



Indra Ganesan

COLLEGE OF ENGINEERING

Approved by - AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NAAC with 'B+' Grade, 2(I) & 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





Criteria2

Teaching-Learning and Evaluation

350

KeyIndicator-2.3.Teaching-Learning Process(40)

2018-2019

PARTICIPATIVE LEARNING

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

| Activity | Number of Students Attended | Page No. |
|--------------------------------|-----------------------------|----------|
| Value Added Course(VAC) | 230 | 3 |
| TOTAL STUDENTS ATTENDED | 230 | - |



KeyIndicator-2.3.Teaching-LearningProcess(40)

2018-2019

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

PARTICIPATIVE LEARNING

VALUE ADDED

COURSE



Indra Ganesan

COLLEGE OF ENGINEERING
Madurai Main Road (NH-458), Manikandam, Trichy District - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Department of Computer Science & Engineering

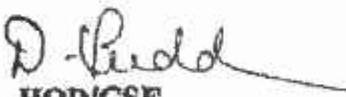
Academic Year 2018-2019 – Odd Semester

11.12.2018

DEPARTMENT CIRCULAR

Department of Computer Science and Engineering IGCE in association with Blue Fire Xperts Infotech OPC Pvt Ltd is going to organized Value Added Course for BE- II,III,IV and M.E First, Second year students on "Data Mining" from 17.12.18 to 22.12.18. 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 | 1. Mr. A.R.Sooriyaoli, Managing Director, Blue Fire Xperts Infotech OPC Pvt Ltd, Trichy, 2. Mr. V.Roshan Trainer Blue Fire Xperts Infotech OPC Pvt Ltd, Trichy |
| Venue 1 | SD LAB |
| Venue 2 | NETWORK LAB |


HOD/CSE


PRINCIPAL

Cc:

- Principal Office
- HoD/CSE
- Class In charges - II, III, IV & ME I, II
- II, III & IV-Year PG CSE Students
- Office File
- Notice Board


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
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IG Valley, Madurai Main Road
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Indra Ganesan

COLLEGE OF ENGINEERING
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Department of Computer Science & Engineering

Academic Year 2018-2019 – Odd Semester

Value Added Course on

“Data Mining”

SYLLABUS

| S.NO | TOPIC COVERED | DURATION (in hours) | DATE |
|------|---|------------------------|----------|
| 1 | INTRODUCTION <ul style="list-style-type: none">➤ What is data mining?➤ Related technologies - Machine Learning, DBMS, OLAP, Statistics➤ Data Mining Goals➤ Stages of the Data Mining Process➤ Data Mining Techniques➤ Knowledge Representation Methods➤ Applications➤ Example: weather data | 3 | 17.12.18 |
| 2 | Data Warehouse and OLAP <ul style="list-style-type: none">➤ Data Warehouse and DBMS➤ Multidimensional data model➤ OLAP operations➤ Example: loan data set | 3 | 17.12.18 |
| 3 | Data preprocessing <ul style="list-style-type: none">➤ Data cleaning➤ Data reduction➤ Installing Weka 3 Data Mining System➤ Experiments with Weka - filters, discretization | 3 | 18.12.18 |
| 4 | Data mining knowledge representation <ul style="list-style-type: none">➤ Task relevant data | 3 | 18.12.18 |

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Department of Computer Science & Engineering

Academic Year 2018-2019 – Odd Semester

| | | | |
|---|---|---|----------|
| | <ul style="list-style-type: none">➤ Background knowledge➤ Interestingness measures➤ Representing input data and output knowledge➤ Visualization techniques➤ Experiments with Weka - visualization | | |
| 5 | Attribute-oriented analysis <ul style="list-style-type: none">➤ Attribute generalization➤ Attribute relevance➤ Class comparison➤ Statistical measures➤ Experiments with Weka - using filters and statistics | 3 | 19.12.18 |
| 6 | Data mining algorithms: Association rules <ul style="list-style-type: none">➤ Motivation and terminology➤ Example: mining weather data➤ Basic idea: item sets➤ Generating item sets and rules efficiently➤ Correlation analysis➤ Experiments with Weka - mining association rules | 3 | 19.12.18 |
| 7 | MULTITHREADING <ul style="list-style-type: none">➤ Multi-tasking Vs Multithreading➤ Life Cycle of Thread Java.lang.thread Vs Java.lang.runnable➤ Developing Multithreaded Applications➤ Synchronization➤ Dead-Lock➤ Inter-thread communication | 3 | 20.12.18 |
| 8 | Data mining algorithms: Classification <ul style="list-style-type: none">➤ Basic learning/mining tasks➤ Inferring rudimentary rules: 1R algorithm➤ Decision trees➤ Covering rules | 5 | 20.12.18 |

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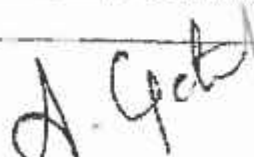
COLLEGE OF ENGINEERING

