



# Indra Ganesan

## COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai  
Accredited by NAAC with 'B+' Grade, 2(F) & 12B Status Institution by UGC

IG Valley, Madurai Main Road, Manikandam, Tiruchirappalli - 620012

# NAAC DOCUMENTS

## QUALITY INDICATOR FRAME WORK

### CRITERION – 2

## TEACHING-LEARNING AND EVALUATION

SUBMITTED BY

# IQAC

INTERNAL QUALITY ASSURANCE CELL

## INDRA GANESAN COLLEGE OF ENGINEERING





|                  |                                       |            |
|------------------|---------------------------------------|------------|
| <b>Criteria2</b> | <b>Teaching-LearningandEvaluation</b> | <b>350</b> |
|------------------|---------------------------------------|------------|

### **KeyIndicator-2.3.Teaching-LearningProcess(40)**

**2019-2020**

## **PARTICIPATIVE LEARNING**

**COMPUTER SCIENCE ENGINEERING and ME(CSE)**

| <b>Activity</b>                | <b>Number of Students Attended</b> | <b>Page No.</b> |
|--------------------------------|------------------------------------|-----------------|
| <b>Value Added Course(VAC)</b> | <b>198</b>                         | <b>3</b>        |
| <b>TOTAL STUDENTS ATTENDED</b> | <b>198</b>                         | <b>-</b>        |



**Criteria2**

**Teaching-Learning and Evaluation**

**350**

**KeyIndicator-2.3.Teaching-Learning Process(40)**

**2019-2020**

**COMPUTER SCIENCE ENGINEERING and ME (CSE)**

**PARTICIPATIVE LEARNING**

**VALUE ADDED**

**COURSE**



# Indra Ganesan

COLLEGE OF ENGINEERING  
Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli- 620 012  
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## Department of Computer Science & Engineering

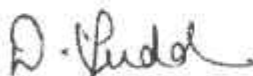
Academic Year 2019-2020 – Odd Semester

13.12.2019

### DEPARTMENT CIRCULAR

Department of Computer Science and Engineering and IQAC of IGCE in association with JD Software Pvt Ltd is going to organize Value Added Course for II, III, IV and II M.E (CSE) on “PHP” from 16.12.2019 to 20.12.2019. Certificates will be issued to the eligible participants at the end of the Course. This training is to be provided in our campus.

|                        |                                                                                                                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resource Person Detail | <ol style="list-style-type: none"><li>1. <b>Mr.C.ArunBalaji</b><br/>Project Manager<br/>JD Software Pvt Ltd<br/>Vandalur- 600048</li><li>2. <b>R.Sathish Kumar</b><br/>JD Software Pvt Ltd<br/>Vandalur- 600048</li></ol> |
| Venue                  | SD LAB II FLOOR<br>NETWORKS LAB II FLOOR                                                                                                                                                                                  |

  
HOD/CSE

Cc:

- Principal Table
- IQAC Co-Ordinator
- Class In charges – II,III,IV and PG II Year
- II,III,IV and PG II Year CSE Students
- Office File
- NoticeBoard

  
PRINCIPAL

Dr. G. Balakrishnan, M.E., Ph.D.,  
Principal  
Indra Ganesan College of Engineering  
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# Indra Ganesan

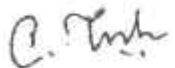
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## Value Added Course on

"PHP"

## SYLLABUS

| S.NO                        | TOPIC COVERED                         | DURATION<br>(in hours) | DATE       |
|-----------------------------|---------------------------------------|------------------------|------------|
| 1                           | Introduction to PHP                   | 3                      | 16.12.2019 |
| 2                           | PHP Language Basics                   | 3                      | 16.12.2019 |
| 3                           | Loops in PHP                          | 3                      | 17.12.2019 |
| 4                           | Connecting to a Database              | 3                      | 17.12.2019 |
| 5                           | PHP Form Handling                     | 3                      | 18.12.2019 |
| 6                           | Upload Script Example                 | 3                      | 18.12.2019 |
| 7                           | PHP upload script                     | 3                      | 19.12.2019 |
| 8                           | PHP configuration and Troubleshooting | 3                      | 19.12.2019 |
| 9                           | Front end Integration                 | 3                      | 20.12.2019 |
| 10                          | Arrays and Strings                    | 3                      | 20.12.2019 |
| 11                          | Exam                                  | 1                      | 20.12.2019 |
| Total Hours(Excluding Exam) |                                       | 30                     |            |

  
VAC Coordinator

  
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HOD/CSE



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## Value Added Course

### STUDENTS PARTICIPATION LIST

“PHP”

| S.No. | Reg.No       | Student's Name      | Year/ Branch |
|-------|--------------|---------------------|--------------|
| 1     | 811218104001 | AISHWARYA M         | II CSE       |
| 2     | 811218104002 | AJITH KUMAR R       | II CSE       |
| 3     | 811218104003 | ARAVINDH SAMY P     | II CSE       |
| 4     | 811218104004 | ARJUN V             | II CSE       |
| 5     | 811218104005 | DHARSHINI A         | II CSE       |
| 6     | 811218104006 | DINESH KUMAR K      | II CSE       |
| 7     | 811218104007 | GOWTHAM K           | II CSE       |
| 8     | 811218104008 | HARIHARAN N         | II CSE       |
| 9     | 811218104009 | HEMA LATHA B        | II CSE       |
| 10    | 811218104010 | JEGATHISWARI D      | II CSE       |
| 11    | 811218104011 | JOSHI DAYANA K      | II CSE       |
| 12    | 811218104012 | KANAGARAJ K S       | II CSE       |
| 13    | 811218104013 | KIRUTHIGA V         | II CSE       |
| 14    | 811218104014 | MADHAVAN S          | II CSE       |
| 15    | 811218104015 | MAHENDRAN S         | II CSE       |
| 16    | 811218104017 | MUTHAIYA P          | II CSE       |
| 17    | 811218104018 | NEETHIMOZHI A       | II CSE       |
| 18    | 811218104019 | NIITHYA P           | II CSE       |
| 19    | 811218104020 | NIVEDHA S           | II CSE       |
| 20    | 811218104021 | PRIYANGA G          | II CSE       |
| 21    | 811218104022 | RAMYA R             | II CSE       |
| 22    | 811218104023 | SHARVESH CHARAN.S.A | II CSE       |
| 23    | 811218104024 | SATHASIVAM P        | II CSE       |
| 24    | 811218104026 | SHALINI P           | II CSE       |
| 25    | 811218104027 | SHANMUGANATHAN P    | II CSE       |
| 26    | 811218104028 | SHEELA S            | II CSE       |
| 27    | 811218104029 | SUDHAKARAN C        | II CSE       |
| 28    | 811218104030 | SUGASINI.G          | II CSE       |
| 29    | 811218104031 | VAISHNAVI G         | II CSE       |
| 30    | 811218104032 | VIGNA SRI S         | II CSE       |
| 31    | 811218104033 | VIJAYA DHARANI K    | II CSE       |
| 32    | 811218104034 | VINOTHINI S         | II CSE       |
| 33    | 811218104501 | SIVASANGARI C       | II CSE       |
| 34    | 811217104001 | AARTHI J            | III/CSE      |

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| S.No. | Reg.No       | Student's Name      | Year/ Branch |
|-------|--------------|---------------------|--------------|
| 35    | 811217104002 | DEEPIKA N           | III/CSE      |
| 36    | 811217104003 | DHANALAKSHMI R      | III/CSE      |
| 37    | 811217104004 | GOATHAR FATHIMA S   | III/CSE      |
| 38    | 811217104005 | GOWTHAM RAAJ K      | III/CSE      |
| 39    | 811217104007 | JAYA PRATHA A       | III/CSE      |
| 40    | 811217104008 | JICKSON S           | III/CSE      |
| 41    | 811217104009 | KAMATCHI V          | III/CSE      |
| 42    | 811217104010 | KOKILA V            | III/CSE      |
| 43    | 811217104011 | LAKSHMI PRIYA M     | III/CSE      |
| 44    | 811217104012 | NAVEEN R            | III/CSE      |
| 45    | 811217104013 | PANNEER SELVAM R    | III/CSE      |
| 46    | 811217104014 | PRINCY DEEPA X      | III/CSE      |
| 47    | 811217104015 | RAGHUL L            | III/CSE      |
| 48    | 811217104016 | SALMA BANU M        | III/CSE      |
| 50    | 811217104017 | SEEBIKA M           | III/CSE      |
| 51    | 811217104019 | SIVASANKARI S       | III/CSE      |
| 52    | 811217104020 | SWATHI M            | III/CSE      |
| 53    | 811217104022 | VASUKI M            | III/CSE      |
| 54    | 811217104023 | YOKESH KANNAN P H   | III/CSE      |
| 55    | 811216104002 | ANJALADEVI J        | IV/CSE       |
| 56    | 811216104003 | APARNA S            | IV/CSE       |
| 57    | 811216104004 | ARCHANA T           | IV/CSE       |
| 58    | 811216104005 | BAKKIYA V           | IV/CSE       |
| 59    | 811216104007 | BANUMATHI D         | IV/CSE       |
| 60    | 811216104008 | DHANUSH S           | IV/CSE       |
| 61    | 811216104009 | DHIVYA B            | IV/CSE       |
| 62    | 811216104010 | DIVYA R             | IV/CSE       |
| 63    | 811216104011 | GANESHKUMAR A       | IV/CSE       |
| 64    | 811216104012 | GOBALA KRISHNAN R   | IV/CSE       |
| 65    | 811216104013 | GUNASEKAR P         | IV/CSE       |
| 66    | 811216104014 | JOTHIKA R           | IV/CSE       |
| 67    | 811216104015 | KARTHIKEYAN J       | IV/CSE       |
| 68    | 811216104016 | KEERTHANA K         | IV/CSE       |
| 69    | 811216104017 | KEERTHANA P(490725) | IV/CSE       |
| 70    | 811216104018 | KIRUBAKARAN M       | IV/CSE       |
| 71    | 811216104019 | KIRUTHIKA R         | IV/CSE       |
| 72    | 811216104020 | MEENAKSHI S         | IV/CSE       |
| 73    | 811216104021 | NAVEEN K            | IV/CSE       |
| 74    | 811216104022 | NAVEENKUMAR S       | IV/CSE       |

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| S.No. | Reg.No       | Student's Name      | Year/ Branch |
|-------|--------------|---------------------|--------------|
| 75    | 811216104023 | NEROSON KIOSUS N    | IV/CSE       |
| 76    | 811216104024 | PAVITHRA G          | IV/CSE       |
| 77    | 811216104026 | PAVITHRA R          | IV/CSE       |
| 78    | 811216104027 | PRABAHAR R          | IV/CSE       |
| 79    | 811216104028 | RACIKA R            | IV/CSE       |
| 80    | 811216104029 | RAHUL S             | IV/CSE       |
| 81    | 811216104030 | REVATHI N           | IV/CSE       |
| 82    | 811216104031 | SARANYA A           | IV/CSE       |
| 83    | 811216104032 | SARANYA M           | IV/CSE       |
| 84    | 811216104033 | SARAVANAN M         | IV/CSE       |
| 85    | 811216104034 | SHARUN PRABU A      | IV/CSE       |
| 86    | 811216104035 | SOUNDHARYA J        | IV/CSE       |
| 87    | 811216104036 | TAMILSELVAM M       | IV/CSE       |
| 88    | 811216104038 | THARIK A            | IV/CSE       |
| 89    | 811216104039 | VARSHA S            | IV/CSE       |
| 90    | 811216104040 | VIGNESHWARACHARI S  | IV/CSE       |
| 91    | 811216104041 | VIJAYALAKSHMI M     | IV/CSE       |
| 92    | 811216104042 | VIJAYALAKSHMI P     | IV/CSE       |
| 93    | 811216104043 | VINITHA M           | IV/CSE       |
| 94    | 811216104044 | VINITHA DEVI P      | IV/CSE       |
| 95    | 811216104045 | YOGESHWARAN S       | IV/CSE       |
| 96    | 811216104046 | YUVASRI T           | IV/CSE       |
| 97    | 811218405001 | ASWINI M            | II/ME(CSE)   |
| 98    | 811218405002 | GWENDOLYN ROSETTA G | II/ME(CSE)   |
| 99    | 811218405004 | NIRMALA N           | II/ME(CSE)   |

*C. T. V.*

VAC Coordinator

*D. P. D.*  
HOD/CSE

*(Signature)*  
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## STUDENTS PARTICIPATION LIST

