
- c) Padding and margin are the same.
- d) Padding and margin both add space outside the element.

3. How do you center an element horizontally and vertically in CSS?

- a) text-align: center; and vertical-align: middle;
- b) margin: auto; and align-items: center;
- c) position: absolute; and top: 50%; left: 50%;
- d) display: flex; and justify-content: center; align-items: center;

4. What is the difference between display: block, display: inline, and display: inline-block?

- a) They are all the same.
- b) display: block makes an element a block-level element, display: inline makes an element an inline-level element, and display: inline-block makes an element an inline-level block container.
- c) display: block makes an element an inline-level element, display: inline makes an element a block-level element, and display: inline-block makes an element an inline-level block container.
- d) display: block makes an element a block-level element, display: inline makes an element an inline-level block container, and display: inline-block makes an element an inline-level element.

5. Explain the difference between position: relative, position: absolute, and position: fixed.

- a) position: relative positions an element relative to its normal position, position: absolute positions an element relative to its first positioned ancestor, and position: fixed positions an element relative to the viewport.
- b) position: relative positions an element relative to its first positioned ancestor, position: absolute positions an element relative to its normal position, and position: fixed positions an element relative to the viewport.
- c) They are all the same.
- d) position: relative positions an element relative to its normal position, position: absolute positions an element relative to its parent element, and position: fixed positions an element relative to the viewport.

6. How do you apply styles to every second row of a table in CSS?

- a) `tr:nth-child(odd) { /* styles */ }`
- b) `tr:nth-child(even) { /* styles */ }`
- c) `tr:nth-child(2n) { /* styles */ }`
- d) `tr:nth-child(2) { /* styles */ }`

7. What is the purpose of the z-index property in CSS?

- a) It specifies the horizontal position of an element.
- b) It specifies the vertical position of an element.
- c) It specifies the stacking order of elements.
- d) It specifies the transparency of an element.

8. What is the difference between `margin: auto` and `text-align: center` for centering elements?

- a) There is no difference.
- b) `margin: auto` only centers block-level elements, while `text-align: center` only centers inline-level elements.
- c) `margin: auto` centers an element horizontally and vertically, while `text-align: center` centers an element horizontally.
- d) `margin: auto` centers an element horizontally, while `text-align: center` centers an element horizontally and vertically.

9. How do you create a CSS class?

- a) `.class { /* styles */ }`
- b) `#class { /* styles */ }`
- c) `class { /* styles */ }`
- d) `.class: { /* styles */ }`

10. What is the box model in CSS?

- a) It defines the layout of a webpage.
- b) It describes how elements are displayed visually.
- c) It represents the content area, padding, border, and margin of an element.
- d) It specifies the order of elements on a page.

11. How do you select an element with a specific class in CSS?

- a) `.classname { /* styles */ }`
- b) `#classname { /* styles */ }`
- c) `classname { /* styles */ }`
- d) `element.classname { /* styles */ }`

12. What is the purpose of the float property in CSS?

- a) It specifies the alignment of an element.
- b) It specifies the position of an element.
- c) It specifies how an element should float.
- d) It specifies the width of an element.

13. Explain the difference between CSS Grid and Flexbox.

- a) CSS Grid is one-dimensional, while Flexbox is two-dimensional.
- b) CSS Grid is two-dimensional, while Flexbox is one-dimensional.
- c) They are the same.

- d) CSS Grid is for aligning items along a single axis, while Flexbox is for aligning items along two axes.

14. What is the difference between width: auto and width: 100% in CSS?

- a) There is no difference.
- b) width: auto sets the width of an element to the maximum content width, while width: 100% sets the width of an element to 100% of its containing block.
- c) width: auto sets the width of an element to 100% of its containing block, while width: 100% sets the width of an element to the maximum content width.
- d) width: auto sets the width of an element to the maximum content width, while width: 100% sets the width of an element to 100% of the viewport width.

15. How do you create a CSS animation?

- a) @keyframes { /* animation */ }
- b) animation: { /* animation */ }
- c) transition: { /* animation */ }
- d) transform: { /* animation */ }

JavaScript :

1. What is JavaScript and what is it used for?

- a) JavaScript is a markup language used for structuring content on the web.
- b) JavaScript is a programming language used for adding interactivity to web pages.
- c) JavaScript is a styling language used for designing web pages.
- d) JavaScript is a server-side language used for handling database operations.

2. How do you declare a variable in JavaScript?

- a) var myVariable = 10;
- b) let myVariable = 10;
- c) const myVariable = 10;
- d) All of the above.

3. Explain the difference between == and === in JavaScript.

- a) == compares values and types, === compares only values.
- b) == compares only values, === compares values and types.
- c) == and === are the same.
- d) == and === are used for assignment.

4. What is an array in JavaScript?

- a) A data structure used for storing only numbers.
- b) A data structure used for storing key-value pairs.
- c) A collection of elements, each identified by an index.
- d) A data structure used for storing strings only.

5. How do you add an element to the end of an array in JavaScript?

- a) arr.add(element);
- b) arr.push(element);
- c) arr.insert(element);
- d) arr.concat(element);

6. What is the difference between null and undefined in JavaScript?

- a) Null means a variable has been declared but not assigned a value, while undefined means a variable has been assigned a value.
- b) Null means a variable has been assigned a value, while undefined means a variable has not been declared.
- c) Null represents absence of a value, while undefined represents an uninitialized value.
- d) Null and undefined are the same.

7. How do you loop through elements in an array in JavaScript?

- a) for (let i = 0; i < arr.length; i++)
- b) for (let element in arr)
- c) for (let element of arr)
- d) All of the above.

8. What is a function in JavaScript?

- a) A function is a method used for defining objects.
- b) A function is a block of code that can be called to perform a task.
- c) A function is a data type used for storing values.
- d) A function is a conditional statement used for control flow.

9. What is the purpose of the return statement in a function?

- a) It terminates the function execution and returns a value.
- b) It defines the parameters of the function.
- c) It declares a variable inside the function.
- d) It is used for looping through elements.

10. How do you create an object in JavaScript?

- a) let obj = {};
- b) let obj = ();
- c) let obj = [];
- d) let obj = "";

11. What is the difference between let, const, and var in JavaScript?

- a) let and const are block-scoped, var is function-scoped.
- b) const cannot be reassigned, let and var can be.
- c) var is hoisted to the top of its scope, let and const are not.
- d) All of the above.

12. How do you handle errors in JavaScript?

- a) try...catch
- b) if...else
- c) switch...case
- d) for...in

13. What is the purpose of the this keyword in JavaScript?

- a) It refers to the current object.
- b) It refers to the previous object.
- c) It refers to a global object.
- d) It refers to the parent object.

14. Explain the concept of hoisting in JavaScript.

- a) Hoisting is a feature that allows you to access variables before they are declared.
- b) Hoisting is a feature that moves function declarations to the top of their scope.
- c) Hoisting is a feature that moves variable declarations to the top of their scope.
- d) Hoisting is a feature that allows you to access functions before they are declared.

15. How do you check the type of a variable in JavaScript?

- a) typeof variable
- b) variable.type
- c) variable.checkType()
- d) type(variable)

React:

1. What is React and what problem does it solve?

- a) React is a back-end framework for building server-side applications.
- b) React is a database management system for handling data.
- c) React is a JavaScript library for building user interfaces.
- d) React is a styling framework for designing web pages.

2. What is JSX in React?

- a) JSX is a templating engine used for server-side rendering.
- b) JSX is a programming language used for writing React components.
- c) JSX is a syntax extension for JavaScript that allows you to write HTML-like code in React.
- d) JSX is a state management library for React applications.

3. How do you define a component in React?

- a) By using the class keyword.
- b) By using the function keyword.
- c) Both a and b.
- d) By using the component keyword.

4. What is state in React?

- a) State represents the structure of a React component.
- b) State is used for defining the layout of a React component.
- c) State is an object that stores data relevant to a component.
- d) State is a method for handling events in React.

5. What is props in React?

- a) Props is a method for defining global variables in React components.
- b) Props is a way to add styles to React components.
- c) Props is short for properties and is used to pass data from parent to child components in React.
- d) Props is a method for defining event handlers in React.

Express.js:

1. What is Express.js?
 - a) Express.js is a front-end JavaScript framework.
 - b) Express.js is a database management system.
 - c) Express.js is a back-end web application framework for Node.js.
 - d) Express.js is a templating engine.
2. What is the purpose of Express.js?
 - a) To handle client-side routing.
 - b) To manage databases.
 - c) To simplify the process of building web applications and APIs in Node.js.
 - d) To handle styling of web pages.
3. How do you install Express.js in a Node.js project?
 - a) `npm install express -S`
 - b) `npm install -g express`
 - c) `npm install express`
 - d) `npm init express`
4. What is a middleware in Express.js?
 - a) Middleware is a database schema in Express.js.
 - b) Middleware is a front-end library in Express.js.
 - c) Middleware is a function that has access to the request and response objects and can modify them.
 - d) Middleware is a templating engine.
5. How do you define a route handler in Express.js?
 - a) `app.route('/path', handlerFunction)`
 - b) `app.handler('/path', handlerFunction)`
 - c) `app.get('/path', handlerFunction)`
 - d) `app.post('/path', handlerFunction)`

PostgreSQL:

1. What is PostgreSQL?
 - a) A NoSQL database management system
 - b) A relational database management system
 - c) A front-end web framework
 - d) A cloud computing platform
2. What are the key features of PostgreSQL?
 - a) No support for transactions
 - b) Limited scalability options
 - c) Extensive data type support
 - d) Limited concurrency control

3. How do you install PostgreSQL?
- a) Using npm install postgres
 - b) By downloading and installing from the official website
 - c) Using pip install postgresql
 - d) By cloning the PostgreSQL GitHub repository
4. What is a database schema in PostgreSQL?
- a) A collection of tables
 - b) A graphical representation of data
 - c) A logical grouping of objects such as tables, views, and indexes
 - d) A type of SQL query
5. What are the different data types supported by PostgreSQL?
- a) Only string and integer
 - b) Only float and boolean
 - c) String, integer, float, boolean, and more
 - d) String, integer, and float only

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Department of Electronics and Communication Engineering

Value Added Course on "Full Stack Development"

(12.02.2024 – 17.02.2024)

MCQ Test – Answer Key

1. What does HTML stand for?
- Correct Answer: a) Hyper Text Markup Language
2. What is the purpose of the <!DOCTYPE> declaration in HTML?
- Correct Answer: b) It declares the HTML version being used.
3. How do you create a hyperlink in HTML?
- Correct Answer: a) Link
4. What is the difference between <div> and in HTML?
- Correct Answer: b) <div> is used for grouping block-level elements, while is used for grouping inline elements.
5. Explain the difference between , , and <dl> tags.
- Correct Answer: a) is for ordered lists, is for unordered lists, and <dl> is for definition lists.
6. How do you add an image to a webpage in HTML?
- Correct Answer: a)
7. What is the purpose of the <meta> tag in HTML?
- Correct Answer: b) It specifies metadata about the document.
8. How do you create a form in HTML?
- Correct Answer: c) <form>...</form>
9. What is the difference between GET and POST methods in form submissions?
- Correct Answer: a) GET appends form data to the URL, while POST does not.
10. What are semantic HTML elements and why are they important?
- Correct Answer: a) Semantic elements describe their meaning to both the browser and the developer, improving accessibility and SEO.
11. What is the purpose of the <iframe> tag in HTML?
- Correct Answer: a) It defines an inline frame.
12. How do you create a table in HTML?
- Correct Answer: b) <table></table>

13. Explain the difference between the <head> and <body> tags.
- Correct Answer: a) <head> contains metadata about the document, while <body> contains the content of the document.

14. What is the purpose of the alt attribute in an tag?
- Correct Answer: b) It specifies an alternative text for an image, which is displayed if the image cannot be loaded.

15. How do you comment in HTML?
- Correct Answer: a) <!--This is a comment-->

Answers for the CSS questions:

1. What does CSS stand for?
- Correct Answer: a) Cascading Style Sheets

2. What is the difference between padding and margin in CSS?
- Correct Answer: b) Padding adds space inside the element, while margin adds space outside the element.

3. How do you center an element horizontally and vertically in CSS?
- Correct Answer: d) display: flex; and justify-content: center; align-items: center;

4. What is the difference between display: block, display: inline, and display: inline-block?
- Correct Answer: b) display: block makes an element a block-level element, display: inline makes an element an inline-level element, and display: inline-block makes an element an inline-level block container.

5. Explain the difference between position: relative, position: absolute, and position: fixed.
- Correct Answer: a) position: relative positions an element relative to its normal position, position: absolute positions an element relative to its first positioned ancestor, and position: fixed positions an element relative to the viewport.