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Department of Computer Science & Engineering

Academic Year 2018-2019 – Odd Semester

| | | | |
|--------------------|---|----|----------|
| | <ul style="list-style-type: none">➤ Experiments with Weka - decision trees, rules | | |
| 9 | Data mining algorithms: Prediction <ul style="list-style-type: none">➤ The prediction task➤ Statistical (Bayesian) classification➤ Bayesian networks➤ Instance-based methods (nearest neighbor)➤ Linear models➤ Experiments with Weka - Prediction | 4 | 21.12.18 |
| 10 | Clustering <ul style="list-style-type: none">➤ Basic issues in clustering➤ First conceptual clustering system: Cluster/2➤ Partitioning methods: k-means, expectation maximization (EM)➤ Hierarchical methods: distance-based agglomerative and divisible clustering➤ Conceptual clustering: Cobweb➤ Experiments with Weka - k-means, EM, Cobweb | 5 | 22.12.18 |
| 11 | Exam | 1 | 22.12.18 |
| Total Hours | | 36 | - |


VAC Coordinator


HoD/CSE


Dr. G. Balakrishnan, M.Sc., Ph.D.,
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Department of Computer Science & Engineering

Academic Year 2018-2019 – Odd Semester

Value Added Course

Data Mining

STUDENTS PARTICIPATION LIST

| S.No. | Reg.No | Student's Name | Year/ Branch |
|-------|--------------|-------------------|--------------|
| 1. | 811215104001 | Abhinaya. R | IV/CSE |
| 2. | 811215104002 | Abirami.A | IV/CSE |
| 3. | 811215104003 | Apporvavalli.A | IV/CSE |
| 4. | 811215104004 | Aravinth.B | IV/CSE |
| 5. | 811215104005 | Balaji.G | IV/CSE |
| 6. | 811215104006 | Balaji.G | IV/CSE |
| 7. | 811215104007 | Barani Kumar.M | IV/CSE |
| 8. | 811215104009 | Denima.A | IV/CSE |
| 9. | 811215104010 | Dhurga Devi.M | IV/CSE |
| 10. | 811215104013 | Giridharani.S | IV/CSE |
| 11. | 811215104014 | Gokila.R | IV/CSE |
| 12. | 811215104015 | Gomathi.A | IV/CSE |
| 13. | 811215104016 | Hema.P | IV/CSE |
| 14. | 811215104017 | Hemasivasankari.S | IV/CSE |
| 15. | 811215104018 | Indhu.S | IV/CSE |
| 16. | 811215104019 | Indira.K.J | IV/CSE |
| 17. | 811215104020 | Kanaga Raj.P | IV/CSE |
| 18. | 811215104021 | Keerthana.R.R | IV/CSE |
| 19. | 811215104022 | Keerthana.S | IV/CSE |
| 20. | 811215104023 | Mani Kandan.A | IV/CSE |
| 21. | 811215104024 | Mani Kandan.P | IV/CSE |
| 22. | 811215104025 | Meena.A | IV/CSE |
| 23. | 811215104026 | Murali.S | IV/CSE |
| 24. | 811215104027 | Narkis Banu.A | IV/CSE |
| 25. | 811215104028 | Nirosha.K | IV/CSE |


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Department of Computer Science & Engineering

Academic Year 2018-2019 – Odd Semester

| S.No. | Reg.No | Student's Name | Year/ Branch |
|-------|--------------|---------------------|--------------|
| 26. | 811215104029 | Pradeep.T | IV/CSE |
| 27. | 811215104030 | Praveen Kumar.V | IV/CSE |
| 28. | 811215104031 | Prem Kumar.N | IV/CSE |
| 29. | 811215104032 | Priya.M | IV/CSE |
| 30. | 811215104033 | Priyanga.P | IV/CSE |
| 31. | 811215104034 | Rajmohan.V | IV/CSE |
| 32. | 811215104035 | Ramalakshmi.M | IV/CSE |
| 33. | 811215104036 | Ranya.K | IV/CSE |
| 34. | 811215104037 | Roselin Lithveena.J | IV/CSE |
| 35. | 811215104038 | Sangeetha.I | IV/CSE |
| 36. | 811215104039 | Saranya.M | IV/CSE |
| 37. | 811215104040 | Shabika Banu.B | IV/CSE |
| 38. | 811215104041 | Subashree.M | IV/CSE |
| 39. | 811215104042 | Subathradevi.C | IV/CSE |
| 40. | 811215104043 | Suganya.S | IV/CSE |
| 41. | 811215104044 | Subashini.R | IV/CSE |
| 42. | 811215104047 | Yogapriya.B | IV/CSE |
| 43. | 811215104301 | Annalakshmi.G | IV/CSE |
| 44. | 811215104302 | Rangeela.T | IV/CSE |
| 45. | 811216104002 | Anjaladevi J | III/CSE |
| 46. | 811216104003 | Aparna S | III/CSE |
| 47. | 811216104004 | Archana T | III/CSE |
| 48. | 811216104005 | Bakkiya V | III/CSE |
| 49. | 811216104007 | Banumathi D | III/CSE |
| 50. | 811216104008 | Dhanush S | III/CSE |
| 51. | 811216104009 | Dhivya B | III/CSE |
| 52. | 811216104010 | Divya R | III/CSE |
| 53. | 811216104011 | Ganeshkumar A | III/CSE |
| 54. | 811216104012 | Gobala Krishnan R | III/CSE |
| 55. | 811216104013 | Gunasekar P | III/CSE |
| 56. | 811216104014 | Jothika R | III/CSE |
| 57. | 811216104015 | Karthikeyan J | III/CSE |