### VALUE ADDED COURSE

#### "PHP"

| S.NO | REG NO       | STUDENTS NAME   | YEAR/<br>BRANCH | 19.12.2019 |    | 20.12.2019 |    | 21.12.2019 |    | 22.12.2019 |    | 23.12.2019 |    | NO OF<br>SESSIONS<br>ATTENDED | SIGN<br>OF THE<br>STUDENT |
|------|--------------|-----------------|-----------------|------------|----|------------|----|------------|----|------------|----|------------|----|-------------------------------|---------------------------|
|      |              |                 |                 | FN         | AN | FN         | AN | FN         | AN | FN         | AN | FN         | AN |                               |                           |
| 1    | 811218104001 | AISHWARYA M     | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 2    | 811218104002 | AJITH KUMAR R   | II CSE          | /          | /  | A          | A  | /          | /  | /          | /  | /          | /  | 08                            |                           |
| 3    | 811218104003 | ARAVINDH SAMY P | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 4    | 811218104004 | ARJUN V         | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 5    | 811218104005 | DHARSHINI A     | II CSE          | /          | /  | /          | /  | A          | A  | /          | /  | /          | /  | 08                            |                           |
| 6    | 811218104006 | DINESH KUMAR K  | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 7    | 811218104007 | GOWTHAM K       | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 8    | 811218104008 | HARIHARAN N     | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 9    | 811218104009 | HEMA LATHA B    | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 10   | 811218104010 | JEGATHISWARI D  | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 11   | 811218104011 | JOSHI DAYANA K  | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |



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|------|--------------|---------------------|-----------------|------------|----|------------|----|------------|----|------------|----|------------|----|-------------------------------|---------------------------|
|      |              |                     |                 | FN         | AN | FN         | AN | FN         | AN | FN         | AN | FN         | AN |                               |                           |
| 12   | 811218104012 | KANAGARAJ K S       | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Kanagaraj                 |
| 13   | 811218104013 | KIRUTHIGA V         | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Kiruthiga                 |
| 14   | 811218104014 | MADHAVAN S          | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Madhavan S                |
| 15   | 811218104015 | MAHENDRAN S         | II CSE          | A          | A  | /          | /  | /          | /  | /          | /  | /          | /  | 08                            | Mahe                      |
| 16   | 811218104017 | MUTHAIYA P          | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Muthaiya                  |
| 17   | 811218104018 | NEETHIMOZHI A       | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Neethimozhi               |
| 18   | 811218104019 | NITHYA P            | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Nithya P                  |
| 19   | 811218104020 | NIVEDHA S           | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Nivedha S                 |
| 20   | 811218104021 | PRIYANGA G          | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Priyanga G                |
| 21   | 811218104022 | RAMYA R             | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Ramya R                   |
| 22   | 811218104023 | SHARVESH CHARAN.S.A | II CSE          | /          | /  | A          | A  | /          | /  | /          | /  | /          | /  | 08                            | Sharvesh                  |
| 23   | 811218104024 | SATHASIVAM P        | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Sathasivam                |
| 24   | 811218104026 | SHALINI P           | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Shalini P                 |
| 25   | 811218104027 | SHANMUGANATHAN P    | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Shanmuganathan P          |



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|------|--------------|-------------------|-----------------|------------|----|------------|----|------------|----|------------|----|------------|----|-------------------------------|---------------------------|
|      |              |                   |                 | FN         | AN | FN         | AN | FN         | AN | FN         | AN | FN         | AN |                               |                           |
| 26   | 811218104028 | SHEELA S          | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  |                               |                           |
| 27   | 811218104029 | SUDHAKARAN C      | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Shudhan                   |
| 28   | 811218104030 | SUGASINLG         | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Sugas                     |
| 29   | 811218104031 | VAISHNAVI G       | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Sugan                     |
| 30   | 811218104032 | VIGNA SRI S       | II CSE          | /          | /  | A          | A  | /          | /  | /          | /  | /          | /  | 08                            | Vigna                     |
| 31   | 811218104033 | VIJAYA DHARANI K  | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Vijaya                    |
| 32   | 811218104034 | VINOTHINI S       | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Vinothini                 |
| 33   | 811218104501 | SIVASANGARI C     | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Sivasangari               |
| 34   | 811217104001 | AARTHI J          | III/CSE         | A          | A  | /          | /  | /          | /  | /          | /  | /          | /  | 08                            | Aarthi                    |
| 35   | 811217104002 | DEEPIKA N         | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Deepika                   |
| 36   | 811217104003 | DHANALAKSHMI R    | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Dhanalakshmi              |
| 37   | 811217104004 | GOWTHAR FATHIMA S | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Gowthar                   |
| 38   | 811217104005 | GOWTHAM RAAJ K    | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Gowtham                   |
| 39   | 811217104007 | JAYA PRATHA A     | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Jaya Pratha               |



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Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Dr. G. Balakrishnan, M.E., Ph.D.  
Principal  
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Manikandam, Trichy-620 012.

| S.NO | REG NO       | STUDENTS NAME     | YEAR/<br>BRANCH | 19.12.2019 |    | 20.12.2019 |    | 21.12.2019 |    | 22.12.2019 |    | 23.12.2019 |    | NO OF<br>SESSIO<br>NS<br>ATTEN<br>DED | SIGN<br>OF THE<br>STUDE<br>NT |
|------|--------------|-------------------|-----------------|------------|----|------------|----|------------|----|------------|----|------------|----|---------------------------------------|-------------------------------|
|      |              |                   |                 | FN         | AN | FN         | AN | FN         | FN | AN         | AN | FN         | AN |                                       |                               |
| 55   | *11216104002 | ANJALADEVI J      | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  |                                       |                               |
| 56   | *11216104003 | APARNA S          | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    | Anjaladevi                    |
| 57   | *11216104004 | ARCHANA T         | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    | Aparna                        |
| 58   | *11216104005 | BAKKIYA V         | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    | Bakkiya                       |
| 59   | *11216104007 | BANUMATHI D       | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    | Banumathi                     |
| 60   | *11216104008 | DHANUSH S         | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    | Dhanush                       |
| 61   | *11216104009 | DHIVYA B          | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    | Dhivya                        |
| 62   | *11216104010 | DIVYA R           | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    | Divya                         |
| 63   | *11216104011 | GANESHKUMAR A     | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 08                                    | Ganesh                        |
| 64   | *11216104012 | GOBALA KRISHNAN R | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    | Gobalakrishnan                |
| 65   | *11216104013 | GUNASEKAR P       | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    | Gunasekar                     |
| 66   | *11216104014 | LOTHIKA R         | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    | Lothika                       |
| 67   | *11216104015 | KARTHIKEYAN J     | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    | Karthikeyan                   |



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| S.NO | REG NO       | STUDENTS NAME      | YEAR<br>BRANCH | 19.12.2019 |    | 20.12.2019 |    | 21.12.2019 |    | 22.12.2019 |    | 23.12.2019 |    | NO OF<br>SESSIONS<br>ATTENDED | SIGN<br>OF THE<br>STUDENT |
|------|--------------|--------------------|----------------|------------|----|------------|----|------------|----|------------|----|------------|----|-------------------------------|---------------------------|
|      |              |                    |                | FN         | AN | FN         | AN | FN         | FN | AN         | AN | FN         | AN |                               |                           |
| 82   | 811216104031 | SARANYA A          | IV/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Saranya A                 |
| 83   | 811216104032 | SARANYA M          | IV/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Saranya M                 |
| 84   | 811216104033 | SARAVANAN M        | IV/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Saravanan M               |
| 85   | 811216104034 | SHARUN PRABU A     | IV/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Sharun Prabhu A           |
| 86   | 811216104035 | SOUNDHARYA J       | IV/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Soundharya J              |
| 87   | 811216104036 | JAMILSELVAM M      | IV/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Jamilselvam M             |
| 88   | 811216104038 | JHARIK A           | IV/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Jharika A                 |
| 89   | 811216104039 | VARSHA S           | IV/CSE         | A          | A  | /          | /  | /          | /  | /          | /  | /          | /  | 08                            | Varsha S                  |
| 90   | 811216104040 | VIGNESHWARACHARI S | IV/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Vigneshwarachari S        |
| 91   | 811216104041 | VIJAYALAKSHMI M    | IV/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Vijayalakshmi M           |
| 92   | 811216104042 | VIJAYALAKSHMI P    | IV/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Vijayalakshmi P           |
| 93   | 811216104043 | VINITHA M          | IV/CSE         | /          | /  | A          | A  | /          | /  | /          | /  | /          | /  | 08                            | Vinitha M                 |
| 94   | 811216104044 | VINITHA DEVI P     | IV/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Vinitha Devi P            |
| 95   | 811216104045 | VOGESHWARAN S      | IV/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Vogeshwaran S             |



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|------|--------------|---------------------|-----------------|------------|----|------------|----|------------|----|------------|----|------------|----|-------------------------------|---------------------------|
|      |              |                     |                 | FN         | AN | FN         | AN | FN         | AN | FN         | AN | FN         | AN |                               |                           |
| 96   | 811216104046 | YU VASRI T          | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Y. Vasri T                |
| 97   | 811218405001 | ASWINI M            | II/ME           | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Aswini M                  |
| 98   | 811218405002 | GWENDOLYN ROSETTA G | II/ME           | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Gwendolyn Rosetta G       |
| 99   | 811218405004 | NIRMALA N           | II/ME           | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | Nirmala N                 |

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VAC Coordinator

HoD/CSE



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Name of the Student: Nithya . P

Year/Sem: II / III

AU Register Number: 811218104019

## Value Added Course on "PHP"

### MCQ QUESTIONS (25X1 = 100 Marks)

84

1. PHP is an acronym for \_\_\_\_.  
a) Prefix Hypertext Preprocessor  
b) Prototype Hypertext Preprocessor  
c) Hypertext Preprocessor  
d) PHP: Hypertext Preprocessor
2. Which is/are statement(s) true about PHP?  
a) It is an open-source scripting language  
b) PHP scripts execute on the server  
c) It is used for developing dynamic & interactive websites  
d) All of the above
3. What is the extension of a PHP file?  
a) php  
b) bph  
c) cphpfile  
d) All of the above
4. Who developed PHP?  
a) Guido van Rossum  
b) Rasmus Lerdorf  
c) Jesse James Garrett  
d) Douglas Crockford
5. In which year PHP was developed?  
a) 1993  
b) 1994  
c) 1995  
d) 1996
6. A PHP script starts with \_\_\_\_ and ends with \_\_\_\_.  
a) <?php and ?>  
b) <php> and </php>  
c) <?php and /?php>  
d) </php and />

  
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7. PHP keywords are case-sensitive?  
a) Yes  
b) No
8. Single line comments can be placed in PHP script by using which symbol?  
a) //  
b) #  
c) \$  
d) Both A. and B.
9. Multi-line comments can be written within the \_\_\_\_\_.  
a) // and //  
b) ## and ##  
c) /\* and \*/  
d) /// and ///
10. PHP statements end with a \_\_\_\_\_.  
a) semicolon (;)  
b) colon (:)  
c) dot (.)  
d) comma (,)
11. Which sign is used to declare variables in PHP?  
a) @  
b) &  
c) \$  
d)
12. Which is not a valid variable name in PHP?  
a) Age  
b) \_age  
c) PersonAge  
d) 1age
13. Are variable names case-sensitive?  
a) Yes  
b) No
14. Which statement is commonly used for PHP output?  
a) write  
b) php.write  
c) log  
d) echo

  
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15. How many variable scopes are there in PHP?

- a) 1
- b) 2
- ☒ c) 3
- d) 4

16. Which is not a valid variable scope in PHP?

- a) local
- b) global
- c) static
- ☒ d) external

17. A variable declared outside a function has a \_\_\_\_.

- a) local scope
- ☒ b) global scope

18. What will be the output of the following PHP code?

```
<?php
$x = 5;
function myFunction()
{
    echo "Result $x";
}
myFunction();
?>
```

- a) Result \$x
- b) Result 5
- ☒ c) Result
- d) None of the above

19. What will be the output of the following PHP code?

```
<?php
function myFunction()
{
    $x = 5;
    echo "Result1: $x , ";
}
myFunction();
echo "Result2: $x";
?>
```

- a) Result1: 5 , Result2:
- ☒ b) Result1: 5 , Result2: 0
- c) Result1: 5 , Result2: 5
- d) None of the above

  
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20. Which PHP keyword is used to access a global variable inside the function?

- a) ~~php\_global~~
- b) ~~global~~
- c) ~~global\_variable~~
- d) ~~globalscope~~

21. There are two variables a, b which declared in global scope, which is the correct PHP statement to access them within a function?