6. How do you apply styles to every second row of a table in CSS?
- Correct Answer: b) tr:nth-child(even) { /* styles */ }

7. What is the purpose of the z-index property in CSS?
- Correct Answer: c) It specifies the stacking order of elements.

8. What is the difference between margin: auto and text-align: center for centering elements?
- Correct Answer: d) margin: auto centers an element horizontally, while text-align: center centers an element horizontally and vertically.

9. How do you create a CSS class?
- Correct Answer: a) .class { /* styles */ }

10. What is the box model in CSS?
- Correct Answer: c) It represents the content area, padding, border, and margin of an element.

11. How do you select an element with a specific class in CSS?
- Correct Answer: a) `.classname { /* styles */ }`
12. What is the purpose of the float property in CSS?
- Correct Answer: c) It specifies how an element should float.
13. Explain the difference between CSS Grid and Flexbox.
- Correct Answer: b) CSS Grid is two-dimensional, while Flexbox is one-dimensional.
14. What is the difference between `width: auto` and `width: 100%` in CSS?
- Correct Answer: b) `width: auto` sets the width of an element to the maximum content width, while `width: 100%` sets the width of an element to 100% of its containing block.
15. How do you create a CSS animation?
- Correct Answer: a) `@keyframes { /* animation */ }`

Answers for the JavaScript questions:

1. What is JavaScript and what is it used for?
- Correct Answer: b) JavaScript is a programming language used for adding interactivity to web pages.
2. How do you declare a variable in JavaScript?
- Correct Answer: d) All of the above.
3. Explain the difference between `==` and `===` in JavaScript.
- Correct Answer: b) `==` compares only values, `===` compares values and types.
4. What is an array in JavaScript?
- Correct Answer: c) A collection of elements, each identified by an index.
5. How do you add an element to the end of an array in JavaScript?
- Correct Answer: b) `arr.push(element);`
6. What is the difference between `null` and `undefined` in JavaScript?
- Correct Answer: c) `Null` represents absence of a value, while `undefined` represents an uninitialized value.
7. How do you loop through elements in an array in JavaScript?
- Correct Answer: a) `for (let i = 0; i < arr.length; i++)`
8. What is a function in JavaScript?
- Correct Answer: b) A function is a block of code that can be called to perform a task.
9. What is the purpose of the `return` statement in a function?
- Correct Answer: a) It terminates the function execution and returns a value.

10. How do you create an object in JavaScript?

- Correct Answer: a) let obj = {};

11. What is the difference between let, const, and var in JavaScript?

- Correct Answer: d) All of the above.

12. How do you handle errors in JavaScript?

- Correct Answer: a) try...catch

13. What is the purpose of the this keyword in JavaScript?

- Correct Answer: a) It refers to the current object.

14. Explain the concept of hoisting in JavaScript.

- Correct Answer: b) Hoisting is a feature that moves function declarations to the top of their scope.

15. How do you check the type of a variable in JavaScript?

- Correct Answer: a) typeof variable

Answers for the React questions:

1. What is React and what problem does it solve?

- Correct Answer: c) React is a JavaScript library for building user interfaces.

2. What is JSX in React?

- Correct Answer: c) JSX is a syntax extension for JavaScript that allows you to write HTML-like code in React.

3. How do you define a component in React?

- Correct Answer: c) Both a and b.

4. What is state in React?

- Correct Answer: c) State is an object that stores data relevant to a component.

5. What is props in React?

- Correct Answer: c) Props is short for properties and is used to pass data from parent to child components in React.

Answers for the Express.js questions:

1. What is Express.js?

- Correct Answer: c) Express.js is a back-end web application framework for Node.js.

2. What is the purpose of Express.js?

- Correct Answer: c) To simplify the process of building web applications and APIs in Node.js.

3. How do you install Express.js in a Node.js project?

- Correct Answer: c) npm install express

4. What is a middleware in Express.js?

- Correct Answer: c) Middleware is a function that has access to the request and response objects and can modify them.

5. How do you define a route handler in Express.js?

- Correct Answer: c) app.get('/path', handlerFunction)

Answers for the PostgreSQL questions:

1. What is PostgreSQL?

- Correct Answer: b) A relational database management system

2. What are the key features of PostgreSQL?

- Correct Answer: c) Extensive data type support

3. How do you install PostgreSQL?

- Correct Answer: b) By downloading and installing from the official website

4. What is a database schema in PostgreSQL?

- Correct Answer: c) A logical grouping of objects such as tables, views, and indexes

5. What are the different data types supported by PostgreSQL?

- Correct Answer: c) String, integer, float, boolean, and more

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Review: MCQ Test - "Value Added Course on Fullstack Development"

Respondent

2 SWETHA.A

63:29

Time to complete

49/60

Points

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

1. What does HTML stand for? *

- Hyper Text Markup Language ✓
- High Tech Markup Language
- Hyperlink and Text Markup Language
- Home Tool Markup Language

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

2. What is the purpose of the <!DOCTYPE> declaration in HTML? *

- It specifies the character encoding for the document.
- It declares the HTML version being used. ✓
- It defines the structure and content of the document.
- It links an external stylesheet to the document.

✗ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

3. How do you create a hyperlink in HTML? *

- Link ✓
- <link href="">
- <hyperlink>Link</hyperlink>
- <href>Link</href>

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

4. What is the difference between `<div>` and `` in HTML? *

- `<div>` is inline and `` is block-level.
- `<div>` is used for grouping block-level elements, while `` is used for grouping inline elements. ✓
- `<div>` is a semantic element and `` is not.
- There is no difference between them.

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

5. Explain the difference between ``, ``, and `<dl>` tags. *

- `` is for ordered lists, `` is for unordered lists, and `<dl>` is for definition lists. ✓
- `` is for unordered lists, `` is for ordered lists, and `<dl>` is for description lists.
- `` is for definition lists, `` is for unordered lists, and `<dl>` is for ordered lists.
- `` is for ordered lists, `` is for definition lists, and `<dl>` is for unordered lists.

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

6. How do you add an image to a webpage in HTML? *

- `` ✓
- `<image src="image.jpg">`
- ``
- `<image href="image.jpg">`

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

7. What is the purpose of the `<meta>` tag in HTML? *

- It defines a hyperlink.
- It specifies metadata about the document. ✓
- It creates a list item.
- It defines a section in a document.

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

8. How do you create a form in HTML? *

- <form> </form>
- <input> </input>
- <form>...</form> ✓
- <form />

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

9. What is the difference between GET and POST methods in form submissions? *

- GET appends form data to the URL, while POST does not. ✓
- POST appends form data to the URL, while GET does not.
- There is no difference between them.
- GET is used for submitting sensitive data, while POST is not.

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

10. What are semantic HTML elements and why are they important? *

- Semantic elements describe their meaning to both the browser and the developer, improving accessibility and SEO. ✓
- Semantic elements are used for styling purposes only.
- Semantic elements have no special meaning in HTML.
- Semantic elements are used for scripting purposes only.

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

11. What is the purpose of the <iframe> tag in HTML? *

- It defines an inline frame. ✓
- It defines a section in a document.
- It creates a hyperlink.
- It defines a form.

✘ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

12. How do you create a table in HTML? *

- `<table>...</table>`
- `<table></table>` ✓
- `<table> ... </table>`
- `<table />`

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

13. Explain the difference between the `<head>` and `<body>` tags. *

- `<head>` contains metadata about the document, while `<body>` contains the content of the document. ✓
- `<head>` contains the main content of the document, while `<body>` contains metadata.
- `<head>` is used for styling, while `<body>` is used for scripting.
- There is no difference between them.

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

14. What is the purpose of the `alt` attribute in an `` tag? *

- It defines the URL of the image.
- It specifies an alternative text for an image, which is displayed if the image cannot be loaded. ✓
- It specifies the alignment of the image.
- It specifies the height and width of the image.

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

15. How do you comment in HTML? *

- `<!-- This is a comment -->` ✓
- `// This is a comment //`
- `/* This is a comment */`
- `// This is a comment`

16. What does CSS stand for? *

- Cascading Style Sheets ✓
- Creative Style Syntax
- Centralized Styling System
- Coding Style Sheets

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

17. What is the difference between padding and margin in CSS? *

- Padding adds space outside the border, while margin adds space inside the border.
- Padding adds space inside the element, while margin adds space outside the element. ✓
- Padding and margin are the same.
- Padding and margin both add space outside the element.

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

18. How do you center an element horizontally and vertically in CSS? *

- text-align: center; and vertical-align: middle;
- margin: auto; and align-items: center;
- position: absolute; and top: 50%; left: 50%;
- display: flex; and justify-content: center; align-items: center; ✓

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

19. What is the difference between display: block, display: inline, and display: inline-block? *

- They are all the same
- display: block makes an element a block-level element, display: inline makes an element an inline-level element, and display: inline-block makes an element an inline-level block container. ✓
- display: block makes an element an inline-level element, display: inline makes an element a block-level element, and display: inline-block makes an element an inline-level block container.
- display: block makes an element a block-level element, display: inline makes an element an inline-level block container, and display: inline-block makes an element an inline-level element.

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

20. Explain the difference between position: relative, position: absolute, and position: fixed. *

- position: relative positions an element relative to its normal position, position: absolute positions an element relative to its first positioned ancestor, and position: fixed positions an element relative to the viewport. ✓
- position: relative positions an element relative to its first positioned ancestor, position: absolute positions an element relative to its normal position, and position: fixed positions an element relative to the viewport.
- They are all the same.
- position: relative positions an element relative to its normal position, position: absolute positions an element relative to its parent element, and position: fixed positions an element relative to the viewport.

✗ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

21. How do you apply styles to every second row of a table in CSS? *

- tr:nth-child(odd) { /* styles */ }
- tr:nth-child(even) { /* styles */ } ✓
- tr:nth-child(2n) { /* styles */ }
- tr:nth-child(2) { /* styles */ }

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

22. What is the purpose of the z-index property in CSS? *

- It specifies the horizontal position of an element.
- It specifies the vertical position of an element.
- It specifies the stacking order of elements. ✓
- It specifies the transparency of an element.

✗ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

23. What is the difference between margin: auto and text-align: center for centering elements? *

- There is no difference.
- margin: auto only centers block-level elements, while text-align: center only centers inline-level elements.
- margin: auto centers an element horizontally and vertically, while text-align: center centers an element horizontally.
- margin: auto centers an element horizontally, while text-align: center centers an element horizontally and vertically. ✓

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

24. How do you create a CSS class? *

class { /* styles */ } ✓

#class { /* styles */ }

class { /* styles */ }

.class { /* styles */ }

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

25. What is the box model in CSS? *

It defines the layout of a webpage.

It describes how elements are displayed visually.

It represents the content area, padding, border, and margin of an element. ✓

It specifies the order of elements on a page.

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

26. How do you select an element with a specific class in CSS? *

classname { /* styles */ } ✓

#classname { /* styles */ }

classname { /* styles */ }

element classname { /* styles */ }

✗ Incorrect 0/1 Points

0 / 1 pt
Auto-graded

27. What is the purpose of the float property in CSS? *

It specifies the alignment of an element.

It specifies the position of an element.

It specifies how an element should float. ✓

It specifies the width of an element.

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

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- .class { /* styles */ } ✓
- #class { /* styles */ }
- class { /* styles */ }
- .class: { /* styles */ }

✓ **Correct** 1/1 Points

1 / 1 pt
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- .classname { /* styles */ } ✓
- #classname { /* styles */ }
- classname { /* styles */ }
- element.classname { /* styles */ }

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- CSS Grid is one-dimensional, while Flexbox is two-dimensional.
- CSS Grid is two-dimensional, while Flexbox is one-dimensional. ✓
- They are the same.
- CSS Grid is for aligning items along a single axis, while Flexbox is for aligning items along two axes.

0 / 1 pt
Auto-graded

✗ Incorrect 0/1 Points

29. What is the difference between width: auto and width: 100% in CSS? *

- There is no difference.
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- width: auto sets the width of an element to 100% of its containing block, while width: 100% sets the width of an element to the maximum content width.
- width: auto sets the width of an element to the maximum content width, while width: 100% sets the width of an element to 100% of the viewport width.

1 / 1 pt
Auto-graded

✓ Correct 1/1 Points

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- @keyframes { /* animation */ } ✓
- animation { /* animation */ }
- transition { /* animation */ }
- transform { /* animation */ }

1 / 1 pt
Auto-graded

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31. What is JavaScript and what is it used for? *

- JavaScript is a markup language used for structuring content on the web.
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- JavaScript is a styling language used for designing web pages.
- JavaScript is a server-side language used for handling database operations.