- a) ~~global \$a, \$b;~~
- b) ~~global \$a \$b;~~
- c) ~~global (\$a, \$b);~~
- d) ~~php\_global \$a, \$b;~~

22. What is the name of an array that stores all global variables in PHP?

- a) ~~\$GLOBAL[]~~
- b) ~~\$global[]~~
- c) ~~\$GLOBALS[]~~
- d) ~~\$PHP\_GLOBALS[]~~

23. In the syntax of \$GLOBALS[index], what does "index" hold?

- a) ~~Index (starting from 0) of the variable~~
- b) ~~Index (starting from 1) of the variable~~
- c) ~~Name of the variable~~
- d) ~~Line number of the variable where the variable was declared~~

24. What will be the output of the following PHP code?

```
<?php
function Increment(){
    static $num = 0;
    echo "$num";
    $num++;
}
Increment();
Increment();
Increment();
?>
```

- a) 000
- b) 111
- c) 011
- d) ~~012~~

25. What is the correct syntax of echo statement in PHP?

- a) ~~echo~~
- b) ~~echo()~~
- c) ~~echo = ()~~
- d) ~~Both A. and B.~~

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Name of the Student: JACKSON . S

Year/Sem: III / V

AU Register Number: 811217104007

Value Added Course on "PHP"

80

## MCQ QUESTIONS (25X1 = 100 Marks)

1. ☒ PHP is an acronym for \_\_\_\_.
  - a) Prefix Hypertext Preprocessor
  - b) Prototype Hypertext Preprocessor
  - c) Hypertext Preprocessor
  - d) ☒ PHP: Hypertext Preprocessor
2. ☒ Which is/are statement(s) true about PHP?
  - a) ☒ It is an open-source scripting language
  - b) ☒ PHP scripts execute on the server
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  - d) ☒ All of the above
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  - a) ☒ php
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  - d) ☒ All of the above
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  - b) ☒ Rasmus Lerdorf
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  - a) ☒ 1993
  - b) ☒ 1994
  - c) ☒ 1995
  - d) ☒ 1996
6. ☒ A PHP script starts with \_\_\_\_ and ends with \_\_\_\_.
  - a) ☒ <?php and ?>
  - b) ☒ <php> and </php>
  - c) ☒ <?php and /?php>
  - d) ☒ </php and />

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7. PHP keywords are case-sensitive?  
a) Yes  
b) No
8. Single line comments can be placed in PHP script by using which symbol?  
a) //  
b) #  
c) \$  
d) Both A. and B.
9. Multi-line comments can be written within the \_\_\_\_\_.  
a) // and //  
b) ## and ##  
c) /\* and \*/  
d) /// and ///
10. PHP statements end with a \_\_\_\_\_.  
a) semicolon (;)  
b) colon (:)  
c) dot (.)  
d) comma (,)
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a) @  
b) &  
c) \$  
d) \_
12. Which is not a valid variable name in PHP?  
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a) write  
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c) log  
d) echo

  
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- a) 1
- b) 2
- ☒ c) 3
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- ☒ d) external

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- ☒ b) global scope

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```
<?php
$x = 5;
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{
    echo "Result $x";
}
myFunction();
```

- a) Result \$x
- b) Result 5
- ☒ c) Result
- d) None of the above

19. What will be the output of the following PHP code?

```
<?php
function myFunction()
{
    $x = 5;
    echo "Result1: $x , ";
}
myFunction();
echo "Result2: $x";
```

- ☒ a) Result1: 5 , Result2:
- b) Result1: 5 , Result2: 0
- c) Result1: 5 , Result2: 5
- d) None of the above

  
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20. Which PHP keyword is used to access a global variable inside the function?

- a) `php_global`
- ☒ b) `global`
- c) `global_variable`
- d) `globalscope`

21. There are two variables a, b which declared in global scope, which is the correct PHP statement to access them within a function?

- a) `global $a, $b;`
- ☒ b) `global $a $b;`
- c) `global ($a, $b);`
- d) `php_global $a, $b;`

22. What is the name of an array that stores all global variables in PHP?

- a) `$GLOBAL[]`
- b) `$global[]`
- ☒ c) `$GLOBALS[]`
- d) `$PHP_GLOBALS[]`

23. In the syntax of `$GLOBALS[index]`, what does "index" hold?

- a) Index (starting from 0) of the variable
- b) Index (starting from 1) of the variable
- ☒ c) Name of the variable
- d) Line number of the variable where the variable was declared

24. What will be the output of the following PHP code?

```
<?php
function Increment(){
    static $num = 0;
    echo "$num";
    $num++;
}
Increment();
Increment();
Increment();
?>
```

- a) 000
- b) 111
- c) 011
- ☒ d) 012

25. What is the correct syntax of echo statement in PHP?

- a) `echo`
- b) `echo()`
- c) `echo = ()`
- ☒ d) Both A. and B.

  
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## Value Added Course

PHP

### ANSWER KEY

|   |   |    |   |    |   |    |   |    |   |
|---|---|----|---|----|---|----|---|----|---|
| 1 | D | 6  | B | 11 | C | 16 | D | 21 | A |
| 2 | D | 7  | B | 12 | D | 17 | B | 22 | C |
| 3 | A | 8  | D | 13 | A | 18 | C | 23 | C |
| 4 | B | 9  | C | 14 | D | 19 | A | 24 | D |
| 5 | B | 10 | A | 15 | C | 20 | B | 25 | D |

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VAC Coordinator



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Department of Computer Science and Engineering

Academic Year 2019-2020 – Odd Semester

VALUE ADDED COURSE ASSESSMENT SHEET

“PHP”

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| S.No. | Reg.No       | Student's Name  | Year/<br>Branch | Attendance Details     |                                | VAC-MCQ TEST                |                         | OVERALL<br>MARK(100)<br>(50% of A +<br>50% of B) |
|-------|--------------|-----------------|-----------------|------------------------|--------------------------------|-----------------------------|-------------------------|--------------------------------------------------|
|       |              |                 |                 | No. of Hrs<br>Attended | Attendance<br>Mark(100)<br>(A) | No of<br>Correct<br>Answers | MCQ<br>Mark(100)<br>(B) |                                                  |
| 1     | 811218104001 | AISHWARYA M     | II CSE          | 30                     | 100                            | 20                          | 80                      | 90                                               |
| 2     | 811218104002 | AJITH KUMAR R   | II CSE          | 29                     | 83                             | 15                          | 60                      | 72                                               |
| 3     | 811218104003 | ARAVINDH SAMY P | II CSE          | 30                     | 100                            | 19                          | 76                      | 88                                               |
| 4     | 811218104004 | ARJUN V         | II CSE          | 30                     | 100                            | 22                          | 88                      | 94                                               |
| 5     | 811218104005 | DHARSHINI A     | II CSE          | 28                     | 92                             | 18                          | 72                      | 82                                               |
| 6     | 811218104006 | DINESH KUMAR K  | II CSE          | 28                     | 92                             | 17                          | 68                      | 80                                               |
| 7     | 811218104007 | GOWTHAM K       | II CSE          | 30                     | 100                            | 18                          | 72                      | 86                                               |
| 8     | 811218104008 | HARIHARAN N     | II CSE          | 30                     | 83                             | 17                          | 68                      | 76                                               |
| 9     | 811218104009 | HEMA LATHA B    | II CSE          | 30                     | 92                             | 16                          | 64                      | 78                                               |



# Indra Ganesan

COLLEGE OF ENGINEERING  
Madurai Main Road (NH-45B), Manikandam, Trichy-12.  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Dr. G. Balakrishnan, M.E., Ph.D.  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012

| S.No. | Reg.No       | Student's Name      | Year/<br>Branch | Attendance Details     |                                | VAC-MCQ TEST                |                         | OVERALL<br>MARK(100)<br>(50% of A +<br>50% of B) |
|-------|--------------|---------------------|-----------------|------------------------|--------------------------------|-----------------------------|-------------------------|--------------------------------------------------|
|       |              |                     |                 | No. of Hrs<br>Attended | Attendance<br>Mark(100)<br>(A) | No of<br>Correct<br>Answers | MCQ<br>Mark(100)<br>(B) |                                                  |
| 10    | 811218104010 | JEGATHISWARI D      | II CSE          | 27                     | 92                             | 16                          | 64                      | 78                                               |
| 11    | 811218104011 | JOSHI DAYANA K      | II CSE          | 27                     | 100                            | 20                          | 80                      | 90                                               |
| 12    | 811218104012 | KANAGARAJ K S       | II CSE          | 27                     | 92                             | 20                          | 80                      | 86                                               |
| 13    | 811218104013 | KIRUTHIGA V         | II CSE          | 30                     | 100                            | 22                          | 88                      | 94                                               |
| 14    | 811218104014 | MADHAVAN S          | II CSE          | 30                     | 92                             | 17                          | 68                      | 80                                               |
| 15    | 811218104015 | MAHENDRAN S         | II CSE          | 30                     | 92                             | 19                          | 76                      | 84                                               |
| 16    | 811218104017 | MUTHAIYA P          | II CSE          | 30                     | 92                             | 19                          | 76                      | 84                                               |
| 17    | 811218104018 | NEETHIMOZHIL A      | II CSE          | 28                     | 100                            | 20                          | 80                      | 90                                               |
| 18    | 811218104019 | NITHYA P            | II CSE          | 30                     | 83                             | 16                          | 64                      | 74                                               |
| 19    | 811218104020 | NIVEDHA S           | II CSE          | 30                     | 83                             | 16                          | 64                      | 74                                               |
| 20    | 811218104021 | PRIYANGA G          | II CSE          | 28                     | 100                            | 22                          | 88                      | 94                                               |
| 21    | 811218104022 | RAMYA R             | II CSE          | 28                     | 92                             | 18                          | 72                      | 82                                               |
| 22    | 811218104023 | SHARVESH CHARAN.S.A | II CSE          | 28                     | 100                            | 22                          | 88                      | 94                                               |
| 23    | 811218104024 | SATHASIVAM P        | II CSE          | 27                     | 100                            | 22                          | 88                      | 94                                               |



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|-------|--------------|-------------------|-----------------|------------------------|--------------------------------|-----------------------------|-------------------------|--------------------------------------------------|
|       |              |                   |                 | No. of Hrs<br>Attended | Attendance<br>Mark(100)<br>(A) | No of<br>Correct<br>Answers | MCQ<br>Mark(100)<br>(B) |                                                  |
| 24    | 811218104026 | SHALINI P         | II CSE          | 30                     | 92                             | 20                          | 80                      | 86                                               |
| 25    | 811218104027 | SHANMUGANATHAN P  | II CSE          | 30                     | 92                             | 19                          | 76                      | 84                                               |
| 26    | 811218104028 | SHEELA.S          | II CSE          | 27                     | 100                            | 20                          | 80                      | 90                                               |
| 27    | 811218104029 | SUDHAKARAN C      | II CSE          | 30                     | 83                             | 16                          | 64                      | 74                                               |
| 28    | 811218104030 | SUGASTINLG        | II CSE          | 30                     | 83                             | 16                          | 64                      | 74                                               |
| 29    | 811218104031 | VAISHNAVI G       | II CSE          | 30                     | 100                            | 22                          | 88                      | 94                                               |
| 30    | 811218104032 | VIGNA SRI S       | II CSE          | 28                     | 92                             | 18                          | 72                      | 82                                               |
| 31    | 811218104033 | VIJAYA DHARANI K  | II CSE          | 28                     | 100                            | 22                          | 88                      | 94                                               |
| 32    | 811218104034 | VINOTHINI S       | II CSE          | 30                     | 100                            | 22                          | 88                      | 94                                               |
| 33    | 811218104501 | SIVASANGARI C     | II CSE          | 30                     | 92                             | 20                          | 80                      | 86                                               |
| 34    | 811217104001 | AARTHI J          | III/CSE         | 28                     | 92                             | 20                          | 80                      | 86                                               |
| 35    | 811217104002 | DEEPIKA N         | III/CSE         | 28                     | 100                            | 22                          | 88                      | 94                                               |
| 36    | 811217104003 | DHANALAKSHMI R    | III/CSE         | 28                     | 92                             | 20                          | 80                      | 86                                               |
| 37    | 811217104004 | GOATHAR FATHIMA S | III/CSE         | 30                     | 92                             | 20                          | 80                      | 86                                               |



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| S.No. | Reg.No       | Student's Name   | Year/<br>Branch | Attendance Details     |                                | VAC-MCQ TEST                |                         | OVERALL<br>MARK(100)<br>(50% of A +<br>50% of B) |
|-------|--------------|------------------|-----------------|------------------------|--------------------------------|-----------------------------|-------------------------|--------------------------------------------------|
|       |              |                  |                 | No. of Hrs<br>Attended | Attendance<br>Mark(100)<br>(A) | No of<br>Correct<br>Answers | MCQ<br>Mark(100)<br>(B) |                                                  |
| 38    | 811217104005 | GOWTHAM RAAJ K   | III/CSE         | 30                     | 100                            | 22                          | 88                      | 94                                               |
| 39    | 811217104007 | JAYA PRATHA A    | III/CSE         | 30                     | 92                             | 20                          | 80                      | 86                                               |
| 40    | 811217104008 | JICKSON S        | III/CSE         | 25                     | 92                             | 20                          | 80                      | 86                                               |
| 41    | 811217104009 | KAMATCHI V       | III/CSE         | 30                     | 100                            | 22                          | 88                      | 94                                               |
| 42    | 811217104010 | KOKILA V         | III/CSE         | 27                     | 92                             | 20                          | 80                      | 86                                               |
| 43    | 811217104011 | LAKSHMI PRIYA M  | III/CSE         | 27                     | 92                             | 20                          | 80                      | 86                                               |
| 44    | 811217104012 | NAVEEN R         | III/CSE         | 27                     | 92                             | 20                          | 80                      | 86                                               |
| 45    | 811217104013 | PANNEER SELVAM R | III/CSE         | 30                     | 100                            | 22                          | 88                      | 94                                               |
| 46    | 811217104014 | PRINCY DEEPA X   | III/CSE         | 30                     | 92                             | 20                          | 80                      | 86                                               |
| 47    | 811217104015 | RAGHUL L         | III/CSE         | 30                     | 92                             | 20                          | 80                      | 86                                               |
| 48    | 811217104016 | SALMA BANU M     | III/CSE         | 29                     | 100                            | 22                          | 88                      | 94                                               |
| 50    | 811217104017 | SEEBIKA M        | III/CSE         | 29                     | 92                             | 20                          | 80                      | 86                                               |
| 51    | 811217104019 | SIVASANKARI S    | III/CSE         | 29                     | 92                             | 20                          | 80                      | 86                                               |
| 52    | 811217104020 | SWATHI M         | III/CSE         | 27                     | 100                            | 22                          | 88                      | 94                                               |



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| S.No. | Reg.No       | Student's Name    | Year/<br>Branch | Attendance Details     |                                | VAC-MCQ TEST                |                         | OVERALL<br>MARK(100)<br>(50% of A +<br>50% of B) |
|-------|--------------|-------------------|-----------------|------------------------|--------------------------------|-----------------------------|-------------------------|--------------------------------------------------|