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

32. How do you declare a variable in JavaScript? *

- var myVariable = 10;
- let myVariable = 10;
- const myVariable = 10;
- All of the above. ✓

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

33. Explain the difference between == and === in JavaScript. *

- == compares values and types, === compares only values.
- == compares only values, === compares values and types. ✓
- == and === are the same.
- == and === are used for assignment.

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

34. What is an array in JavaScript? *

- A data structure used for storing only numbers.
- A data structure used for storing key-value pairs.
- A collection of elements, each identified by an index. ✓
- A data structure used for storing strings only.

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

35. How do you add an element to the end of an array in JavaScript? *

- arr.add(element);
- arr.push(element); ✓
- arr.insert(element);
- arr.concat(element);

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

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- Null means a variable has been declared but not assigned a value, while undefined means a variable has been assigned a value.
- Null means a variable has been assigned a value, while undefined means a variable has not been declared.
- Null represents absence of a value, while undefined represents an uninitialized value. ✓
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0 / 1 pt
Auto-graded

37. How do you loop through elements in an array in JavaScript? *

- for (let i = 0; i < arr.length; i++) ✓
- for (let element in arr)
- for (let element of arr)
- All of the above.

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

38. What is a function in JavaScript? *

- A function is a method used for defining objects.
- A function is a block of code that can be called to perform a task. ✓
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1 / 1 pt
Auto-graded

39. What is the purpose of the return statement in a function? *

- It terminates the function execution and returns a value. ✓
- It defines the parameters of the function.
- It declares a variable inside the function.
- It is used for looping through elements.

✓ Correct 1/1 Points

40. How do you create an object in JavaScript? *

- let obj = {};
- let obj = 0;
- let obj = [];
- let obj = "";

0 / 1 pt
Auto-graded

✗ Incorrect 0/1 Points

41. What is the difference between let, const, and var in JavaScript? *

- let and const are block-scoped, var is function-scoped.
- const cannot be reassigned, let and var can be.
- var is hoisted to the top of its scope, let and const are not.
- All of the above. ✓

1 / 1 pt
Auto-graded

✓ Correct 1/1 Points

42. How do you handle errors in JavaScript? *

- try...catch ✓
- if...else
- switch...case
- for...in

1 / 1 pt
Auto-graded

✓ Correct 1/1 Points

43. What is the purpose of the this keyword in JavaScript? *

- It refers to the current object. ✓
- It refers to the previous object.
- It refers to a global object.
- It refers to the parent object.

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

44. Explain the concept of hoisting in JavaScript. *

- Hoisting is a feature that allows you to access variables before they are declared.
- Hoisting is a feature that moves function declarations to the top of their scope. ✓
- Hoisting is a feature that moves variable declarations to the top of their scope.
- Hoisting is a feature that allows you to access functions before they are declared.

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

45. How do you check the type of a variable in JavaScript? *

- typeof variable ✓
- variable.type
- variable.checkType()
- type(variable)

✗ Incorrect 0/1 Points

0 / 1 pt
Auto-graded

46. What is React and what problem does it solve? *

- React is a back-end framework for building server-side applications.
- React is a database management system for handling data. ✓
- React is a JavaScript library for building user interfaces.
- React is a styling framework for designing web pages.

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

47. What is JSX in React? *

- JSX is a templating engine used for server-side rendering.
- JSX is a programming language used for writing React components.
- JSX is a syntax extension for JavaScript that allows you to write HTML-like code in React. ✓
- JSX is a state management library for React applications.

✘ Incorrect 0/1 Points

0 / 1 pt
Auto-graded

48. How do you define a component in React?

- a) By using the class keyword
- b) By using the function keyword

a

b

Both a and b ✓

Neither a nor b

✔ Correct 1/1 Points

1 / 1 pt
Auto-graded

49. What is state in React? *

- State represents the structure of a React component
- State is used for defining the layout of a React component
- State is an object that stores data relevant to a component. ✓
- State is a method for handling events in React

✔ Correct 1/1 Points

1 / 1 pt
Auto-graded

50. What is props in React? *

- Props is a method for defining global variables in React components.
- Props is a way to add styles to React components.
- Props is short for properties and is used to pass data from parent to child components in React. ✓
- Props is a method for defining event handlers in React

✔ Correct 1/1 Points

1 / 1 pt
Auto-graded

51. What is Express.js? *

- Express.js is a front-end JavaScript framework
- Express.js is a database management system
- Express.js is a back-end web application framework for Node.js. ✓
- Express.js is a templating engine

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

52. What is the purpose of Express.js? *

- To handle client-side routing
- To manage databases
- To simplify the process of building web applications and APIs in Node.js ✓
- To handle styling of web pages

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

53. How do you install Express.js in a Node.js project? *

- npm install express -S
- npm install -g express
- npm install express ✓
- npm init express

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

54. What is a middleware in Express.js? *

- Middleware is a database schema in Express.js
- Middleware is a front-end library in Express.js
- Middleware is a function that has access to the request and response objects and can modify them ✓
- Middleware is a templating engine

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

55. How do you define a route handler in Express.js? *

- app.route('/path', handlerFunction)
- app.handler('/path', handlerFunction)
- app.get('/path', handlerFunction) ✓
- app.route('/path', handlerFunction)

56. What is PostgreSQL? *

- A NoSQL database management system
- A relational database management system ✓
- A front-end web framework
- A cloud computing platform

✗ Incorrect 0/1 Points

0 / 1 pt
Auto-graded

57. What are the key features of PostgreSQL? *

- No support for transactions
- Limited scalability options
- Extensive data type support ✓
- Limited concurrency control

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

58. How do you install PostgreSQL? *

- Using `npm install postgres`
- By downloading and installing from the official website ✓
- Using `pip install postgresql`
- By cloning the PostgreSQL GitHub repository

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

59. What is a database schema in PostgreSQL? *

- A collection of tables
- A graphical representation of data
- A logical grouping of objects such as tables, views, and indexes ✓
- A type of SQL query

✓ Correct 1/1 Points

60. What are the different data types supported by PostgreSQL? *

- Only string and integer
- Only float and boolean
- String, integer, float, boolean, and more ✓
- String, integer, and float only

A. ~~30/4/24~~ ~~30/4/24~~
VAC Coordinators
ARAVIND P STELLA MERCY M
AP/ECE AP/ECE

N.S. — Sar
30/4/24

HOD

Review: MCQ Test - "Value Added Course on Fullstack Development"

Respondent

19

IREAN.V

78:28

Time to complete

38/60

Points

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

1. What does HTML stand for? *

- Hyper Text Markup Language ✓
- High Tech Markup Language
- Hyperlink and Text Markup Language
- Home Tool Markup Language

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

2. What is the purpose of the <!DOCTYPE> declaration in HTML? *

- It specifies the character encoding for the document.
- It declares the HTML version being used. ✓
- It defines the structure and content of the document.
- It links an external stylesheet to the document.

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

3. How do you create a hyperlink in HTML? *

- Link ✓
- <link href="">
- <hyperlink>Link</hyperlink>
- <href>Link</href>

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

4. What is the difference between `<div>` and `` in HTML? *

- `<div>` is inline and `` is block level.
- `<div>` is used for grouping block level elements, while `` is used for grouping inline elements. ✓
- `<div>` is a semantic element and `` is not.
- There is no difference between them.

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

5. Explain the difference between ``, ``, and `<dl>` tags. *

- `` is for ordered lists, `` is for unordered lists, and `<dl>` is for definition lists. ✓
- `` is for unordered lists, `` is for ordered lists, and `<dl>` is for description lists.
- `` is for definition lists, `` is for unordered lists, and `<dl>` is for ordered lists.
- `` is for ordered lists, `` is for definition lists, and `<dl>` is for unordered lists.

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

6. How do you add an image to a webpage in HTML? *

- `` ✓
- `<image src="image.jpg">`
- ``
- `<image href="image.jpg">`

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

7. What is the purpose of the `<meta>` tag in HTML? *

- It defines a hyperlink.
- It specifies metadata about the document. ✓
- It creates a list item.
- It defines a section in a document.

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

8. How do you create a form in HTML? *

- <form> </form>
- <input> </input>
- <form>...</form> ✓
- <form />

✗ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

9. What is the difference between GET and POST methods in form submissions? *

- GET appends form data to the URL, while POST does not. ✓
- POST appends form data to the URL, while GET does not.
- There is no difference between them.
- GET is used for submitting sensitive data, while POST is not.

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

10. What are semantic HTML elements and why are they important? *

- Semantic elements describe their meaning to both the browser and the developer, improving accessibility and SEO. ✓
- Semantic elements are used for styling purposes only.
- Semantic elements have no special meaning in HTML.
- Semantic elements are used for scripting purposes only.

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

11. What is the purpose of the <iframe> tag in HTML? *

- It defines an inline frame. ✓
- It defines a section in a document.
- It creates a hyperlink.
- It defines a form.

✘ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

12. How do you create a table in HTML? *

- <table>...</table>
- <table></table> ✓
- <table> _ </table>
- <table />

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

13. Explain the difference between the <head> and <body> tags. *

- <head> contains metadata about the document, while <body> contains the content of the document. ✓
- <head> contains the main content of the document, while <body> contains metadata.
- <head> is used for styling, while <body> is used for scripting.
- There is no difference between them.

✘ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

14. What is the purpose of the alt attribute in an tag? *

- It defines the URL of the image.
- It specifies an alternative text for an image, which is displayed if the image cannot be loaded. ✓
- It specifies the alignment of the image.
- It specifies the height and width of the image.

✘ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

15. How do you comment in HTML? *

- <!--This is a comment--> ✓
- // This is a comment //
- /* This is a comment */
- // This is a comment

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

16. What does CSS stand for? *

- Cascading Style Sheets ✓
- Creative Style Syntax
- Centralized Styling System
- Coding Style Sheets

✗ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

17. What is the difference between padding and margin in CSS? *

- Padding adds space outside the border, while margin adds space inside the border.
- Padding adds space inside the element, while margin adds space outside the element. ✓
- Padding and margin are the same.
- Padding and margin both add space outside the element.

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

18. How do you center an element horizontally and vertically in CSS? *

- text-align: center; and vertical-align: middle;
- margin: auto; and align-items: center;
- position: absolute; and top: 50%; left: 50%;
- display: flex; and justify-content: center; align-items: center; ✓

✗ **Incorrect** 0/1 Points

0 / 1 pt
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- They are all the same.
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0 / 1 pt
Auto-graded

20. Explain the difference between `position: relative`, `position: absolute`, and `position: fixed`. *

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- `position: relative` positions an element relative to its first positioned ancestor, `position: absolute` positions an element relative to its normal position, and `position: fixed` positions an element relative to the viewport.
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1 / 1 pt
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- `tr:nth-child(odd) { /* styles */ }`
- `tr:nth-child(even) { /* styles */ }` ✓
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- It specifies the horizontal position of an element.
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1 / 1 pt
Auto-graded

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- #class { /* styles */ }
- class { /* styles */ }
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1 / 1 pt
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0 / 1 pt
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0 / 1 pt
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- JavaScript is a styling language used for designing web pages.
- JavaScript is a server-side language used for handling database operations.

`const myVariable = 10;`

All of the above. ✓

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

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`==` compares values and types, `===` compares only values.

`==` compares only values, `===` compares values and types. ✓

`==` and `===` are the same.

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1 / 1 pt
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0 / 1 pt
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- Null means a variable has been assigned a value, while undefined means a variable has not been declared.
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1 / 1 pt
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- Hoisting is a feature that moves function declarations to the top of their scope. ✓
- Hoisting is a feature that moves variable declarations to the top of their scope.
- Hoisting is a feature that allows you to access functions before they are declared.

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

45. How do you check the type of a variable in JavaScript? *

- typeof variable ✓
- variable.type
- variable.checkType()
- type(variable)

✗ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

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- JSX is a syntax extension for JavaScript that allows you to write HTML-like code in React. ✓
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✘ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

48. How do you define a component in React?

- a) By using the class keyword
- b) By using the function keyword.

- a
- b
- Both a and b ✓
- Neither a nor b

✔ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

49. What is state in React? *

- State represents the structure of a React component.
- State is used for defining the layout of a React component.
- State is an object that stores data relevant to a component. ✓
- State is a method for handling events in React.

✔ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

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Auto-graded

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0 / 1 pt
Auto-graded

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- npm install -g express
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1 / 1 pt
Auto-graded

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- app.handler('/path', handlerFunction)
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- app.post('/path', handlerFunction)

✓ Correct 1/1 Points

Auto-graded

56. What is PostgreSQL? *

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- A relational database management system ✓
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✗ Incorrect 0/1 Points

0 / 1 pt
Auto-graded

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✗ Incorrect 0/1 Points

0 / 1 pt
Auto-graded

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✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

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- Only string and integer
- Only float and boolean
- String, integer, float, boolean, and more ✓
- String, integer, and float only

A. 30/4/24
VAC Coordinators
ARAVIND P
AP/ECE
STELLA MERCY M
AP/ECE

R.S. — Sar
30/4/24
HOD

Review: MCQ Test - "Value Added Course on Fullstack Development"

Respondent

18

PRITHIVIBALAJI.M

00:23

Time to complete

30/60

Points

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

1. What does HTML stand for? *

- Hyper Text Markup Language ✓
- High Tech Markup Language
- Hyperlink and Text Markup Language
- Home Tool Markup Language

✗ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

2. What is the purpose of the <!DOCTYPE> declaration in HTML? *

- It specifies the character encoding for the document.
- It declares the HTML version being used. ✓
- It defines the structure and content of the document.
- It links an external stylesheet to the document.

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

3. How do you create a hyperlink in HTML? *

- Link ✓
- <link href="">
- <hyperlink>Link</hyperlink>
- <href>Link</href>

✘ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

4. What is the difference between `<div>` and `` in HTML? *

- `<div>` is inline and `` is block-level.
- `<div>` is used for grouping block-level elements, while `` is used for grouping inline elements. ✓
- `<div>` is a semantic element and `` is not.
- There is no difference between them.

✔ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

5. Explain the difference between ``, ``, and `<dl>` tags. *

- `` is for ordered lists, `` is for unordered lists, and `<dl>` is for definition lists. ✓
- `` is for unordered lists, `` is for ordered lists, and `<dl>` is for description lists.
- `` is for definition lists, `` is for unordered lists, and `<dl>` is for ordered lists.
- `` is for ordered lists, `` is for definition lists, and `<dl>` is for unordered lists.

✘ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

6. How do you add an image to a webpage in HTML? *

- `` ✓
- `<image src="image.jpg">`
- ``
- `<image href="image.jpg">`

✔ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

7. What is the purpose of the `<meta>` tag in HTML? *

- It defines a hyperlink.
- It specifies metadata about the document. ✓
- It creates a list item.
- It defines a section in a document.

1 / 1 pt
Auto-graded

✓ Correct 1/1 Points

8. How do you create a form in HTML? *

- <form> </form>
- <input> </input>
- <form>...</form> ✓
- <form />

1 / 1 pt
Auto-graded

✓ Correct 1/1 Points

9. What is the difference between GET and POST methods in form submissions? *

- GET appends form data to the URL, while POST does not. ✓
- POST appends form data to the URL, while GET does not.
- There is no difference between them.
- GET is used for submitting sensitive data, while POST is not.

1 / 1 pt
Auto-graded

✓ Correct 1/1 Points

10. What are semantic HTML elements and why are they important? *

- Semantic elements describe their meaning to both the browser and the developer, improving accessibility and SEO. ✓
- Semantic elements are used for styling purposes only.
- Semantic elements have no special meaning in HTML.
- Semantic elements are used for scripting purposes only.

1 / 1 pt
Auto-graded

✓ Correct 1/1 Points

11. What is the purpose of the <iframe> tag in HTML? *

- It defines an inline frame. ✓
- It defines a section in a document.
- It creates a hyperlink.
- It defines a form.

0 / 1 pt
Auto-graded

✘ **Incorrect** 0/1 Points

12. How do you create a table in HTML? *

- <table> ... </table>
- <table> </table> ✓
- <table> ... </tables>
- <table />

1 / 1 pt
Auto-graded

✔ **Correct** 1/1 Points

13. Explain the difference between the <head> and <body> tags. *

- <head> contains metadata about the document, while <body> contains the content of the document. ✓
- <head> contains the main content of the document, while <body> contains metadata.
- <head> is used for styling, while <body> is used for scripting.
- There is no difference between them.

1 / 1 pt
Auto-graded

✔ **Correct** 1/1 Points

14. What is the purpose of the alt attribute in an tag? *

- It defines the URL of the image.
- It specifies an alternative text for an image, which is displayed if the image cannot be loaded. ✓
- It specifies the alignment of the image.
- It specifies the height and width of the image.

1 / 1 pt
Auto-graded

✔ **Correct** 1/1 Points

15. How do you comment in HTML? *

- <!-- This is a comment --> ✓
- // This is a comment //
- /* This is a comment */
- // This is a comment

✓ **Correct** 1/1 Points

16. What does CSS stand for? *

- Cascading Style Sheets ✓
- Creative Style Syntax
- Centralized Styling System
- Coding Style Sheets

0 / 1 pt
Auto-graded

✗ **Incorrect** 0/1 Points

17. What is the difference between padding and margin in CSS? *

- Padding adds space outside the border, while margin adds space inside the border.
- Padding adds space inside the element, while margin adds space outside the element. ✓
- Padding and margin are the same.
- Padding and margin both add space outside the element.

1 / 1 pt
Auto-graded

✓ **Correct** 1/1 Points

18. How do you center an element horizontally and vertically in CSS? *

- text-align: center; and vertical-align: middle;
- margin: auto; and align-items: center;
- position: absolute; and top: 50%; left: 50%;
- display: flex; and justify-content: center; align-items: center; ✓

0 / 1 pt
Auto-graded

✗ **Incorrect** 0/1 Points

19. What is the difference between display: block, display: inline, and display: inline-block? *

- They are all the same.
- display: block makes an element a block-level element, display: inline makes an element an inline-level element, and display: inline-block makes an element an inline-level block container. ✓
- display: block makes an element an inline-level element, display: inline makes an element a block-level element, and display: inline-block makes an element an inline-level block container.
- display: block makes an element a block-level element, display: inline makes an element an inline-level block container, and display: inline-block makes an element an inline-level element.

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

20. Explain the difference between position: relative, position: absolute, and position: fixed. *

- position: relative positions an element relative to its normal position, position: absolute positions an element relative to its first positioned ancestor, and position: fixed positions an element relative to the viewport. ✓
- position: relative positions an element relative to its first positioned ancestor, position: absolute positions an element relative to its normal position, and position: fixed positions an element relative to the viewport.
- They are all the same.
- position: relative positions an element relative to its normal position, position: absolute positions an element relative to its parent element, and position: fixed positions an element relative to the viewport.

✗ Incorrect 0/1 Points

0 / 1 pt
Auto-graded

21. How do you apply styles to every second row of a table in CSS? *

- tr:nth-child(odd) { /* styles */ }
- tr:nth-child(even) { /* styles */ } ✓
- tr:nth-child(2n) { /* styles */ }
- tr:nth-child(2) { /* styles */ }

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

22. What is the purpose of the z-index property in CSS? *

- It specifies the horizontal position of an element.
- It specifies the vertical position of an element.
- It specifies the stacking order of elements. ✓
- It specifies the transparency of an element.

✗ Incorrect 0/1 Points

0 / 1 pt
Auto-graded

23. What is the difference between margin: auto and text-align: center for centering elements? *

- There is no difference.
- margin: auto only centers block-level elements, while text-align: center only centers inline-level elements.
- margin: auto centers an element horizontally and vertically, while text-align: center centers an element horizontally.
- margin: auto centers an element horizontally, while text-align: center centers an element horizontally and vertically. ✓

✘ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

24. How do you create a CSS class? *

- .class { /* styles */ } ✓
- #class { /* styles */ }
- class { /* styles */ }
- .class { /* styles */ }

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

25. What is the box model in CSS? *

- It defines the layout of a webpage.
- It describes how elements are displayed visually.
- It represents the content area, padding, border, and margin of an element. ✓
- It specifies the order of elements on a page.

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

26. How do you select an element with a specific class in CSS? *

- classname { /* styles */ } ✓
- #classname { /* styles */ }
- classname { /* styles */ }
- element classname { /* styles */ }

✘ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

27. What is the purpose of the float property in CSS? *

- It specifies the alignment of an element.
- It specifies the position of an element.
- It specifies how an element should float. ✓
- It specifies the width of an element.

✘ Incorrect 0/1 Points

0 / 1 pt
Auto-graded

28. Explain the difference between CSS Grid and Flexbox. *

- CSS Grid is one-dimensional, while Flexbox is two-dimensional.
- CSS Grid is two-dimensional, while Flexbox is one-dimensional. ✓
- They are the same.
- CSS Grid is for aligning items along a single axis, while Flexbox is for aligning items along two axes.

✘ Incorrect 0/1 Points

0 / 1 pt
Auto-graded

29. What is the difference between width: auto and width: 100% in CSS? *

- There is no difference.
- width: auto sets the width of an element to the maximum content width, while width: 100% sets the width of an element to 100% of its containing block. ✓
- width: auto sets the width of an element to 100% of its containing block, while width: 100% sets the width of an element to the maximum content width.
- width: auto sets the width of an element to the maximum content width, while width: 100% sets the width of an element to 100% of the viewport width.

✓ Correct 1/1 Points

1 / 1 pt
Auto-graded

30. How do you create a CSS animation? *

- @keyframes { /* animation */ } ✓
- animation: { /* animation */ }
- transition: { /* animation */ }
- transform: { /* animation */ }

✘ Incorrect 0/1 Points

0 / 1 pt
Auto-graded

31. What is JavaScript and what is it used for? *

- JavaScript is a markup language used for structuring content on the web.
- JavaScript is a programming language used for adding interactivity to web pages. ✓
- JavaScript is a styling language used for designing web pages.
- JavaScript is a server-side language used for handling database operations.

0 / 1 pt
Auto-graded

✘ **Incorrect** 0/1 Points

32. How do you declare a variable in JavaScript? *

- var myVariable = 10;
- let myVariable = 10;
- const myVariable = 10;
- All of the above. ✓

0 / 1 pt
Auto-graded

✘ **Incorrect** 0/1 Points

33. Explain the difference between == and === in JavaScript. *

- == compares values and types, === compares only values.
- == compares only values, === compares values and types. ✓
- == and === are the same.
- == and === are used for assignment.

0 / 1 pt
Auto-graded

✘ **Incorrect** 0/1 Points

34. What is an array in JavaScript? *

- A data structure used for storing only numbers.
- A data structure used for storing key-value pairs.
- A collection of elements, each identified by an index. ✓
- A data structure used for storing strings only.

1 / 1 pt
Auto-graded

✓ **Correct** 1/1 Points

35. How do you add an element to the end of an array in JavaScript? *

- arr.add(element);
- arr.push(element); ✓
- arr.insert(element);
- arr.concat(element);

✘ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

36. What is the difference between null and undefined in JavaScript? *

- Null means a variable has been declared but not assigned a value, while undefined means a variable has been assigned a value.
- Null means a variable has been assigned a value, while undefined means a variable has not been declared.
- Null represents absence of a value, while undefined represents an uninitialized value. ✓
- Null and undefined are the same.

✘ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

37. How do you loop through elements in an array in JavaScript? *

- for (let i = 0; i < arr.length; i++) ✓
- for (let element in arr)
- for (let element of arr)
- All of the above.

✘ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

38. What is a function in JavaScript? *

- A function is a method used for defining objects.
- A function is a block of code that can be called to perform a task. ✓
- A function is a data type used for storing values.
- A function is a conditional statement used for control flow.

✘ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

39. What is the purpose of the return statement in a function? *

- It terminates the function execution and returns a value. ✓
- It defines the parameters of the function.
- It declares a variable inside the function.
- It is used for looping through elements.

✗ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

40. How do you create an object in JavaScript? *

- let obj = {} ✓
- let obj = {};
- let obj = {};
- let obj = {};

✗ **Incorrect** 0/1 Points

0 / 1 pt
Auto-graded

41. What is the difference between let, const, and var in JavaScript? *

- let and const are block-scoped, var is function-scoped.
- const cannot be reassigned, let and var can be.
- var is hoisted to the top of its scope, let and const are not.
- All of the above. ✓

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

42. How do you handle errors in JavaScript? *

- try...catch ✓
- if...else
- switch...case
- for...in

✓ **Correct** 1/1 Points

1 / 1 pt
Auto-graded

43. What is the purpose of the this keyword in JavaScript? *

- It refers to the current object. ✓
- It refers to the previous object.
- It refers to a global object.
- It refers to the parent object.