|       |              |                   |                 | No. of Hrs<br>Attended | Attendance<br>Mark(100)<br>(A) | No of<br>Correct<br>Answers | MCQ<br>Mark(100)<br>(B) |                                                  |
| 53    | 811217104022 | VASUKI M          | III/CSE         | 27                     | 92                             | 20                          | 80                      | 86                                               |
| 54    | 811217104023 | YOKESH KANNAN P H | III/CSE         | 27                     | 92                             | 20                          | 80                      | 86                                               |
| 55    | 811216104002 | ANJALADEVI J      | IV/CSE          | 27                     | 92                             | 20                          | 80                      | 86                                               |
| 56    | 811216104003 | APARNA S          | IV/CSE          | 28                     | 92                             | 20                          | 80                      | 86                                               |
| 57    | 811216104004 | ARCHANA T         | IV/CSE          | 28                     | 100                            | 22                          | 88                      | 94                                               |
| 58    | 811216104005 | BAKKIYA V         | IV/CSE          | 28                     | 92                             | 20                          | 80                      | 86                                               |
| 59    | 811216104007 | BANUMATHI D       | IV/CSE          | 30                     | 92                             | 20                          | 80                      | 86                                               |
| 60    | 811216104008 | DHANUSH S         | IV/CSE          | 30                     | 92                             | 20                          | 80                      | 86                                               |
| 61    | 811216104009 | DHIVYA B          | IV/CSE          | 29                     | 92                             | 16                          | 64                      | 78                                               |
| 62    | 811216104010 | DIVYA R           | IV/CSE          | 29                     | 92                             | 16                          | 64                      | 78                                               |
| 63    | 811216104011 | GANESHKUMAR A     | IV/CSE          | 29                     | 100                            | 20                          | 80                      | 90                                               |
| 64    | 811216104012 | GOBALA KRISHNAN R | IV/CSE          | 29                     | 92                             | 20                          | 80                      | 86                                               |
| 65    | 811216104013 | GUNASEKAR P       | IV/CSE          | 28                     | 100                            | 22                          | 88                      | 94                                               |
| 66    | 811216104014 | JOTHIKA R         | IV/CSE          | 28                     | 92                             | 17                          | 68                      | 80                                               |



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|-------|--------------|---------------------|-----------------|------------------------|--------------------------------|-----------------------------|-------------------------|--------------------------------------------------|
|       |              |                     |                 | No. of Hrs<br>Attended | Attendance<br>Mark(100)<br>(A) | No of<br>Correct<br>Answers | MCQ<br>Mark(100)<br>(B) |                                                  |
| 67    | 811216104015 | KARTHIKEYAN J       | IV/CSE          | 30                     | 92                             | 19                          | 76                      | 84                                               |
| 68    | 811216104016 | KEERTHANA K         | IV/CSE          | 29                     | 92                             | 19                          | 76                      | 84                                               |
| 69    | 811216104017 | KEERTHANA P(490725) | IV/CSE          | 29                     | 100                            | 20                          | 80                      | 90                                               |
| 70    | 811216104018 | KIRUBAKARAN M       | IV/CSE          | 30                     | 83                             | 16                          | 64                      | 74                                               |
| 71    | 811216104019 | KIRUTHIKA R         | IV/CSE          | 30                     | 83                             | 16                          | 64                      | 74                                               |
| 72    | 811216104020 | MEENAKSHI S         | IV/CSE          | 28                     | 100                            | 22                          | 88                      | 94                                               |
| 73    | 811216104021 | NAVEEN K            | IV/CSE          | 28                     | 92                             | 18                          | 72                      | 82                                               |
| 74    | 811216104022 | NAVEENKUMAR S       | IV/CSE          | 28                     | 92                             | 16                          | 64                      | 78                                               |
| 75    | 811216104023 | NEROSON KIOSUS N    | IV/CSE          | 28                     | 92                             | 16                          | 64                      | 78                                               |
| 76    | 811216104024 | PAVITHRA.G          | IV/CSE          | 28                     | 100                            | 20                          | 80                      | 90                                               |
| 77    | 811216104026 | PAVITHIRA.R         | IV/CSE          | 29                     | 92                             | 20                          | 80                      | 86                                               |
| 78    | 811216104027 | PRABAHAR R          | IV/CSE          | 30                     | 100                            | 22                          | 88                      | 94                                               |
| 79    | 811216104028 | RACIKA R            | IV/CSE          | 30                     | 92                             | 17                          | 68                      | 80                                               |
| 80    | 811216104029 | RAHUL S             | IV/CSE          | 30                     | 92                             | 19                          | 76                      | 84                                               |



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| S.No. | Reg.No       | Student's Name     | Year/<br>Branch | Attendance Details     |                                | VAC-MCQ TEST                |                         | OVERALL<br>MARK(100)<br>(50% of A +<br>50% of B) |
|-------|--------------|--------------------|-----------------|------------------------|--------------------------------|-----------------------------|-------------------------|--------------------------------------------------|
|       |              |                    |                 | No. of Hrs<br>Attended | Attendance<br>Mark(100)<br>(A) | No of<br>Correct<br>Answers | MCQ<br>Mark(100)<br>(B) |                                                  |
| 81    | 811216104030 | REVATHI N          | IV/CSE          | 27                     | 92                             | 19                          | 76                      | 84                                               |
| 82    | 811216104031 | SARANYA A          | IV/CSE          | 27                     | 100                            | 20                          | 80                      | 90                                               |
| 83    | 811216104032 | SARANYA M          | IV/CSE          | 30                     | 83                             | 16                          | 64                      | 74                                               |
| 84    | 811216104033 | SARAVANAN M        | IV/CSE          | 30                     | 83                             | 16                          | 64                      | 74                                               |
| 85    | 811216104034 | SHARUN PRABU A     | IV/CSE          | 27                     | 100                            | 22                          | 88                      | 94                                               |
| 86    | 811216104035 | SOUNDHARYA J       | IV/CSE          | 28                     | 92                             | 18                          | 72                      | 82                                               |
| 87    | 811216104036 | TAMILSELVAM M      | IV/CSE          | 28                     | 92                             | 16                          | 64                      | 78                                               |
| 88    | 811216104038 | THARIK A           | IV/CSE          | 29                     | 92                             | 16                          | 64                      | 78                                               |
| 89    | 811216104039 | VARSHA S           | IV/CSE          | 29                     | 100                            | 20                          | 80                      | 90                                               |
| 90    | 811216104040 | VIGNESHWARACHARI S | IV/CSE          | 29                     | 92                             | 16                          | 64                      | 78                                               |
| 91    | 811216104041 | VJAYALAKSHMI M     | IV/CSE          | 27                     | 100                            | 20                          | 80                      | 90                                               |
| 92    | 811216104042 | VJAYALAKSHMI P     | IV/CSE          | 27                     | 92                             | 20                          | 80                      | 86                                               |
| 93    | 811216104043 | VINITHA M          | IV/CSE          | 30                     | 100                            | 22                          | 88                      | 94                                               |
| 94    | 811216104044 | VINITHA DEVI P     | IV/CSE          | 30                     | 92                             | 17                          | 68                      | 80                                               |



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|-------|--------------|---------------------|-----------------|------------------------|--------------------------------|-----------------------------|-------------------------|--------------------------------------------------|
|       |              |                     |                 | No. of Hrs<br>Attended | Attendance<br>Mark(100)<br>(A) | No of<br>Correct<br>Answers | MCQ<br>Mark(100)<br>(B) |                                                  |
| 95    | 811216104045 | YOGESHWARAN S       | IV/CSE          | 27                     | 92                             | 19                          | 76                      | 84                                               |
| 96    | 811216104046 | YUVASRI T           | IV/CSE          | 28                     | 92                             | 19                          | 76                      | 84                                               |
| 97    | 811218405001 | ASWINI M            | II/ME           | 28                     | 100                            | 20                          | 80                      | 90                                               |
| 98    | 811218405002 | GWENDOLYN ROSETTA G | II/ME           | 29                     | 83                             | 16                          | 64                      | 74                                               |
| 99    | 811218405004 | NIRMALA N           | II/ME           | 29                     | 83                             | 16                          | 64                      | 74                                               |

VAC Coordinator

Dr. G. Balakrishnan, M.E., Ph.D.,  
Principal  
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IG Valley, Madurai Main Road  
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HoD/CSE



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## Report on Value Added Course

Title: **PHP**

Resource Person: **Mr. C.Arunbalaji**  
JD Software Pvt Ltd  
Vandalur

**Mr.R.Sathish Kumar**  
JD Software Pvt Ltd  
Vandalur

Date of conduct from : **16.12.2019** To: **21.12.2019** Duration: **36 Hours**

Organized Department : **COMPUTER SCIENCE AND ENGINEERING**

Participant Year: **CSE IV,III ,II and M.E-II Year** No. of Students Registered : **99**

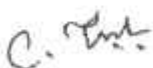
Venue: **SD LAB and NETWORK LAB II FLOOR**

### **Outcome of Value Added Course (VAC): At the end of the Course, Students can able to**

- Know the fundamentals of PHP and its architecture.
- Built Module, controllers, Events
- Apply inbuilt and custom pipes
- Develop object-oriented Ruby programs using classes and objects
- Design forms and Modules in React JS
- Explain Services, Animations, Routing.

### **Assessment Process**

- Students, who are securing **more than 70% on total score** and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted
- Total Score =  $(0.5 * \text{Attendance in VAC out of 100 percentage} + 0.5 * \text{Test mark in VAC out of 100 marks})$

  
**VAC Coordinator**

  
**HoD/CSE**

  
**Principal**

  
**Dr. G. Balakrishnan, M.E., Ph.D.,**  
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## Sample Photo on Value Added Course

Title: **PHP**

Resource Person:

**Mr. C.Arunbalaji**  
JD Software Pvt Ltd  
Vandalur

**Mr.R.Sathish Kumar**  
JD Software Pvt Ltd  
Vandalur

Date of conduct from : **16.12.2019**

To: **21.12.2019**

Duration: **36 Hours**

Organized Department : **COMPUTER SCIENCE AND ENGINEERING**

Participant Year: **CSE IV,III,II and M.E-II Year**

No. of Students Registered : **99**

Venue: **SD LAB AND NETWORKS LAB II FLOOR**

### Sample Photo



*C. Arunbalaji*  
**VAC Coordinator**

*D. Sathish Kumar*  
**HoD/CSE**

*[Signature]*  
**Principal**

*Dr. G. Balakrishnan, M.E., Ph.D.*  
**Principal**  
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**JD Soft**

... beyond IT

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **NAVEEN K** ..... of  
..... **IV.YEAR.CSE** ..... has successfully completed the Value Added Course on **PHP**  
organized by Department of Computer Science and Engineering and IQAC of our Institution in  
Association with JD Software Pvt Ltd from 19<sup>th</sup> Dec 2019 TO 23<sup>rd</sup> Dec 2019 during the Academic  
Year 2019-2020.

**Project Manager**  
**JD Software Pvt Ltd**

Dr. G. Balakrishnan, M.A., Ph.D.,  
Principal  
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Manikandam, Trichy-620 012.

**Principal**  
**IGCE**



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## COLLEGE OF ENGINEERING

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JD Soft

... beyond IT

### CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **DEEPIKA N** of  
..... **III YEAR CSE** ..... has successfully completed the Value Added Course on **PHP**  
organized by Department of Computer Science and Engineering and IQAC of our Institution in  
Association with JD Software Pvt Ltd from 19<sup>th</sup> Dec 2019 TO 23<sup>rd</sup> Dec 2019 during the Academic  
Year 2019-2020.

**Project Manager**  
**JD Software Pvt Ltd**

Dr. G. Balakrishnan, M.E., Ph.D.,  
Principal  
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Manikandam, Trichy-620 012.

**Principal**  
**IGCE**



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**JD Soft**

... beyond IT

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. .... **AJITH KUMAR R** ..... of  
..... **II YEAR CSE** ..... has successfully completed the Value Added Course on **PHP**  
organized by Department of Computer Science and Engineering and IQAC of our Institution in  
Association with JD Software Pvt Ltd from 19<sup>th</sup> Dec 2019 TO 23<sup>rd</sup> Dec 2019 during the Academic  
Year 2019-2020.

**Project Manager**  
**JD Software Pvt Ltd**

Dr. G. Balakrishnan, M.E., Ph.D.,  
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Manikandam, Trichy-620 012.

**Principal**  
**IGCE**



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## Department of Computer Science & Engineering

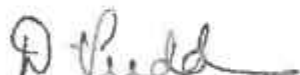
Academic Year 2019-2020 – Even Semester

20.06.2020

### DEPARTMENT CIRCULAR

Department of Computer Science and Engineering and IQAC of IGCE in association with **FLINK TECHNOLOGIES**, is going to organize Value Added Course for II, III, IV and II M.E (CSE) on “**AGUMENTED REALITY AND VIRTUAL REALITY**” from 22.06.2020 to 26.06.2020. Certificates will be issued to the eligible participants at the end of the Course. This training is to be provided in our campus

|                        |                                                                            |
|------------------------|----------------------------------------------------------------------------|
| <b>Resource Person</b> | <b>MRS.SANKARI<br/>PROJECT MANAGER<br/>FLINK TECHNOLOGY<br/>KUMBAKONAM</b> |
| <b>Venue</b>           | Google Meet                                                                |

  
HOD/CSE

  
PRINCIPAL

Cc:

- Principal Table
- IQAC Co-Ordinator
- HoD/ CSE
- Class In charges – II,III ,IV-Year and PG II Year
- II,III ,IV-Year and PG II Year CSE Students
- Office File
- NoticeBoard

  
Dr. G. Balakrishnan, M.E., Ph.D.,  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.



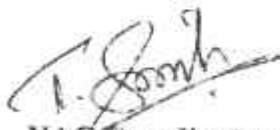
# Indra Ganesan

**COLLEGE OF ENGINEERING**Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli- 620 012  
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## Value Added Course

### **AGUMENTED REALITY AND VIRTUAL REALITY**

| S.NO                               | TOPIC COVERED                           | DURATION<br>(in hours) | DATE       |
|------------------------------------|-----------------------------------------|------------------------|------------|
| 1                                  | Introduction to AR and VR               | 3                      | 22.06.2020 |
| 2                                  | Hardware and Devices                    | 3                      | 22.06.2020 |
| 3                                  | Software and Development Tools          | 3                      | 23.06.2020 |
| 4                                  | Augmented Reality (AR)                  | 3                      | 23.06.2020 |
| 5                                  | Virtual Reality (VR)                    | 3                      | 24.06.2020 |
| 6                                  | Interaction Design and User Experience  | 3                      | 24.06.2020 |
| 7                                  | Applications of AR and VR               | 3                      | 25.06.2020 |
| 8                                  | Social and Ethical Implications         | 3                      | 25.06.2020 |
| 9                                  | Future Trends and Emerging Technologies | 3                      | 26.06.2020 |
| 10                                 | Industry and market outlook             | 3                      | 26.06.2020 |
| 11                                 | Exam                                    | 1                      | 26.06.2020 |
| <b>Total Hours(Excluding Exam)</b> |                                         | <b>30</b>              |            |

  
**VAC Coordinator**



  
**Hod/CSE**

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Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai**VALUE ADDED COURSE****AGUMENTED REALITY AND VIRTUAL REALITY****STUDENTS PARTICIPATION LIST**

| S.NO. | REG.NO       | STUDENT'S NAME      | YEAR/<br>BRANCH |
|-------|--------------|---------------------|-----------------|
| 1     | 811218104001 | AISHWARYA M         | II CSE          |
| 2     | 811218104002 | AJITH KUMAR R       | II CSE          |
| 3     | 811218104003 | ARAVINDH SAMY P     | II CSE          |
| 4     | 811218104004 | ARJUN V             | II CSE          |
| 5     | 811218104005 | DHARSHINI A         | II CSE          |
| 6     | 811218104006 | DINESH KUMAR K      | II CSE          |
| 7     | 811218104007 | GOWTHAM K           | II CSE          |
| 8     | 811218104008 | HARIHARAN N         | II CSE          |
| 9     | 811218104009 | HEMA LATHA B        | II CSE          |
| 10    | 811218104010 | JEGATHISWARI D      | II CSE          |
| 11    | 811218104011 | JOSHI DAYANA K      | II CSE          |
| 12    | 811218104012 | KANAGARAJ K S       | II CSE          |
| 13    | 811218104013 | KIRUTHIGA V         | II CSE          |
| 14    | 811218104014 | MADHAVAN S          | II CSE          |
| 15    | 811218104015 | MAHENDRAN S         | II CSE          |
| 16    | 811218104017 | MUTHAIYA P          | II CSE          |
| 17    | 811218104018 | NEETHIMOZHI A       | II CSE          |
| 18    | 811218104019 | NITHYA P            | II CSE          |
| 19    | 811218104020 | NIVEDHA S           | II CSE          |
| 20    | 811218104021 | PRIYANGA G          | II CSE          |
| 21    | 811218104022 | RAMYA R             | II CSE          |
| 22    | 811218104023 | SHARVESH CHARAN.S.A | II CSE          |
| 23    | 811218104024 | SATHASIVAM P        | II CSE          |
| 24    | 811218104026 | SHALINI P           | II CSE          |
| 25    | 811218104027 | SHANMUGANATHAN P    | II CSE          |
| 26    | 811218104028 | SHEELA.S            | II CSE          |
| 27    | 811218104029 | SUDHAKARAN C        | II CSE          |
| 28    | 811218104030 | SUGASIN.L.G         | II CSE          |
| 29    | 811218104031 | VAISHNAVI G         | II CSE          |
| 30    | 811218104032 | VIGNA SRI S         | II CSE          |
| 31    | 811218104033 | VIJAYA DHARANI K    | II CSE          |
| 32    | 811218104034 | VINOTHINI S         | II CSE          |
| 33    | 811218104501 | SIVASANGARI C       | II CSE          |
| 34    | 811217104001 | AARTHI J            | III/CSE         |

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| S.NO | REG.NO       | STUDENT'S NAME      | YEAR/BRANCH |
|------|--------------|---------------------|-------------|
| 35   | 811217104002 | DEEPIKA N           | III/CSE     |
| 36   | 811217104003 | DHANALAKSHMI R      | III/CSE     |
| 37   | 811217104004 | GOATHAR FATHIMA S   | III/CSE     |
| 38   | 811217104005 | GOWTHAM RAAJ K      | III/CSE     |
| 39   | 811217104007 | JAYA PRATHA A       | III/CSE     |
| 40   | 811217104008 | JICKSON S           | III/CSE     |
| 41   | 811217104009 | KAMATCHI V          | III/CSE     |
| 42   | 811217104010 | KOKILA V            | III/CSE     |
| 43   | 811217104011 | LAKSHMI PRIYA M     | III/CSE     |
| 44   | 811217104012 | NAVEEN R            | III/CSE     |
| 45   | 811217104013 | PANNEER SELVAM R    | III/CSE     |
| 46   | 811217104014 | PRINCY DEEPA X      | III/CSE     |
| 47   | 811217104015 | RAGHUL L            | III/CSE     |
| 48   | 811217104016 | SALMA BANU M        | III/CSE     |
| 50   | 811217104017 | SEEBIKA M           | III/CSE     |
| 51   | 811217104019 | SIVASANKARI S       | III/CSE     |
| 52   | 811217104020 | SWATHI M            | III/CSE     |
| 53   | 811217104022 | VASUKI M            | III/CSE     |
| 54   | 811217104023 | YOKESH KANNAN P H   | III/CSE     |
| 55   | 811216104002 | ANJALADEVI J        | IV/CSE      |
| 56   | 811216104003 | APARNA S            | IV/CSE      |
| 57   | 811216104004 | ARCHANA T           | IV/CSE      |
| 58   | 811216104005 | BAKKIYA V           | IV/CSE      |
| 59   | 811216104007 | BANUMATHI D         | IV/CSE      |
| 60   | 811216104008 | DHANUSH S           | IV/CSE      |
| 61   | 811216104009 | DHIVYA B            | IV/CSE      |
| 62   | 811216104010 | DIVYA R             | IV/CSE      |
| 63   | 811216104011 | GANESHKUMAR A       | IV/CSE      |
| 64   | 811216104012 | GOBALA KRISHNAN R   | IV/CSE      |
| 65   | 811216104013 | GUNASEKAR P         | IV/CSE      |
| 66   | 811216104014 | JOTHIKA R           | IV/CSE      |
| 67   | 811216104015 | KARTHIKEYAN J       | IV/CSE      |
| 68   | 811216104016 | KEERTHANA K         | IV/CSE      |
| 69   | 811216104017 | KEERTHANA P(490725) | IV/CSE      |
| 70   | 811216104018 | KIRUBAKARAN M       | IV/CSE      |
| 71   | 811216104019 | KIRUTHIKA R         | IV/CSE      |
| 72   | 811216104020 | MEENAKSHI S         | IV/CSE      |
| 73   | 811216104021 | NAVEEN K            | IV/CSE      |
| 74   | 811216104022 | NAVEENKUMAR S       | IV/CSE      |
| 75   | 811216104023 | NEROSON KIOSUS N    | IV/CSE      |

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| S.NO | REG.NO       | STUDENT'S NAME      | YEAR/BRANCH |
|------|--------------|---------------------|-------------|
| 76   | 811216104024 | PAVITHRA G          | IV/CSE      |
| 77   | 811216104026 | PAVITHRA.R          | IV/CSE      |
| 78   | 811216104027 | PRABAHAR R          | IV/CSE      |
| 79   | 811216104028 | RACIKA R            | IV/CSE      |
| 80   | 811216104029 | RAHUL S             | IV/CSE      |
| 81   | 811216104030 | REVATHI N           | IV/CSE      |
| 82   | 811216104031 | SARANYA A           | IV/CSE      |
| 83   | 811216104032 | SARANYA M           | IV/CSE      |
| 84   | 811216104033 | SARAVANAN M         | IV/CSE      |
| 85   | 811216104034 | SHARUN PRABU A      | IV/CSE      |
| 86   | 811216104035 | SOUNDHARYA J        | IV/CSE      |
| 87   | 811216104036 | TAMILSELVAM M       | IV/CSE      |
| 88   | 811216104038 | THARIK A            | IV/CSE      |
| 89   | 811216104039 | VARSHA S            | IV/CSE      |
| 90   | 811216104040 | VIGNESHWARACHARI S  | IV/CSE      |
| 91   | 811216104041 | VIJAYALAKSHMI M     | IV/CSE      |
| 92   | 811216104042 | VIJAYALAKSHMI P     | IV/CSE      |
| 93   | 811216104043 | VINITHA M           | IV/CSE      |
| 94   | 811216104044 | VINITHA DEVI P      | IV/CSE      |
| 95   | 811216104045 | YOGESHWARAN S       | IV/CSE      |
| 96   | 811216104046 | YUVASRI T           | IV/CSE      |
| 97   | 811218405001 | ASWINI M            | II/ME(CSE)  |
| 98   | 811218405002 | GWENDOLYN ROSETTA G | II/ME(CSE)  |
| 99   | 811218405004 | NIRMALA N           | II/ME(CSE)  |

  
VAC Coordinator



  
HoD/CSE

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## STUDENTS PARTICIPATION LIST

### VALUE ADDED COURSE

### AGUMENTED REALITY AND VIRTUAL REALITY

| S.NO | REG NO       | STUDENTS NAME   | YEAR/<br>BRANCH | 22.06.2020 |    | 23.06.2020 |    | 24.06.2020 |    | 25.06.2020 |    | 26.06.2020 |    | NO OF<br>SESSIO<br>NS<br>ATTEN<br>DED | SIGN<br>OF THE<br>STUDE<br>NT |
|------|--------------|-----------------|-----------------|------------|----|------------|----|------------|----|------------|----|------------|----|---------------------------------------|-------------------------------|
|      |              |                 |                 | FN         | AN | FN         | AN | FN         | AN | FN         | AN | FN         | AN |                                       |                               |
| 1    | 811218104001 | AISHWARYA M     | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    | ONLINE MODE                   |
| 2    | 811218104002 | AJITH KUMAR R   | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |
| 3    | 811218104003 | ARAVINDH SAMY P | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 8                                     |                               |
| 4    | 811218104004 | ARJUN V         | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |
| 5    | 811218104005 | DHARSHINI A     | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |
| 6    | 811218104006 | DINESH KUMAR K  | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |
| 7    | 811218104007 | GOWTHAM K       | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |
| 8    | 811218104008 | HARIHARAN N     | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |
| 9    | 811218104009 | HI MA LATHA B   | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |
| 10   | 811218104010 | HEGATHISWARI D  | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 8                                     |                               |
| 11   | 811218104011 | JOSHI DAYANA K  | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |
|      |              |                 |                 | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |



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| S.NO | REG NO       | STUDENTS NAME       | YEAR/<br>BRANCH | 22.06.2020 |    | 23.06.2020 |    | 24.06.2020 |    | 25.06.2020 |    | 26.06.2020 |    | NO OF<br>SESSIONS<br>ATTENDED | SIGN<br>OF THE<br>STUDENT |
|------|--------------|---------------------|-----------------|------------|----|------------|----|------------|----|------------|----|------------|----|-------------------------------|---------------------------|
|      |              |                     |                 | FN         | AN | FN         | AN | FN         | AN | FN         | AN | FN         | AN |                               |                           |
| 12   | 811218104012 | KANAGARAJ K S       | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | ONLINE MODE               |
| 13   | 811218104013 | KIRUTHIGA V         | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 14   | 811218104014 | MADHAVAN S          | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 15   | 811218104015 | MAHENDRAN S         | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 16   | 811218104017 | MUTHAIYA P          | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 17   | 811218104018 | NETHIMOZHI A        | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 18   | 811218104019 | NITHYA P            | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 19   | 811218104020 | NIVEDHA S           | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 20   | 811218104021 | PRIYANGA G          | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 21   | 811218104022 | RAMYA R             | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 22   | 811218104023 | SHARVESH CHARAN.S.A | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 23   | 811218104024 | SATHASIVAM P        | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 24   | 811218104026 | SHALINI P           | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 8                             |                           |
| 25   | 811218104027 | SHANMUGANATHAN P    | II CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |



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| S.NO | REG NO       | STUDENT'S NAME    | YEAR/<br>BRANCH | 22.06.2020 |    | 23.06.2020 |    | 24.06.2020 |    | 25.06.2020 |    | 26.06.2020 |    | NO OF<br>SESSIONS<br>ATTENDED | SIGN<br>OF THE<br>STUDENT |