✓ **Correct** 1/1 Points

1 / 1 pt
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0 / 1 pt
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0 / 1 pt
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0 / 1 pt
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1 / 1 pt
Auto-graded

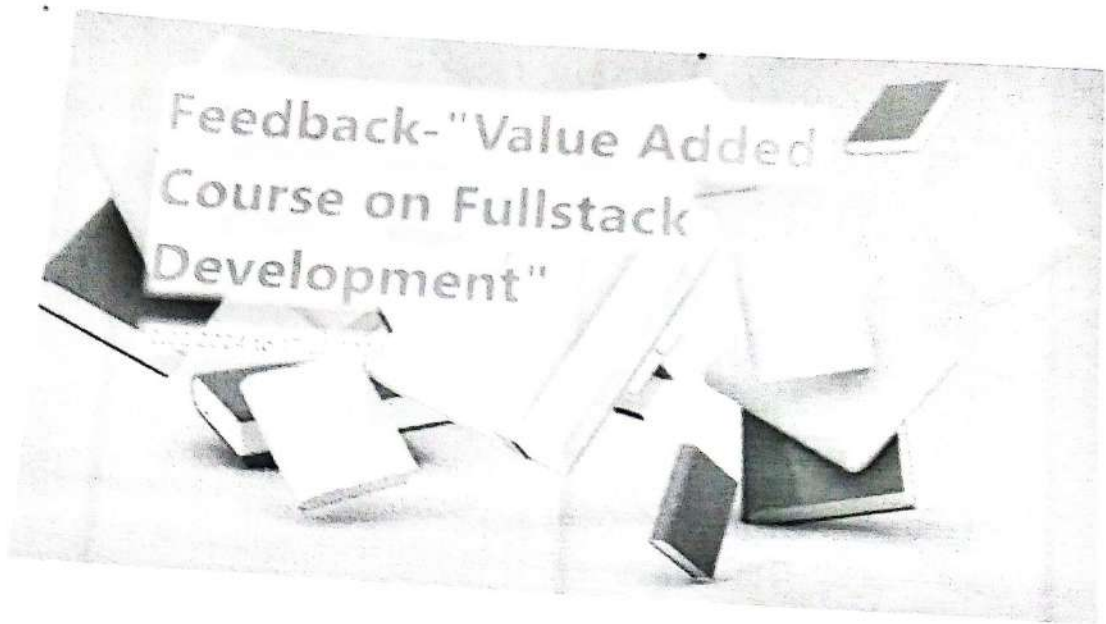
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A. 30/4/24
VAC coordinator
ARAVIND P
AP/ECE

30/4/24
STELLA MERCY M
AP/ECE

N.S - Bar
30/4/24
HOD



* Required

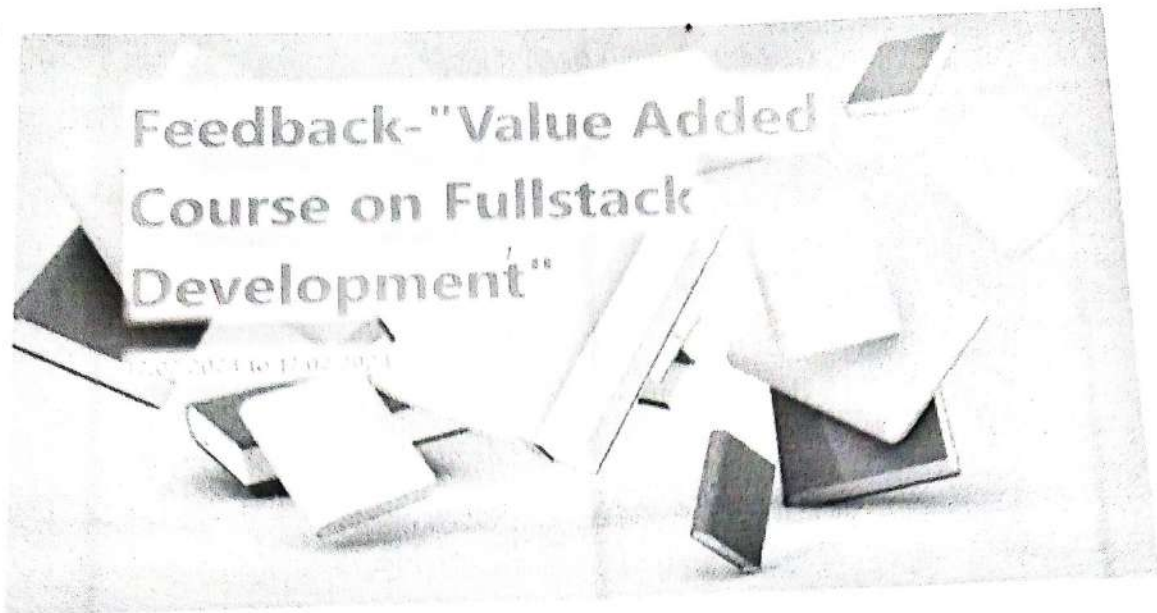
* This form will record your name, please fill your name

1. Name of the student *

2. Roll number (Give full digits like 22UEC001) *

3. The session were well organized *

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly disagree



* Required

* This form will record your name, please fill your name

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- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly disagree

4. The contents in the session were presented in a clear and organized manner. *

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly disagree

5. The trainer responded to questions in an informative, appropriate and satisfactory manner. *

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly disagree

6. The trainer demonstrated a profound understanding of the course subject. *

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly disagree

7. Whether the Resource Person encouraged the interaction? *

- Yes
- No

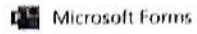
8. What is the most valuable aspect of this session in your opinion? *

9. Other comments *

10. Overall Rating for the "Value Added Course on Fullstack Development" *



This content is neither created nor endorsed by Microsoft. The data you submit will be sent to the form owner.



Review: Feedback-"Value Added Course on Fullstack Development"

Respondent

3

SWETHA.A

01:20

Time to complete

1. Name of the student *

Score / 0 pts

A Swetha

2. Roll number (Give full digits like 22UEC001) *

Score / 0 pts

22uec020

3. The session were well organized *

Score / 0 pts

- Strongly Agree
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Score / 0 pts

- Yes
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8. What is the most valuable aspect of this session in your opinion? *

Score / 0 pts

We had both theory and handson session which made us more strong.

9. Other comments *

Score / 0 pts

No

10. Overall Rating for the "Value Added Course on Fullstack Development" *

Score / 0 pts

★ ★ ★ ★ ★

A. 30/4/24
 VAC Coordinator
 ARAVIND P
 AP/ECE

STELLA MERCY M
 AP/ECE

N.S - Sun
 HOD 30/4/24

Review: Feedback-"Value Added Course on Fullstack Development"

Respondent

B ARISWARAN.C

02:19

Time to complete

1. Name of the student *

Score / 0 pts

Arswaran

2. Roll number (Give full digits like 22UEC001) *

Score / 0 pts

22uec048

3. The session were well organized ^

Score / 0 pts

Strongly Agree

Agree

Neutral

Disagree

Strongly disagree

4. The contents in the session were presented in a clear and organized manner ^

Score / 0 pts

Strongly Agree

Agree

Neutral

Disagree

Strongly disagree

5. The trainer responded to questions in an informative, appropriate and satisfactory manner. *

Score / 0 pts

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly disagree

6. The trainer demonstrated a profound understanding of the course subject *

Score / 0 pts

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly disagree

7. Whether the Resource Person encouraged the interaction? *

Score / 0 pts

- Yes
- No

8. What is the most valuable aspect of this session in your opinion? *

Score / 0 pts

To give some basic knowledge to create a web page

9. Other comments *

Score / 0 pts

Well Teached, but the course duration is too small for the whole full stack development

10. Overall Rating for the "Value Added Course on Fullstack Development" *

Score / 0 pts



A. 30/4/24
 VAC Co-ordinators
 ARAVIND P AP/ECE
 STELLA MERCY M AP/ECE

N.J. - Dan
 30/4/24
 HoD

Review: Feedback-"Value Added Course on Fullstack Development"

Respondent

17 GOPINATH.P

79:33

Time to complete

1. Name of the student *

Score / 0 pts

2. Roll number (Give full digits like 22UEC001) *

Score / 0 pts

3. The session were well organized *

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly disagree

Score / 0 pts

4. The contents in the session were presented in a clear and organized manner *

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly disagree

Score / 0 pts

5. The trainer responded to questions in an informative, appropriate and satisfactory manner. *

Score: / 0 pts

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly disagree

6. The trainer demonstrated a profound understanding of the course subject *

Score: / 0 pts

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly disagree

7. Whether the Resource Person encouraged the interaction? *

Score: / 0 pts

- Yes
- No

8. What is the most valuable aspect of this session in your opinion? *

Score: / 0 pts

Learn about database

Score: / 0 pts

9. Other comments *

I can learned more and new things about full stack. The trainers are taking sessions very well. Thanks for the opportunity.

Score: / 0 pts

10. Overall Rating for the "Value Added Course on Fullstack Development" *

★ ★ ★ ★ ★

A. 30/4/24
VAC coordinators
ARAVIND P
AP/ECE
STELLA MERCY M
AP/ECE

NS - Bar
30/4/24
HOD

Department of Electronics and Communication Engineering
 Value Added Course on Full Stack Development
 (12.02.2024 to 17.02.2024)

| Student's Feedback | | | | | | | | | | |
|--------------------|-------------|---------------------|---------------------------------|--|---|---|---|--|--|----------------|
| S.No | Roll Number | Name of the Student | The session were well organized | The contents in the session were presented in a clear and organized manner | The trainer responded to questions in an appropriate and informative manner | The trainer demonstrated a profound understanding of the course | Whether the Resource Person encouraged the interaction? | What is the most valuable aspect of this session in your opinion? | Other comments | Overall Rating |
| 1 | 22UEC001 | IRFAN V | Strongly Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | i learned about full stack within 6 days now i can create a my own website | the staffs interaction is nice | 5 |
| 2 | 22UEC002 | RAJESHWARIC | Strongly Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | How to develop html websites by using java script and using vs code and pg admin data base | No comments | 5 |
| 3 | 22UEC005 | GOKUL P | Agree | Agree | Agree | Agree | Yes | it is very useful | very short time limit next time add some weeks to learn value added course | 3 |
| 4 | 22UEC008 | MARI MUNEESWAR R | Strongly Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | we come to know some important things | session is well and good still need more course like this | 4 |
| 5 | 22UEC009 | KISHOR KUMAR R | Strongly Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | practical learning | none | 5 |
| 6 | 22UEC010 | PRITHIVBALAJI M | Strongly Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | to develops the web page by own interest | well trained by our full stack development staff easy to learn | 5 |
| 7 | 22UEC016 | DINESH KUMAR S K | Strongly Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | Its very usable | Its useful for placement | 5 |

| S.No | Roll Number | Name of the Student | The session were well organized | The contents in the session were presented in a clear and organized manner | The trainer responded to questions in an appropriate, informative, and satisfactory manner | The trainer demonstrated a profound understanding of the course | Whether the Resource Person encouraged the interaction? | What is the most valuable aspect of this session in your opinion? | Other comments | Overall Rating |
|------|-------------|---------------------|---------------------------------|--|--|---|---|--|---|----------------|
| 8 | 22UEC017 | RAVIVARMA K | Strongly Agree | Strongly Agree | Agree | Strongly Agree | Yes | Very useful | Nil | 5 |
| 9 | 22UEC019 | BARATHINIVASH S | Strongly Agree | Strongly Agree | Agree | Agree | Yes | I Learned all the concepts in the full stack development because of the kind behaviour of nithiswaran and mathan bro.... | good | 5 |
| 10 | 22UEC020 | SWETHA A | Strongly Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | We had both theory and handson session which made us more strong. | No | 5 |
| 11 | 22UEC025 | SRI DEVI SRIM | Strongly Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | Creating a webpage for our own | We can gain more knowledge about full stack development | 5 |
| 12 | 22UEC030 | PAUL JOUSHVA P | Strongly Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | HTML and CSS | Nothing | 4 |
| 13 | 22UEC032 | RAGAVAN N | Agree | Strongly Agree | Agree | Agree | Yes | it very usefull | nextime extra day include in the value order course .thank you....! | 4 |
| 14 | 22UEC033 | SUGUMAR M | Strongly Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | good | good | 5 |
| 15 | 22UEC036 | RAJARAJESWARIR | Strongly Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | Creating a webpage | Usefull to everyone | 5 |
| 16 | 22UEC037 | BHARVATHI S | Agree | Agree | Agree | Agree | Yes | I have learnt many useful things | Good | 4 |
| 17 | 22UEC038 | HIMAGOWRI S C | Strongly Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | i got clear understanding about full stack development | I got clear vision about full stack development | 5 |

| S.No | Roll Number | Name of the Student | The session were well organized | The contents in the session were presented in a clear and organized manner | The trainer responded to questions in an informative, appropriate and satisfactory manner | The trainer demonstrated a profound understanding of the course | Whether the Resource Person encouraged the interaction? | What is the most valuable aspect of this session in your opinion? | Other comments | Overall Rating |
|------|-------------|------------------------|---------------------------------|--|---|---|---|---|---|----------------|
| 18 | 22UEC042 | SURESH KUMAR K | Strongly Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | I learned all the online of the full stack with in 5 days. now I can create my own website. I know frontend backend in full stack. Thank you for the staff who are handle this session. | interaction is nice | 5 |
| 19 | 22UEC043 | BALAJI K | Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | Learn about database handling | Good | 5 |
| 20 | 22UEC044 | SAKTHI SURYA R | Agree | Agree | Neutral | Agree | No | Learning about working of webpages | Less interactive in the learning the platform | 5 |
| 21 | 22UEC046 | RAMACHANDRA BOOPATHI S | Agree | Agree | Agree | Agree | Yes | To give some basic knowledge to create a web page | Well trained. the course structure is so small for the whole full stack development | 4 |
| 22 | 22UEC048 | ARISWARAN C | Agree | Agree | Agree | Agree | Yes | to create web page | I really thankful to the instructor for the content and practice our as student. the | 4 |
| 23 | 22UEC050 | BOSE A | Strongly Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | I have learnt more full stack content | the really interesting is the the web session content and the module are very interesting | 5 |
| 24 | 22UEC056 | KARTHIKA RANI K | Strongly Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | I know about to create a web site using the a week | Not bad | 5 |
| 25 | 22UEC058 | UDHAYA SANKAR S | Strongly Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | Good | Good | 5 |
| 26 | 22UEC059 | BALAJI R | Strongly Agree | Agree | Agree | Agree | Yes | Good | Good | 5 |

| S.No | Roll Number | Name of the Student | The session were well organized | The contents in the session were presented in a clear and organized manner | The trainer responded to questions in an appropriate and informative manner | The trainer demonstrated a profound understanding of the course | Whether the Resource Person encouraged the interaction? | What is the most valuable aspect of this session in your opinion? | Other comments | Overall Rating |
|------|-------------|---------------------|---------------------------------|--|---|---|---|---|---|----------------|
| 27 | 22UEC060 | ASHOKKUMAR.M | Strongly Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | - | - | 5 |
| 28 | 22UEC061 | VADIVEL.M | Strongly Agree | Strongly Agree | Agree | Strongly Agree | Yes | Very good | Good | 5 |
| 29 | 22UEC062 | PRAVEEN RAJ.R | Agree | Agree | Agree | Agree | Yes | - | - | 4 |
| 30 | 22UEC064 | GOPINATH.P | Agree | Strongly Agree | Strongly Agree | Strongly Agree | Yes | Learn about database | I can learn more and new things about full stack. The trainers are taking sessions very well. Thanks for the opportunity. | 5 |

A. 30/4/24
 VAC Coordinators
 ARAVIND P AP/ECE
 STELLA MERCY H AP/ECE

R.V. - Aar
 HO/DECE
 30/4/24

Feedback-"Value Added Course on Fullstack Development"

30 Responses

15:35 Average time to complete

Closed Status

1. Name of the student (0 point)

30 Responses

Latest Responses
 "RAVIVARMA K"
 "P.Gokul"
 "N.Ragava"

3 respondents (10%) answered **kumar** for this question.

SKDINESH KUAMAR
 Gopinath P Kishor kumar PRAVEEN RAJR SRamachandra Boopathi
 KARTHIGA RANIK BALAJI K **kumar** M R ksuresh kumar ASHOK
 RSAKTHI SURYA Bala R Rajarajeswari R RAVIVARMA K
 SUDhaya Sankar Rajeshwaric PPaul joushva

2. Roll number (Give full digits like 22UEC001) (0 point)

30 Responses

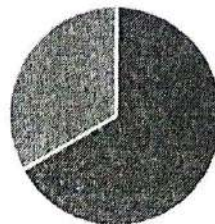
Latest Responses
 "22uec017"
 "22UEC005"
 "22uec032"

1 respondents (3%) answered **22UEC002** for this question.

22uec064 22uec038
 22UEC046 22UEC008 22uec048 22uec036 22UEC058
 22uec050 22UEC043 22UEC002 22uec061 22UEC062
 22UEC001 22uec059 22uec033 22uec020 22UEC060
 22uec019 22UEC056 22UEC010

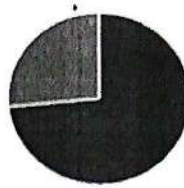
3. The session were well organized (0 point)

- Strongly Agree 20
- Agree 10
- Neutral 0
- Disagree 0
- Strongly disagree 0



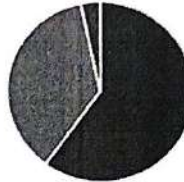
4. The contents in the session were presented in a clear and organized manner (0 point)

| | |
|---------------------|----|
| ● Strongly Agree | 22 |
| ● Agree | 8 |
| ● Neutral | 0 |
| ● Disagree | 0 |
| ● Strongly disagree | 0 |



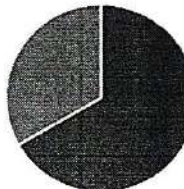
5. The trainer responded to questions in an informative, appropriate and satisfactory manner. (0 point)

| | |
|---------------------|----|
| ● Strongly Agree | 18 |
| ● Agree | 11 |
| ● Neutral | 1 |
| ● Disagree | 0 |
| ● Strongly disagree | 0 |



6. The trainer demonstrated a profound understanding of the course subject (0 point)

| | |
|---------------------|----|
| ● Strongly Agree | 20 |
| ● Agree | 10 |
| ● Neutral | 0 |
| ● Disagree | 0 |
| ● Strongly disagree | 0 |



7. Whether the Resource Person encouraged the interaction? (0 point)

| | |
|-------|----|
| ● Yes | 29 |
| ● No | 1 |

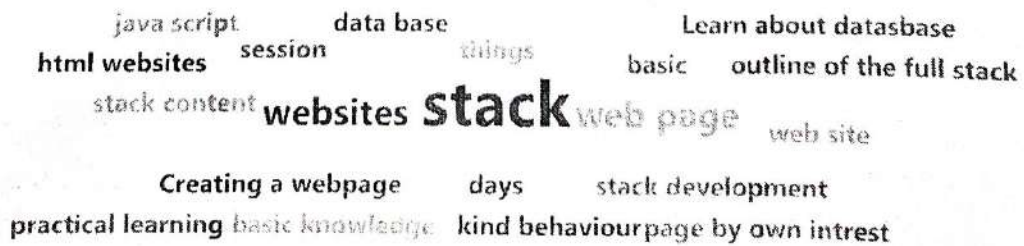


8. What is the most valuable aspect of this session in your opinion? (0 point)

30 Responses

Latest Responses
 "Very useful"
 "it is very useful"
 "it very usefull"

5 respondents (17%) answered **stack** for this question



9. Other comments (0 point)

30
Responses

Latest Responses

"Nil"

"very short time limit next time add some weeks to learn value added course"

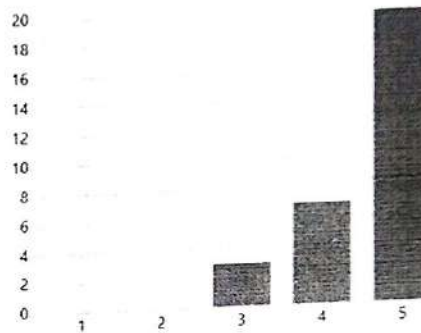
"nexttime extra day include in the value order course .thank you...!"

7 respondents (23%) answered **Good** for this question.

development staff time limit thankful to nithiswaran
 mathan interaction is nice session order course
Good course session is well and good
 stack development duration is too small value course duration staffs interaction
 best performers extra day clear vision useful for placement
 ece student

10. Overall Rating for the "Value Added Course on Fullstack Development" (0 point)

4.57
Average Rating



A. 30/4/24
 VAC COORDINATORS
 ARAVIND P
 AP/ECE

30/4/24
 STELLA MERCY M
 AP/ECE

N.J - Ban
30/4/24

HOD

QUANTANICS TECH SERV PVT LTD

CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. IRFAN V

of **KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY** has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by **Kamaraj College of Engineering & Technology, Virudhunagar** in Collaboration with **Quantanics Tech Serv Pvt Ltd, Madurai** during **12th Feb 2024 to 17th Feb 2024.**

He has completed the assessment and project work successfully.

SCORE : 73

A. Benawan

CEO



QUANTANICS TECH SERV PVT LTD

CERTIFICATE OF COMPLETION

This certificate is awarded to

MS. RAJESHWARI C

KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the
days Hands-On Training on **FULL STACK DEVELOPMENT** organized by **Kamaraj College of Engineering &
Technology, Virudhunagar** in Collaboration with **Quantanics Tech Serv Pvt Ltd, Madurai** during **12th Feb 2024 to
15th Feb 2024**.

She has completed the assessment and project work successfully.

A. Sreenawah

CEO

SCORE: 61

QUANTANICS TECH SERV PVT LTD



CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. GOKUL P

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by *Kamaraj College of Engineering & Technology, Virudhunagar* in Collaboration with *Quantanics Tech Serv Pvt Ltd, Madurai* during *12th Feb 2024 to 17th Feb 2024.*

He has completed the assessment and project work successfully.

SCORE : 63

A. Sreeravan

CEO

QUANTANICS TECH SERV PVT LTD



CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. MARI MUNEESWAR R

of **KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY** has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by **Kamaraj College of Engineering & Technology, Virudhunagar** in Collaboration with **Quantanics Tech Serv Pvt Ltd, Madurai** during **12th Feb 2024 to 17th Feb 2024.**

He has completed the assessment and project work successfully.

SCORE : 64

A. Sreeravan

CEO

QUANTANICS TECH SERV PVT LTD



CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. KISHOR KUMAR R

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on FULL STACK DEVELOPMENT organized by Kamaraj College of Engineering & Technology, Virudhunagar in Collaboration with Quantanics Tech Serv Pvt Ltd, Madurai during 12th Feb 2024 to 17th Feb 2024.

He has completed the assessment and project work successfully.

A. Sreewah

CEO

SCORE: 63

QUANTANICS TECH SERV PVT LTD



CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. PRITHIVBALAJI M

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by *Kamaraj College of Engineering & Technology, Virudhunagar* in Collaboration with *Quantanics Tech Serv Pvt Ltd, Madurai* during **12th Feb 2024 to 17th Feb 2024.**

He has completed the assessment and project work successfully.

SCORE : 56

A. Sreavan

CEO



QUANTANICS TECH SERV PVT LTD



CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. DINESH KUMAR S K

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by *Kamaraj College of Engineering & Technology, Virudhunagar* in Collaboration with *Quantanics Tech Serv Pvt Ltd, Madurai* during **12th Feb 2024** to **17th Feb 2024**.

He has completed the assessment and project work successfully.

SCORE : 73

A. Sreeravan

CEO

QUANTANICS TECH SERV PVT LTD

CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. RAVIVARMA K

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by *Kamaraj College of Engineering & Technology, Virudhunagar* in Collaboration with *Quantanics Tech Serv Pvt Ltd, Madurai* during *12th Feb 2024 to 17th Feb 2024.*

He has completed the assessment and project work successfully.

SCORE : 65

A. Sreeravan

CEO



QUANTANICS TECH SERV PVT LTD

CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. BARATHNIVASH S

of **KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY** has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by **Kamaraj College of Engineering & Technology, Virudhunagar** in Collaboration with **Quantanics Tech Serv Pvt Ltd, Madurai** during **12th Feb 2024 to 17th Feb 2024**.

He has completed the assessment and project work successfully.

A. Sreenivasan

CEO

SCORE : 66

QUANTANICS TECH SERV PVT LTD

CERTIFICATE OF COMPLETION

This certificate is awarded to

MS. SWETHA A

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on FULL STACK DEVELOPMENT organized by Kamaraj College of Engineering & Technology, Virudhunagar in Collaboration with Quantanics Tech Serv Pvt Ltd, Madurai during 12th Feb 2024 to 17th Feb 2024.

She has completed the assessment and project work successfully.

A. Sreeragh

CEO

SCORE: 88



QUANTANICS TECH SERV PVT LTD

CERTIFICATE OF COMPLETION

This certificate is awarded to

MS. SRI DEVI SRI M

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on FULL STACK DEVELOPMENT organized by Kamaraj College of Engineering & Technology, Virudhunagar in Collaboration with Quantanics Tech Serv Pvt Ltd, Madurai during 12th Feb 2024 to 17th Feb 2024.

She has completed the assessment and project work successfully.