|------|--------------|-------------------|-----------------|------------|----|------------|----|------------|----|------------|----|------------|----|-------------------------------|---------------------------|
|      |              |                   |                 | FN         | AN | FN         | AN | FN         | AN | FN         | AN | FN         | AN |                               |                           |
| 40   | 811217104008 | JACKSON S         | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | ONLINE MODE               |
| 41   | 811217104009 | KAMATCHI V        | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 42   | 811217104010 | KOKILA V          | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 43   | 811217104011 | AKSHMI PRIYA M    | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 44   | 811217104012 | NAVEEN R          | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 8                             |                           |
| 45   | 811217104013 | PANNEER SELVAM R  | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 46   | 811217104014 | PRINCY DEEPA X    | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 8                             |                           |
| 47   | 811217104015 | RAGHUL L          | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 48   | 811217104016 | SALMA BANU M      | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 50   | 811217104017 | SEEBIKA M         | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 51   | 811217104019 | SIVASANKARI S     | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 52   | 811217104020 | SWATHI M          | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 53   | 811217104022 | VASUKI M          | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 54   | 811217104023 | YOKESH KANNAN P H | III/CSE         | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |



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*(Signature)*

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| S.NO | REG NO       | STUDENTS NAME     | YEAR/<br>BRANCH | 22.06.2020 |    | 23.06.2020 |    | 24.06.2020 |    | 25.06.2020 |    | 26.06.2020 |    | NO OF<br>SESSIONS<br>ATTENDED | SIGN<br>OF THE<br>STUDENT |
|------|--------------|-------------------|-----------------|------------|----|------------|----|------------|----|------------|----|------------|----|-------------------------------|---------------------------|
|      |              |                   |                 | FN         | AN | FN         | AN | FN         | AN | FN         | AN | FN         | AN |                               |                           |
| 55   | 811216104002 | ANJALADEVI J      | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | ONLINE MODE               |
| 56   | 811216104003 | APARNA S          | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 57   | 811216104004 | ARCHANA T         | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 58   | 811216104005 | BAKKIYA V         | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 59   | 811216104007 | BANUMATHI D       | IV/CSE          | A          | A  | /          | /  | /          | /  | /          | /  | /          | /  | 8                             |                           |
| 60   | 811216104008 | BHANUSH S         | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 61   | 811216104009 | BHIVYA B          | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 62   | 811216104010 | DIVYA R           | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 63   | 811216104011 | GANESHKUMAR A     | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 64   | 811216104012 | GOBALA KRISHNAN R | IV/CSE          | /          | /  | A          | A  | /          | /  | /          | /  | /          | /  | 8                             |                           |
| 65   | 811216104013 | GUNASEKAR P       | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 66   | 811216104014 | JOTHIKA R         | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 67   | 811216104015 | KARTHIKEYAN J     | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 68   | 811216104016 | KERTHANA K        | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |



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*(Signature)*

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| S.NO | REG NO       | STUDENTS NAME    | YEAR/<br>BRANCH | 22.06.2020 |    | 23.06.2020 |    | 24.06.2020 |    | 25.06.2020 |    | 26.06.2020 |    | NO OF<br>SESSIONS<br>ATTENDED | SIGN<br>OF THE<br>STUDENT |
|------|--------------|------------------|-----------------|------------|----|------------|----|------------|----|------------|----|------------|----|-------------------------------|---------------------------|
|      |              |                  |                 | FN         | AN | FN         | AN | FN         | AN | FN         | AN | FN         | AN |                               |                           |
| 69   | 811216104017 | KIERITHANA P     | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            | ONLINE MODE               |
| 70   | 811216104018 | KIRUBAKARAN M    | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 71   | 811216104019 | KIRUTHIKA R      | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 72   | 811216104020 | MH ENAKSHI S     | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 73   | 811216104021 | NAVEEN K         | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 74   | 811216104022 | NAVEENKUMAR S    | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 75   | 811216104023 | NIROSON KIOSUS N | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 76   | 811216104024 | PAVITHRA G       | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 77   | 811216104026 | PAVITHRA.R       | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 78   | 811216104027 | PRABAHAR R       | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 79   | 811216104028 | RACIKA R         | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 80   | 811216104029 | RAHUL S          | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 81   | 811216104030 | REVATHI N        | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |
| 82   | 811216104031 | SARANYA A        | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                            |                           |



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| S.NO | REG NO       | STUDENTS NAME      | YEAR/<br>BRANCH | 22.06.2020 |    | 23.06.2020 |    | 24.06.2020 |    | 25.06.2020 |    | 26.06.2020 |    | NO OF<br>SESSIO<br>NS<br>ATTEN<br>DED | SIGN<br>OF THE<br>STUDE<br>NT |
|------|--------------|--------------------|-----------------|------------|----|------------|----|------------|----|------------|----|------------|----|---------------------------------------|-------------------------------|
|      |              |                    |                 | FN         | AN | FN         | AN | FN         | AN | FN         | AN | FN         | AN |                                       |                               |
| 83   | 811216104032 | SARANYA M          | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    | ONLINE MODE                   |
| 84   | 811216104033 | SARAVANAN M        | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |
| 85   | 811216104034 | SHARUN PRABU A     | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |
| 86   | 811216104035 | SOUNDHARYA J       | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 8                                     |                               |
| 87   | 811216104036 | TAMILSELVAM M      | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |
| 88   | 811216104038 | ILARIK A           | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |
| 89   | 811216104039 | VARSHA S           | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |
| 90   | 811216104040 | VIGNESHWARACHARI S | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 8                                     |                               |
| 91   | 811216104041 | VIJAYALAKSHMI M    | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |
| 92   | 811216104042 | VIJAYALAKSHMI P    | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |
| 93   | 811216104043 | VINITHA M          | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |
| 94   | 811216104044 | VINITHA DEVI P     | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |
| 95   | 811216104045 | YOGESHWARAN S      | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |
| 96   | 811216104046 | YUVASRI T          | IV/CSE          | /          | /  | /          | /  | /          | /  | /          | /  | /          | /  | 10                                    |                               |



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|------|--------------|---------------------|-----------------|------------|----|------------|----|------------|---|------------|----|------------|----|---------------------------------------|-------------------------------|
|      |              |                     |                 | FN         | AN | FN         | AN | FN         |   |            | AN | FN         | AN |                                       |                               |
| 97   | 811218405001 | ASWINI M            | II/ME           | /          | /  | /          | /  | /          | / | /          | /  | /          | /  | 10                                    | ONLINE<br>MODE                |
| 98   | 811218405002 | GWENDOLYN ROSETTA G | II/ME           | /          | /  | /          | /  | /          | / | /          | /  | /          | /  | 10                                    |                               |
| 99   | 811218405004 | NIRMALA N           | II/ME           | /          | /  | /          | /  | /          | / | /          | /  | /          | /  | 10                                    |                               |

  
VAC Coordinator

  
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HoD/CSE



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Name of the Student:

Year/Sem:

AU Register Number:

## Value Added Course

### "AGUMENTED REALITY AND VIRTUAL REALITY"

#### MCQ QUESTIONS (25X1 = 100 Marks)

1. A field of technology that deals with a combination of real world and the data generated from computer.

- a) ML
- b) AI
- c) AR
- d) IoT

2. AR is interactive in real-time.

- a) True
- b) False

3. Technologies that completely involve a user inside a synthetic environment.

- a) AR
- b) VR
- c) AI
- d) ML

4. Technologies that allow the user to see the real world, with virtual objects composited in the real world.

- a) AR
- b) VR
- c) AI
- d) SR

5. A \_\_\_\_\_ is a display device, worn on head as a part of helmet that has a small display optic.

- a) HD
- b) MD
- c) HMD
- d) ARD

6. Wearable computing device in the form of computerized eyeglasses.

- a) HMD
- b) Helmets

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- c) Smart Glasses
- d) VR Glasses

**7. A tracking based on geo-location information.**

- a) Location based
- b) Markerless
- c) Marker based
- d) GPS

**8. SLAM stands for?**

- a) Simultaneous localization and mapping
- b) System localization and mapping
- c) Simultaneous localization and maintenance
- d) System localization and maintenance

**9. A technique that enables light field which is generally the product of a light source scattered off objects.**

- a) AES
- b) Holography
- c) Cryptography
- d) Gyrography

**10. A \_\_\_\_\_ can be recorded using a normal light source.**

- a) Holograph
- b) Photography
- c) Holography
- d) Photograph

**11. HMD stands for?**

- a) Head Mounted Display
- b) Head Masked Display
- c) Head Made Display
- d) Head Mounted Detection

**12. In terms of image analysis, it is important to attend to primary level signs in visual codes, most obviously for examples of still photography.**

- a) True
- b) False

**13. \_\_\_\_\_ keeps track of position.**

- a) Motion analyzers
- b) Motion Trackers
- c) HMD
- d) SMD

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- 14. BOOM stands for?**  
a) Binocular Omni-Orientation Manager  
b) Binary Omni-Orientation Manager  
c) Binocular Omni-Orientation Monitor  
d) Binary Omni-Orientation Monitor
- 15. A term for Illusion of immersion by projecting stereo images on the walls and floor of a room.**  
a) CAVE  
b) BOOM  
c) GUI  
d) HMD
- 16. It is a mediated environment which creates the sensation in a user of being present in a (physical) surrounding.**  
a) WWW  
b) VR  
c) HMD  
d) GUI
- 17. A term to describe the extent to which a user can modify form and content of a mediated environment.**  
a) Vividness  
b) Richness  
c) Interactivity  
d) Mapping
- 18. A type of VR environment in which subjects are visually isolated from the real environment.**  
a) Immersive  
b) Semi immersive  
c) Non immersive  
d) Augmented
- 19. In this type of VR environment, the three-dimensional scene is considered as a part of the physical environment.**  
a) Immersive  
b) Semi immersive  
c) Non immersive  
d) Augmented
- 20. In this type of VR environment, the subjects can perform both in the real and virtual environment.**  
a) Immersive  
b) Semi immersive

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- c) Non immersive
- d) Augmented

21. Separation of user logical memory and physical memory is \_\_\_\_\_

- a) Memory control
- b) Memory management
- c) Memory sharing
- d) Virtual memory

22. Virtual Memory can be implemented via \_\_\_\_\_

- a) Demand Paging
- b) Logical paging
- c) Structural way
- d) Simple division

23. COW stands for?

- a) Control over write
- b) Convert over write
- c) Count over write
- d) Copy over write

24. LRU stands for?

- a) Least Recently used
- b) Less Recently used
- c) Least recurrently used
- d) Least Randomly used

25. What is the correct syntax of echo statement in virtual?

- echo
- echo()
- echo = ()
- Both A. and B.

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## Value Added Course

### **AGUMENTED REALITY AND VIRTUAL REALITY**

#### ANSWER KEY

|   |   |    |   |    |   |    |   |    |   |
|---|---|----|---|----|---|----|---|----|---|
| 1 | A | 6  | B | 11 | C | 16 | C | 21 | A |
| 2 | B | 7  | A | 12 | B | 17 | B | 22 | C |
| 3 | A | 8  | D | 13 | A | 18 | A | 23 | C |
| 4 | C | 9  | B | 14 | B | 19 | A | 24 | B |
| 5 | B | 10 | A | 15 | C | 20 | C | 25 | B |

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VAC Coordinator

MCQ

Aarti

III/CSE

1. A) ML ✓
2. D) False ✓
3. A) AR ✓
4. C) AI ✓
5. B) MP ✓
6. D) VR Glasses ✓
7. A) Simultaneous localization and mapping
8. B) System localization and mapping
9. B) Holography ✓
10. A) Holography ✓
11. C) Head mounted Display.
12. A) True ✓
13. B) Motion Trackers ✓
14. B) Binary omni - Orientation manager.
15. C) GUI ✓
16. C) HMD ✓
17. B) Richness.
18. B) Semi Immersed
19. A) Immersive ✓
20. C) Non Immersive.
21. A) Memory control.
22. C) Structured way.
23. C) count over write
24. B) less memory used
25. B) Echo (1)

19  
25



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Mcq

21  
25

Madhavan S  
811218104014  
II CSE

- 1) A) ML ✓
- 2) b) false ✓
- 3) A) AR ✓
- 4) A) AI ✓
- 5) c) HMD ✓
- 6) b) Helmet ✓
- 7) a) Location based ✓
- 8) a) system localization and maintenance ✓
- 9) c) cryptography ✓
- 10) A) Holograph ✓
- 11) c) Head mounted Display ✓
- 12) A) True ✓
- 13) A) motion analyzer ✓
- 14) b) binary omni-orientation manager ✓
- 15) c) GUI ✓
- 16) c) HMD ✓
- 17) b) Richness ✓
- 18) A) Immersive ✓
- 19) A) Immersive ✓
- 20) c) Non-Immersive ✓
- 21) A) Memory Control? ✓
- 22) c. structure way ✓
- 23) c. count overwrite ✓
- 24) B. less recently used ✓
- 25) B. echo ( ) ✓

  
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Department of Computer Science and Engineering

Academic Year 2019-2020 – ~~EVEN~~ Semester