A. Sreewani

CEO

SCORE : 66



QUANTANICS TECH SERV PVT LTD

CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. PAUL JOUSHVA P

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by *Kamaraj College of Engineering & Technology, Virudhunagar* in Collaboration with *Quantanics Tech Serv Pvt Ltd, Madurai* during *12th Feb 2024 to 17th Feb 2024.*

He has completed the assessment and project work successfully.

SCORE : 69

A. Srinivasan

CEO

QUANTANICS TECH SERV PVT LTD

CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. RAGAVAN N

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by *Kamaraj College of Engineering & Technology, Virudhunagar* in Collaboration with *Quantanics Tech Serv Pvt Ltd, Madurai* during *12th Feb 2024* to *17th Feb 2024*.

He has completed the assessment and project work successfully.

A. Sreenivasan

CEO

SCORE : 59



QUANTANICS TECH SERV PVT LTD

CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. RAGAVAN N

of **KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY** has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by **Kamaraj College of Engineering & Technology, Virudhunagar** in Collaboration with **Quantanics Tech Serv Pvt Ltd, Madurai** during **12th Feb 2024 to 17th Feb 2024.**

He has completed the assessment and project work successfully.

A. Sreenivasan

CFO

SCORE : 59

QUANTANICS TECH SERV PVT LTD



CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. SUGUMAR M

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on FULL STACK DEVELOPMENT organized by *Kamaraj College of Engineering & Technology, Virudhunagar* in Collaboration with *Quantanics Tech Serv Pvt Ltd, Madurai* during *12th Feb 2024* to *17th Feb 2024*.

He has completed the assessment and project work successfully.

A. Sreenivasan

CEO

SCORE: 76

QUANTANICS TECH SERV PVT LTD

CERTIFICATE OF COMPLETION

This certificate is awarded to

Ms. RAJARAJESWARI R

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by *Kamaraj College of Engineering & Technology, Virudhunagar* in Collaboration with *Quantanics Tech Serv Pvt Ltd, Madurai* during *12th Feb 2024 to 17th Feb 2024*.

She has completed the assessment and project work successfully.

A. Srinavah

CEO

SCORE: 78



QUANTANICS TECH SERV PVT LTD

CERTIFICATE OF COMPLETION

This certificate is awarded to

MS. BHARVATHI S

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by **Kamaraj College of Engineering & Technology, Virudhunagar** in Collaboration with **Quantanics Tech Serv Pvt Ltd, Madurai** during **12th Feb 2024 to 17th Feb 2024**.

She has completed the assessment and project work successfully.

A. Sreeravan

CEO

SCORE: 64

QUANTANICS TECH SERV PVT LTD



CERTIFICATE OF COMPLETION

This certificate is awarded to

Ms. HIMAGOWRI S C

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on FULL STACK DEVELOPMENT organized by Kamaraj College of Engineering & Technology, Virudhunagar in Collaboration with Quantanics Tech Serv Pvt Ltd, Madurai during 12th Feb 2024 to 17th Feb 2024.

She has completed the assessment and project work successfully.

A. Benawan

CEO

SCORE: 70

QUANTANICS TECH SERV PVT LTD



CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. SURESH KUMAR K

of **KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY** has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by **Kamaraj College of Engineering & Technology, Virudhunagar** in Collaboration with **Quantanics Tech Serv Pvt Ltd, Madurai** during **12th Feb 2024 to 17th Feb 2024**.

He has completed the assessment and project work successfully.

A. Sreerani
CEO

SCORE : 68

QUANTANICS TECH SERV PVT LTD

CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. BALAJI K

of **KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY** has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by **Kamaraj College of Engineering & Technology, Virudhunagar** in Collaboration with **Quantanics Tech Serv Pvt Ltd, Madurai** during **12th Feb 2024 to 17th Feb 2024**.

He has completed the assessment and project work successfully.

A. Erenawan
CEO

SCORE: 68

QUANTANICS TECH SERV PVT LTD



CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. SAKTHI SURYA R

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on FULL STACK DEVELOPMENT organized by Kamaraj College of Engineering & Technology, Virudhunagar in Collaboration with Quantanics Tech Serv Pvt Ltd, Madurai during 12th Feb 2024 to 17th Feb 2024.

He has completed the assessment and project work successfully.

A. Sreenivasan

CEO

SCORE: 70

QUANTANICS TECH SERV PVT LTD



CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. RAMACHANDRA BOOPATHI S

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on FULL STACK DEVELOPMENT organized by Kamaraj College of Engineering & Technology, Virudhunagar in Collaboration with Quantanics Tech Serv Pvt Ltd, Madurai during 12th Feb 2024 to 17th Feb 2024.

He has completed the assessment and project work successfully.

SCORE: 82

A. Sreenivasan

CEO

QUANTANICS TECH SERV PVT LTD



CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. ARISWARAN C

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by **Kamaraj College of Engineering & Technology, Virudhunagar** in Collaboration with **Quantanics Tech Serv Pvt Ltd, Madurai** during **12th Feb 2024 to 17th Feb 2024.**

He has completed the assessment and project work successfully.

SCORE : 80

A. Srinivasan

CEO

QUANTANICS TECH SERV PVT LTD



CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. BOSE A

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by **Kamaraj College of Engineering & Technology, Virudhunagar** in Collaboration with **Quantanics Tech Serv Pvt Ltd, Madurai** during **12th Feb 2024** to **17th Feb 2024**.

He has completed the assessment and project work successfully.

SCORE: 80

A. Sreewani

CEO

QUANTANICS TECH SERV PVT LTD



CERTIFICATE OF COMPLETION

This certificate is awarded to

Ms. KARTHIGA RANI K

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by *Kamaraj College of Engineering & Technology, Virudhunagar* in Collaboration with *Quantanics Tech Serv Pvt Ltd, Madurai* during *12th Feb 2024 to 17th Feb 2024.*

She has completed the assessment and project work successfully.

SCORE: 69

A. Sreenivasan

CEO

QUANTANICS TECH SERV PVT LTD



CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. UDHAYA SANKAR S

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by *Kamaraj College of Engineering & Technology, Virudhunagar* in Collaboration with *Quantanics Tech Serv Pvt Ltd, Madurai* during *12th Feb 2024 to 17th Feb 2024.*

He has completed the assessment and project work successfully.

SCORE: 63

A. Srinivasan

GEO



CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. BALA R

KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the days Hands-On Training on **FULL STACK DEVELOPMENT** organized by **Kamaraj College of Engineering & Technology, Virudhunagar** in Collaboration with **Quantanics Tech Serv Pvt Ltd, Madurai** during **12th Feb 2024 to 17 Feb 2024.**

He has completed the assessment and project work successfully.

A. Sreavan

CEO

CORE: 61



QUANTANICS TECH SERV PVT LTD

CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. ASHOKKUMAR M

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by *Kamaraj College of Engineering & Technology, Virudhunagar* in Collaboration with *Quantanics Tech Serv Pvt Ltd, Madurai* during *12th Feb 2024 to 17th Feb 2024*.

He has completed the assessment and project work successfully.

A. Sreenivasan

CEO

SCORE : 56

QUANTANICS TECH SERV PVT LTD



CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. VADIVEL M

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by **Kamaraj College of Engineering & Technology, Virudhunagar** in Collaboration with **Quantanics Tech Serv Pvt Ltd, Madurai** during **12th Feb 2024** to **17th Feb 2024**.

He has completed the assessment and project work successfully.

A. Srinavan

CEO

SCORE: 55



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Mr. VADIVEL M

of **KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY** has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by **Kamaraj College of Engineering & Technology, Virudhunagar** in Collaboration with **Quantanics Tech Serv Pvt Ltd, Madurai** during **12th Feb 2024 to 17th Feb 2024**.

He has completed the assessment and project work successfully.

SCORE : 55

A. Sreenivasan

CEO



QUANTANICS TECH SERV PVT LTD

CERTIFICATE OF COMPLETION

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Mr. PRAVEEN RAJ R

of **KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY** has participated and successfully completed the Six days Hands-On Training on **FULL STACK DEVELOPMENT** organized by **Kamaraj College of Engineering & Technology, Virudhunagar** in Collaboration with **Quantanics Tech Serv Pvt Ltd, Madurai** during **12th Feb 2024 to 17th Feb 2024**.

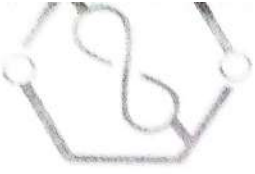
He has completed the assessment and project work successfully.

A. Sreeravan

CEO

SCORE : 70

QUANTANICS TECH SERV PVT LTD



CERTIFICATE OF COMPLETION

This certificate is awarded to

Mr. GOPINATH P

of KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY has participated and successfully completed the Six days Hands-On Training on FULL STACK DEVELOPMENT organized by Kamaraj College of Engineering & Technology, Virudhunagar in Collaboration with Quantanics Tech Serv Pvt Ltd, Madurai during 12th Feb 2024 to

17th Feb 2024.

He has completed the assessment and project work successfully.

A. Sreewah

CEO

SCORE : 61



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

Department of Electronics and Communication Engineering

Value Added Course on Full Stack Development

(12.02.2024 to 17.02.2024)

Video and Oral Feedback Link

Video Feedback

A. 30/4/24
Coordinators
ARAVIND P
AP/ECE.
STELLA MERCY M
AP/ECE

N.S - Sun
30/4/24
HoD/ECE

**Video accessing site for learnogram
A Value Added Course Project Report**

Submitted by

A.BOSE (920422106010)

C.ARISWARAN (920422106003)

S.RAMACHANDRA BOOPATHI (920422106039)

**BACHELOR OF ENGINEERING
IN
ELECTRONICS AND COMMUNICATION ENGINEERING**

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.Vellakulam - 625 701 (Near Virudhunagar)

FEBRUARY 2024

BONAFIDE CERTIFICATE

Certified that this project entitled "Video accessing site for learnogram" is the bonafide record of Value Added Course on Full Stack Development from 12.02.2024 to 17.12.2024 done by A.Bose (Reg. No. 920422106010), C.Ariswaran (Reg. No. 920422106003) & S.Ramachandra Boopathi (Reg. No. 920422106039) who carried out the work under my supervision.


SIGNATURE

Dr. R. Suresh Babu, M.E., MBA., Ph.D.,

(Head of the Department)


Professor & Head
Department of Electronics and
Communication Engineering
Kamaraj College of Engineering and
Technology, K. Vellakulam
Near Virudhunagar- 625701



SIGNATURE


Mr.P.Aravind, M.E., (Ph.D.),
Mrs.M.Stella Mercy, M.E., (Ph.D.),
(Course In-charges)

Assistant Professor
Department of Electronics and
Communication Engineering
Kamaraj College of Engineering and
Technology, K. Vellakulam
Near Virudhunagar- 625701

Submitted for the Project presentation held at Kamaraj College of Engineering & Technology, Virudhunagar - 625701 on 26.03.24.


Committee Member 1


Committee Member 2


Committee Member 3

CONTENT

| Chapter No. | Details | Page No. |
|-------------|------------------------|----------|
| 1 | ABSTRACT | 4 |
| 2 | INTRODUCTION | 5 |
| 3 | DESIGN METHODOLOGY | 6 |
| 4 | RESULTS AND DISCUSSION | 8 |
| 5 | CONCLUSION | 11 |
| | REFERENCES | 12 |
| | ANNEXURE | 13 |

CHAPTER 1

ABSTRACT

This project aims to create a web-based application that provides a user-friendly login interface and allows users to generate QR codes dynamically. The application enhances user experience by offering a simple yet secure login mechanism and enables users to generate QR codes for various purposes, such as sharing information or authenticating transactions.

The login page of the application serves as the entry point for users to access the system securely. It presents a form where users can input their credentials, such as username and password, to authenticate themselves. The login process is implemented using HTML forms and may incorporate client-side and server-side validation techniques to ensure data integrity and security.

Additionally, the application includes a feature to generate QR codes dynamically. Users can input text or data into the application, and the system generates a QR code representing the provided information. This functionality can be useful for various use cases, including sharing contact details, URLs, or authentication tokens.

By combining a user-friendly login interface with dynamic QR code generation capabilities, the application provides users with a seamless and versatile experience. It caters to the needs of individuals and organizations seeking an efficient and secure method for accessing systems and sharing information in a digital environment.

CHAPTER 2

INTRODUCTION

This is our cutting-edge platform, where automation meets innovation. We are excited to introduce a revolutionary system that combines automatic login, QR code generation, and automatic video upload functionalities, revolutionizing the way you manage and share information.

Our automatic login feature ensures seamless access to your account with just a simple scan of a QR code. Say goodbye to the hassle of manual logins and enjoy instant access to your account securely and effortlessly.