VALUE ADDED COURSE ASSESSMENT SHEET

**“AGUMENTED REALITY AND VIRTUAL REALITY”**

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| S.No. | Reg.No       | Student's Name  | Year/<br>Branch | Attendance Details     |                                | VAC-MCQ TEST                |                         | OVERALL<br>MARK(100)<br>(50% of A +<br>50% of B) |
|-------|--------------|-----------------|-----------------|------------------------|--------------------------------|-----------------------------|-------------------------|--------------------------------------------------|
|       |              |                 |                 | No. of Hrs<br>Attended | Attendance<br>Mark(100)<br>(A) | No of<br>Correct<br>Answers | MCQ<br>Mark(100)<br>(B) |                                                  |
| 1     | 811218104001 | AISHWARYA M     | II CSE          | 30                     | 100                            | 20                          | 80                      | 90                                               |
| 2     | 811218104002 | AJITH KUMAR R   | II CSE          | 29                     | 83                             | 15                          | 60                      | 72                                               |
| 3     | 811218104003 | ARAVINDH SAMY P | II CSE          | 30                     | 100                            | 19                          | 76                      | 88                                               |
| 4     | 811218104004 | ARJUN V         | II CSE          | 30                     | 100                            | 22                          | 88                      | 94                                               |
| 5     | 811218104005 | DHARSHINI A     | II CSE          | 28                     | 92                             | 18                          | 72                      | 82                                               |
| 6     | 811218104006 | DINESH KUMAR K  | II CSE          | 28                     | 92                             | 17                          | 68                      | 80                                               |
| 7     | 811218104007 | GOWTHAM K       | II CSE          | 30                     | 100                            | 18                          | 72                      | 86                                               |
| 8     | 811218104008 | HARIHARAN N     | II CSE          | 30                     | 83                             | 17                          | 68                      | 76                                               |



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|    |              |                     |        |    |     |    |    |    |
|----|--------------|---------------------|--------|----|-----|----|----|----|
| 9  | 811218104009 | HEMA LATHA B        | II CSE | 30 | 92  | 16 | 64 | 78 |
| 10 | 811218104010 | JEGATHISWARI D      | II CSE | 27 | 92  | 16 | 64 | 78 |
| 11 | 811218104011 | JOSHI DAYANA K      | II CSE | 27 | 100 | 20 | 80 | 90 |
| 12 | 811218104012 | KANAGARAJ K S       | II CSE | 27 | 92  | 20 | 80 | 86 |
| 13 | 811218104013 | KIRUTHIGA V         | II CSE | 30 | 100 | 22 | 88 | 94 |
| 14 | 811218104014 | MADHAVAN S          | II CSE | 30 | 100 | 21 | 80 | 80 |
| 15 | 811218104015 | MAHENDRAN S         | II CSE | 30 | 92  | 19 | 76 | 84 |
| 16 | 811218104017 | MUTHAIYA P          | II CSE | 30 | 92  | 19 | 76 | 84 |
| 17 | 811218104018 | NEETHIMOZHI A       | II CSE | 28 | 100 | 20 | 80 | 90 |
| 18 | 811218104019 | NITHYA P            | II CSE | 30 | 83  | 16 | 64 | 74 |
| 19 | 811218104020 | NIVEDHA S           | II CSE | 30 | 83  | 16 | 64 | 74 |
| 20 | 811218104021 | PRIYANGA G          | II CSE | 28 | 100 | 22 | 88 | 94 |
| 21 | 811218104022 | RAMYA R             | II CSE | 28 | 92  | 18 | 72 | 82 |
| 22 | 811218104023 | SHARVESH CHARAN.S.A | II CSE | 28 | 100 | 22 | 88 | 94 |
| 23 | 811218104024 | SATHASIVAM P        | II CSE | 27 | 100 | 22 | 88 | 94 |
| 24 | 811218104026 | SHALINI P           | II CSE | 30 | 92  | 20 | 80 | 86 |



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|    |              |                   |         |    |     |    |    |    |
|----|--------------|-------------------|---------|----|-----|----|----|----|
| 25 | 811218104027 | SHANMUGANATHAN P  | II CSE  | 30 | 92  | 19 | 76 | 84 |
| 26 | 811218104028 | SHEELA.S          | II CSE  | 27 | 100 | 20 | 80 | 90 |
| 27 | 811218104029 | SUDHAKARAN C      | II CSE  | 30 | 83  | 19 | 64 | 74 |
| 28 | 811218104030 | SUGASINI G        | II CSE  | 30 | 83  | 19 | 64 | 74 |
| 29 | 811218104031 | VAISHNAVI G       | II CSE  | 30 | 100 | 22 | 88 | 94 |
| 30 | 811218104032 | VIGNA SRI S       | II CSE  | 28 | 92  | 18 | 72 | 82 |
| 31 | 811218104033 | VIJAYA DHARANI K  | II CSE  | 28 | 100 | 22 | 88 | 94 |
| 32 | 811218104034 | VINOTHINI S       | II CSE  | 30 | 100 | 22 | 88 | 94 |
| 33 | 811218104501 | SIVASANGARI C     | II CSE  | 30 | 92  | 20 | 80 | 86 |
| 34 | 811217104001 | AARTHI J          | III/CSE | 28 | 92  | 20 | 80 | 86 |
| 35 | 811217104002 | DEEPIKA N         | III/CSE | 28 | 100 | 22 | 88 | 94 |
| 36 | 811217104003 | DHANALAKSHMI R    | III/CSE | 28 | 92  | 20 | 80 | 86 |
| 37 | 811217104004 | GOATHAR FATHIMA S | III/CSE | 30 | 92  | 20 | 80 | 86 |
| 38 | 811217104005 | GOWTHAM RAAJ K    | III/CSE | 30 | 100 | 22 | 88 | 94 |
| 39 | 811217104007 | JAYA PRATHA A     | III/CSE | 30 | 92  | 20 | 80 | 86 |
| 40 | 811217104008 | JICKSON S         | III/CSE | 25 | 92  | 20 | 80 | 86 |



# Indra Ganesan

COLLEGE OF ENGINEERING  
Madurai Main Road (NH-45B), Manikandam, Trichy-12.  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

*(Signature)*

M. G. Balakrishnan, M.E., Ph.D.,  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.

|    |              |                   |         |    |     |    |    |    |
|----|--------------|-------------------|---------|----|-----|----|----|----|
| 41 | 811217104009 | KAMATCHI V        | III/CSE | 30 | 100 | 22 | 88 | 94 |
| 42 | 811217104010 | KOKILA V          | III/CSE | 27 | 92  | 20 | 80 | 86 |
| 43 | 811217104011 | LAKSHMI PRIYA M   | III/CSE | 27 | 92  | 20 | 80 | 86 |
| 44 | 811217104012 | NAVEEN R          | III/CSE | 27 | 92  | 20 | 80 | 86 |
| 45 | 811217104013 | PANNEER SELVAM R  | III/CSE | 30 | 100 | 22 | 88 | 94 |
| 46 | 811217104014 | PRINCY DEEPA X    | III/CSE | 30 | 92  | 20 | 80 | 86 |
| 47 | 811217104015 | RAGHUL L          | III/CSE | 30 | 92  | 20 | 80 | 86 |
| 48 | 811217104016 | SALMA BANU M      | III/CSE | 29 | 100 | 22 | 88 | 94 |
| 50 | 811217104017 | SEEBIKA M         | III/CSE | 29 | 92  | 20 | 80 | 86 |
| 51 | 811217104019 | SIVASANKAR S      | III/CSE | 29 | 92  | 20 | 80 | 86 |
| 52 | 811217104020 | SWATHI M          | III/CSE | 27 | 100 | 22 | 88 | 94 |
| 53 | 811217104022 | VASUKI M          | III/CSE | 27 | 92  | 20 | 80 | 86 |
| 54 | 811217104023 | YOKESH KANNAN P H | III/CSE | 27 | 92  | 20 | 80 | 86 |
| 55 | 811216104002 | ANJALADEVI J      | IV/CSE  | 27 | 92  | 20 | 80 | 86 |
| 56 | 811216104003 | APARNA S          | IV/CSE  | 28 | 92  | 20 | 80 | 86 |
| 57 | 811216104004 | ARCHANA T         | IV/CSE  | 28 | 100 | 22 | 88 | 94 |



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|    |              |                     |        |    |     |    |    |    |
|----|--------------|---------------------|--------|----|-----|----|----|----|
| 58 | 811216104005 | BAKKIYA V           | IV/CSE | 28 | 92  | 20 | 80 | 86 |
| 59 | 811216104007 | BANUMATHI D         | IV/CSE | 30 | 92  | 20 | 80 | 86 |
| 60 | 811216104008 | DHANUSH S           | IV/CSE | 30 | 92  | 20 | 80 | 86 |
| 61 | 811216104009 | DHIVYA B            | IV/CSE | 29 | 92  | 16 | 64 | 78 |
| 62 | 811216104010 | DIVYA R             | IV/CSE | 29 | 92  | 16 | 64 | 78 |
| 63 | 811216104011 | GANESHKUMAR A       | IV/CSE | 29 | 100 | 20 | 80 | 90 |
| 64 | 811216104012 | GOBALA KRISHNAN R   | IV/CSE | 29 | 92  | 20 | 80 | 86 |
| 65 | 811216104013 | GUNASEKAR P         | IV/CSE | 28 | 100 | 22 | 88 | 94 |
| 66 | 811216104014 | JOTHIKA R           | IV/CSE | 28 | 92  | 17 | 68 | 80 |
| 67 | 811216104015 | KARTHIKEYAN J       | IV/CSE | 30 | 92  | 19 | 76 | 84 |
| 68 | 811216104016 | KEERTHANA K         | IV/CSE | 29 | 92  | 19 | 76 | 84 |
| 69 | 811216104017 | KEERTHANA P(490725) | IV/CSE | 29 | 100 | 20 | 80 | 90 |
| 70 | 811216104018 | KIRUBAKARAN M       | IV/CSE | 30 | 83  | 16 | 64 | 74 |
| 71 | 811216104019 | KIRUTHIKA R         | IV/CSE | 30 | 83  | 16 | 64 | 74 |
| 72 | 811216104020 | MEENAKSHI S         | IV/CSE | 28 | 100 | 22 | 88 | 94 |
| 73 | 811216104021 | NAVEEN K            | IV/CSE | 28 | 92  | 18 | 72 | 82 |



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L. G. Balakrishnan  
Principal  
Indra Ganesan College of Engineering,  
Manikandam, Trichy-12.

|    |              |                  |        |    |     |    |    |    |
|----|--------------|------------------|--------|----|-----|----|----|----|
| 74 | 811216104022 | NAVEENKUMAR S    | IV/CSE | 28 | 92  | 16 | 64 | 78 |
| 75 | 811216104023 | NEROSON KIOSUS N | IV/CSE | 28 | 92  | 16 | 64 | 78 |
| 76 | 811216104024 | PAVITHRA.G       | IV/CSE | 28 | 100 | 20 | 80 | 90 |
| 77 | 811216104026 | PAVITHRA.R       | IV/CSE | 29 | 92  | 20 | 80 | 86 |
| 78 | 811216104027 | PRABAHAR R       | IV/CSE | 30 | 100 | 22 | 88 | 94 |
| 79 | 811216104028 | RACIKA R         | IV/CSE | 30 | 92  | 17 | 68 | 80 |
| 80 | 811216104029 | RAHUL S          | IV/CSE | 30 | 92  | 19 | 76 | 84 |
| 81 | 811216104030 | REVATHI N        | IV/CSE | 27 | 92  | 19 | 76 | 84 |
| 82 | 811216104031 | SARANYA A        | IV/CSE | 27 | 100 | 20 | 80 | 90 |
| 83 | 811216104032 | SARANYA M        | IV/CSE | 30 | 83  | 16 | 64 | 74 |
| 84 | 811216104033 | SARAVANAN M      | IV/CSE | 30 | 83  | 16 | 64 | 74 |
| 85 | 811216104034 | SHARUN PRABU A   | IV/CSE | 27 | 100 | 22 | 88 | 94 |
| 86 | 811216104035 | SOUNDHARYA J     | IV/CSE | 28 | 92  | 18 | 72 | 82 |
| 87 | 811216104036 | TAMILSELVAM M    | IV/CSE | 28 | 92  | 16 | 64 | 78 |
| 88 | 811216104038 | THARIK A         | IV/CSE | 29 | 92  | 16 | 64 | 78 |
| 89 | 811216104039 | VARSHA S         | IV/CSE | 29 | 100 | 20 | 80 | 90 |



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*(Signature)*

Dr. G. Balakrishnan  
P.  
Indra Ganesan C.  
IG Valley, Man.  
Manikandam, Tr.

|    |              |                     |        |    |     |    |    |    |
|----|--------------|---------------------|--------|----|-----|----|----|----|
| 90 | 811216104040 | VIGNESHWARACHARI S  | IV/CSE | 29 | 92  | 16 | 64 | 78 |
| 91 | 811216104041 | VIJAYALAKSHMI M     | IV/CSE | 27 | 100 | 20 | 80 | 90 |
| 92 | 811216104042 | VIJAYALAKSHMI P     | IV/CSE | 27 | 92  | 20 | 80 | 86 |
| 93 | 811216104043 | VINITHA M           | IV/CSE | 30 | 100 | 22 | 88 | 94 |
| 94 | 811216104044 | VINITHA DEVI P      | IV/CSE | 30 | 92  | 17 | 68 | 80 |
| 95 | 811216104045 | YOGESHWARAN S       | IV/CSE | 27 | 92  | 19 | 76 | 84 |
| 96 | 811216104046 | YUVASRI T           | IV/CSE | 28 | 92  | 19 | 76 | 84 |
| 97 | 811218405001 | ASWINI M            | II/ME  | 28 | 100 | 20 | 80 | 90 |
| 98 | 811218405002 | GWENDOLYN ROSETTA G | II/ME  | 29 | 83  | 16 | 64 | 74 |
| 99 | 811218405004 | NIRMALA N           | II/ME  | 29 | 83  | 16 | 64 | 74 |

*(Signature)*  
VAC Coordinator

*(Signature)*  
HoD/CSE



# Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli- 620 012  
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## Report on Value Added Course

Title: **AGUMENTED REALITY AND VIRTUAL REALITY**

Resource Person: **Mrs. Sankari**  
**Flink Technologies,**  
**Kumbakonam**

Date of conduct from : **22.06.2020** To: **26.06.2020** Duration: **30 Hours**

Organized Department : **COMPUTER SCIENCE AND ENGINEERING**

Participant Year: **CSE IV,III,II, and M.E-II** No. of Students Registered : **99**

Venue: **online mode Google Meet: meet.google.com/22.06.2020 to 26.06.2020**

### Outcome of Value Added Course (VAC): At the end of the Course, Students can able to

- Transform textbooks or learning materials into interactive 3D models through AR.
- Access additional information about their surroundings in real-time through AR
- Provide real-time navigation guidance by overlaying directional arrows or information onto the user's view.
- Enable users to watch 360-degree videos.
- Create immersive gaming experiences where users can feel fully immersed in virtual worlds.

### Assessment Process

- Students, who are securing **more than 60% on total score** and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted
- Total Score =  $(0.5 * \text{Attendance in VAC out of 100 percentage} + 0.5 * \text{Test mark in VAC out of 100 marks})$

  
VAC Coordinator

  
HoD/CSE

  
Principal



Dr. G. Balakrishnan, M.E., Ph.D.,  
Principal

Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.



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COLLEGE OF ENGINEERING  
Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli- 620 012  
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## Report on Value Added Course

Title: **AGUMENTED REALITY AND VIRTUAL REALITY**

Resource Person: **Mrs. Sankari, Project Manager  
Flink Technologies, Kumbakonam**

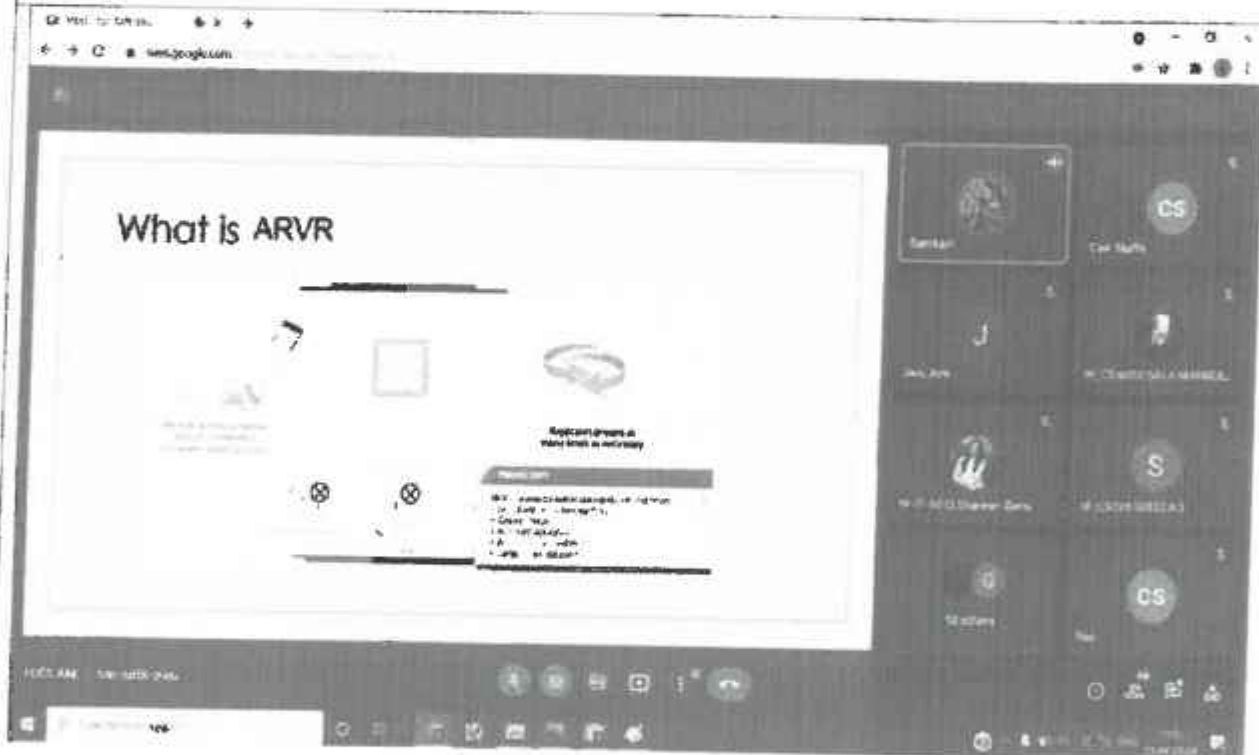
Date of conduct from : **22.06.2020** To: **26.06.2020** Duration: **30 Hours**

Organized Department : **COMPUTER SCIENCE AND ENGINEERING**

Participant Year: **CSE IV, III, II, and M.E-II** No. of Students Registered : **99**

Venue: **online mode Google Meet: meet.google.com/22.06.2020 to 26.06.2020**

### Sample Photo



*T. Sankari*  
**VAC Coordinator**

*D. Sreedhar*  
**HoD/CSE**

*[Signature]*  
**Principal**

*[Signature]*  
**Dr. G. Bulakrishnan, M.E., Ph.D.,**  
**Principal**  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.



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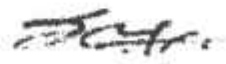


### CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. .... **MEENAKSHI S** ..... of  
..... **IV YEAR CSE** ..... has successfully completed the Value Added Course on  
**AGUMENTED REALITY AND VIRTUAL REALITY** organized by Department of Computer  
Science and Engineering and IQAC of our Institution in Association with Flink Technologies from  
22<sup>nd</sup> Jun 2020 TO 26<sup>th</sup> Jun 2020 during the Academic Year 2019-2020.

  
**Flink Technologies**  
**Mrs. Sankari, Project Manager**

  
**Dr. G. Balakrishnan, M.E., Ph.D.,**  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-530 012

  
**Principal**  
**IGCE**



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### CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **RAGHUL L** of  
..... **III YEAR CSE** ..... has successfully completed the Value Added Course on  
**AGUMENTED REALITY AND VIRTUAL REALITY** organized by Department of Computer  
Science and Engineering and IQAC of our Institution in Association with Flink Technologies from  
22<sup>nd</sup> Jun 2020 TO 26<sup>th</sup> Jun 2020 during the Academic Year 2019-2020.

**Flink Technologies**  
**Mrs. Sankari, Project Manager**

Dr. G. Balakrishnan, M.E., Ph.D.,  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.

  
**Principal**  
**IGCE**



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### CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **JEGATHISWARI D** of  
**II YEAR CSE** ..... has successfully completed the Value Added Course on  
**AGUMENTED REALITY AND VIRTUAL REALITY** organized by Department of Computer  
Science and Engineering and IQAC of our Institution in Association with Flink Technologies from  
22<sup>nd</sup> Jun 2020 TO 26<sup>th</sup> Jun 2020 during the Academic Year 2019-2020.

  
**Flink Technologies**  
**Mrs. Sankari, Project Manager**

  
**Dr. G. Balakrishnan, M.E., Ph.D.,**  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012

  
**Principal**  
**IGCE**