Create custom QR codes for various applications effortlessly with our QR code generation tool. Whether you're looking to enhance your marketing strategy, streamline inventory management, or improve access control, our platform provides the flexibility and customization you need.

Take your video management to the next level with our automatic video upload functionality. Record a video on your device, and our system will automatically upload it to your account, making sharing and managing videos a breeze.

Experience the power of automation and innovation with our platform. Sign up now and discover a new era of efficiency and convenience in managing your information.

CHAPTER 3

DESIGN METHODOLOGY

Login Page:

- Design a user-friendly login page with fields for username and password.
- Implement client-side validation for user input.
- Use CSS to style the login form for an attractive and intuitive interface.

QR Code Generation:

- Utilize JavaScript to generate QR codes based on user input (e.g., URL or text).
- Implement a button to trigger QR code generation.
- Integrate a QR code library, such as **qrcode.js**, for efficient generation.

Implementation Steps:

1. Design the HTML structure for the login page, QR code display area, and video upload section.
2. Style the elements using CSS to enhance the visual appeal and user experience.
3. Integrate JavaScript to add functionality for QR code generation and video upload.
4. Test the technology to ensure proper functionality and user experience.

BLOCK-DIAGRAM

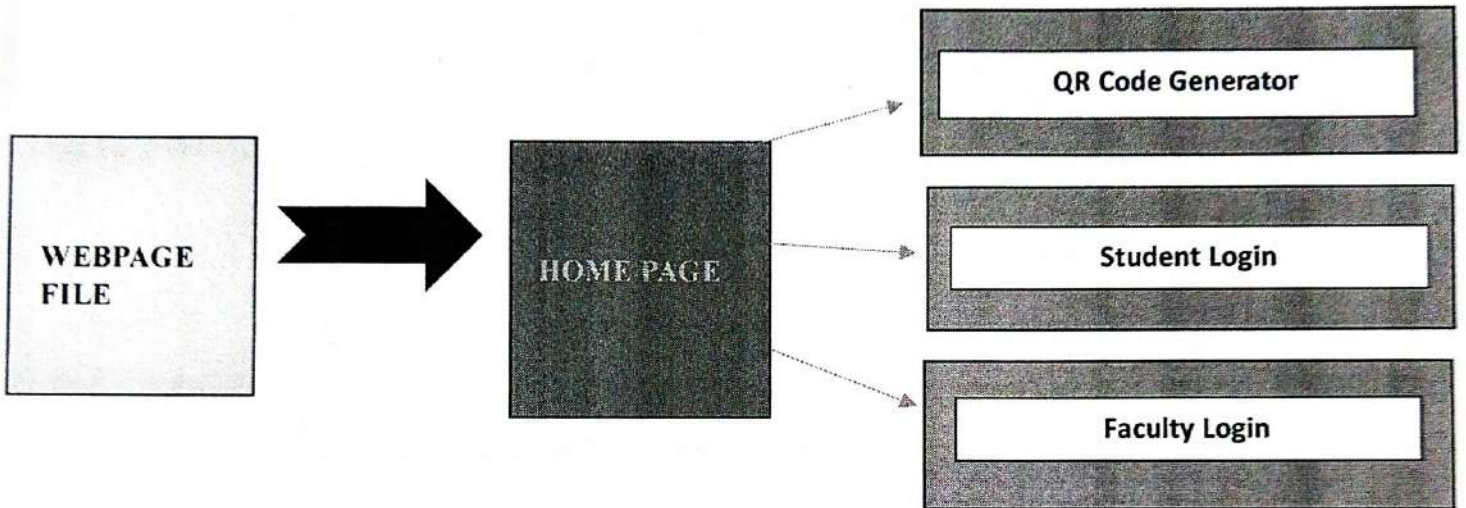


Figure 3.1 Flow Diagram.

CHAPTER 4

RESULTS AND DISCUSSION

1. Homepage:

Results: The homepage is designed using html and css for good user experience



2. QR Code Generation:

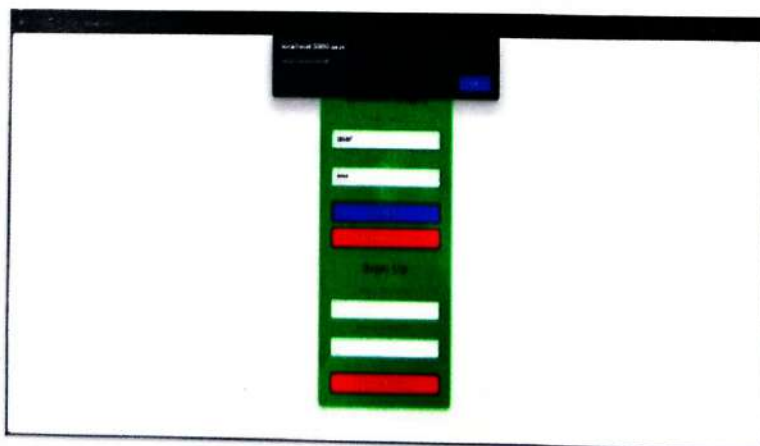
- **Results:** QR codes were generated successfully based on user input. The `qrcode.js` library was integrated to facilitate QR code generation.
- **Discussion:** The user needs to enter inputs for required "title" and "staff name" and the qrcode for given inputs is generated in the webpage automatically

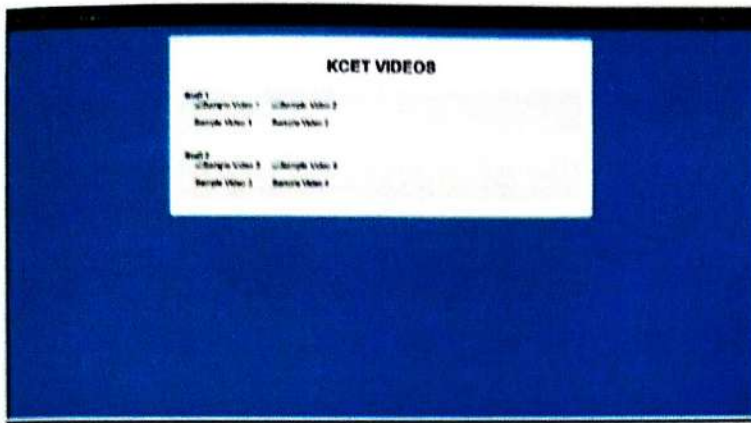
Output:



3. Student Login Page:

- **Results:** The login page was successfully implemented with fields for username and password. Client-side validation ensures that users enter the required information before submitting the form.
- **Discussion:** when the user enters their login credential it checks with the database and if the credential is correct it shows the webpage with all staff folders and all videos saved. Future enhancements could include institution's server-side validation and integration with a database for user authentication. New account can also be created and the credentials are saved to database
- **Output:**

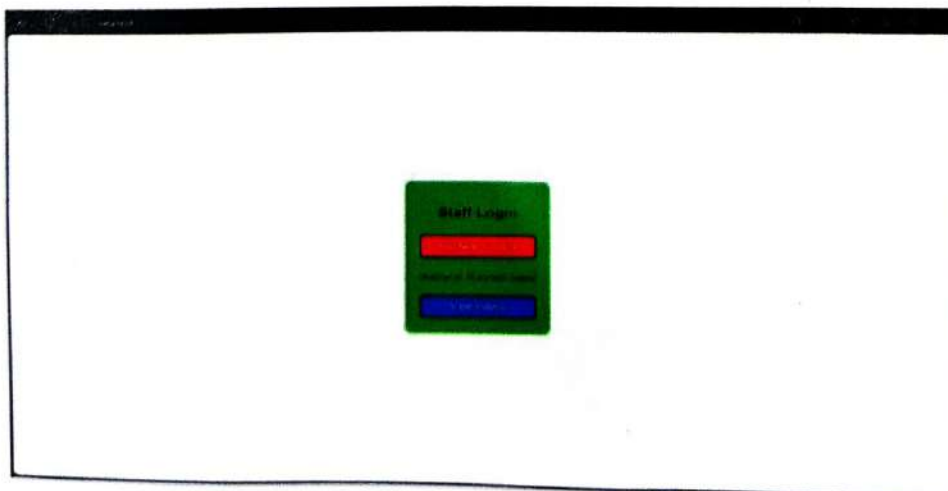




4. Staff login page:

- **Results:** The login page was successfully implemented with fields for username and password. The credentials are checked in database. New account can also be created and the credentials are saved to database
- **Discussion:** when the staff enters their login credential it checks with the database and if the credential is correct it shows the webpage with a welcome message and now the staff can view their own videos. Future enhancements could include institution's server-side validation and integration with a database for user authentication.

Output:



CHAPTER 5

CONCLUSION

In conclusion, the technology designed and implemented for the login page, QR code generation, and automatic video upload successfully achieves its objectives of providing users with a seamless and efficient experience. The login page offers a secure and user-friendly interface for accessing the system, while the QR code generation feature enhances usability for various purposes. Additionally, the automatic video upload functionality simplifies the process of uploading videos, improving efficiency for users.

Throughout the development process, HTML, CSS, and JavaScript were effectively utilized to create a cohesive and functional system. The integration of libraries such as **qrcode.js** for QR code generation and the use of APIs like **FileReader** for video upload contributed to the technology's robustness and usability.

While the technology meets its initial requirements, there are opportunities for further enhancement. Future iterations could focus on implementing user authentication, refining error handling, and optimizing the upload process for larger video files. Additionally, incorporating feedback from users and stakeholders will be essential for identifying areas of improvement and ensuring the technology continues to meet user needs.

Overall, the technology represents a significant step forward in leveraging web-based technologies for enhanced user experiences. With continued development and refinement, it has the potential to become a valuable tool for a wide range of applications, from secure access control to multimedia content manage

REFERENCES

1. <https://www.w3schools.com/>
2. <https://www.geeksforgeeks.org/>
3. <https://www.codecademy.com/>

ANNEXURE 1 (Program)

```
<!DOCTYPE html>
  <html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>Login Page</title>
    <style>
    body {
    font-family: Arial, sans-serif;
    background-color: #f0f0f0;
    margin: 0;
    padding: 0;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    }

    .container {
    background-color: #fff;
    padding: 20px;
    border-radius: 8px;
    box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);
    text-align: center;
    }
```

```
h2 {  
color: #333;  
}
```

```
label {  
display: inline-block;  
margin-bottom: 5px;  
color: #555;  
}
```

```
input[type="text"],  
input[type="password"],  
button {  
width: 100%;  
padding: 10px;  
margin: 5px 0;  
border: 1px solid #ccc;  
border-radius: 5px;  
box-sizing: border-box;  
font-size: 16px;  
}
```

```
button {  
background-color: #007bff;  
color: #fff;  
cursor: pointer;
```



```
}

button:hover {
background-color: #0056b3;
}

#signUpForm {
display: none;
}

.signUpButton {
background-color: #28a745;
}

.signUpButton:hover {
background-color: #218838;
}
</style>
</head>
<body>
<div class="container">
<h2>Login</h2>
<form id="loginForm">
<label for="username">Username:</label><br>
<input type="text" id="username" name="username" required><br>
<label for="password">Password:</label><br>
```

```

<input type="password" id="password" name="password"
required><br><br>
<button type="submit">Login</button>
</form>
<button class="signUpButton" onclick="showSignUpForm()">Add
New Account</button>

<div id="signUpForm">
<h2>Sign Up</h2>
<form id="newAccountForm">
<label for="newUsername">New Username:</label><br>
<input type="text" id="newUsername" name="newUsername"
required><br>
<label for="newPassword">New Password:</label><br>
<input type="password" id="newPassword" name="newPassword"
required><br><br>
<button class="signUpButton" type="submit">Create
Account</button>
</form>
</div>
</div>

<script>
// Function to show sign up form
function showSignUpForm() {
document.getElementById('signUpForm').style.display = 'block';
}

```

```

// Function to save new account to localStorage
function saveNewAccount(username, password) {
const accounts = JSON.parse(localStorage.getItem('accounts')) || [];
accounts.push({ username, password });
localStorage.setItem('accounts', JSON.stringify(accounts));
}

```

```

// Function to handle new account creation
document.getElementById('newAccountForm').addEventListener('submit', function(event) {
event.preventDefault();

const newUsername =
document.getElementById('newUsername').value;

const newPassword =
document.getElementById('newPassword').value;
saveNewAccount(newUsername, newPassword);
alert('Account created successfully!');
document.getElementById('newAccountForm').reset();
});

```

```

// Function to handle login
document.getElementById('loginForm').addEventListener('submit',
function(event) {
event.preventDefault();

const username = document.getElementById('username').value;
const password = document.getElementById('password').value;
const accounts = JSON.parse(localStorage.getItem('accounts')) || [];

```