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Department of Computer Science & Engineering

Academic Year 2018-2019 – Odd Semester

| S.No. | Reg.No | Student's Name | Year/ Branch |
|-------|--------------|--------------------|--------------|
| 58. | 811216104016 | Keerthana K | III/CSE |
| 59. | 811216104017 | Keerthana P | III/CSE |
| 60. | 811216104018 | Kirubakaran M | III/CSE |
| 61. | 811216104019 | Kiruthika R | III/CSE |
| 62. | 811216104020 | Meenakshi S | III/CSE |
| 63. | 811216104021 | Naveen K | III/CSE |
| 64. | 811216104022 | Naveenkumar S | III/CSE |
| 65. | 811216104023 | Neroson Kious N | III/CSE |
| 66. | 811216104024 | Pavithra G | III/CSE |
| 67. | 811216104026 | Pavithra R | III/CSE |
| 68. | 811216104027 | Prabakar R | III/CSE |
| 69. | 811216104028 | Racika R | III/CSE |
| 70. | 811216104029 | Rahul S | III/CSE |
| 71. | 811216104030 | Revathi N | III/CSE |
| 72. | 811216104031 | Saranya A | III/CSE |
| 73. | 811216104032 | Saranya M | III/CSE |
| 74. | 811216104033 | Saravanan M | III/CSE |
| 75. | 811216104034 | Sharun Prabu A | III/CSE |
| 76. | 811216104035 | Soundharya J | III/CSE |
| 77. | 811216104036 | Tamilselvam M | III/CSE |
| 78. | 811216104038 | Tharik A | III/CSE |
| 79. | 811216104039 | Varsha S | III/CSE |
| 80. | 811216104040 | Vigneshwarachari S | III/CSE |
| 81. | 811216104041 | Vijayalakshmi M | III/CSE |
| 82. | 811216104042 | Vijayalakshmi P | III/CSE |
| 83. | 811216104043 | Vinitha M | III/CSE |
| 84. | 811216104044 | Vinitha Devi P | III/CSE |
| 85. | 811216104045 | Yogeshwaran S | III/CSE |
| 86. | 811216104046 | Yuvasri T | III/CSE |
| 87. | 811217104001 | Aarthi J | II/CSE |
| 88. | 811217104002 | Deepika N | II/CSE |
| 89. | 811217104003 | Dhanalakshmi R | II/CSE |


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Department of Computer Science & Engineering

Academic Year 2018-2019 – Odd Semester

| S.No. | Reg.No | Student's Name | Year/ Branch |
|-------|--------------|---------------------|--------------|
| 90. | 811217104004 | Goadhar Fathima S | II/CSE |
| 91. | 811217104005 | Gowtham Raaj K | II/CSE |
| 92. | 811217104007 | Jeya Pratha A | II/CSE |
| 93. | 811217104008 | Jickson S | II/CSE |
| 94. | 811217104009 | Kamatchi V | II/CSE |
| 95. | 811217104010 | Kokila V | II/CSE |
| 96. | 811217104011 | Lakshmi Priya M | II/CSE |
| 97. | 811217104012 | Naveen R | II/CSE |
| 98. | 811217104013 | Panneer Selvam R | II/CSE |
| 99. | 811217104014 | Princy Deepa X | II/CSE |
| 100. | 811217104015 | Raghul L | II/CSE |
| 101. | 811217104016 | Salma Banu M | II/CSE |
| 102. | 811217104017 | Seebika M | II/CSE |
| 103. | 811217104019 | Siva Sankari S | II/CSE |
| 104. | 811217104020 | Swathi M | II/CSE |
| 105. | 811217104022 | Vasuki M | II/CSE |
| 106. | 811217104023 | Yogesh Kamran P H | II/CSE |
| 107. | 811217405001 | Padmadevi A | II/M.E CSE |
| 108. | 811217405002 | Panimalar V | II/M.E CSE |
| 109. | 811217405003 | Sankari R | II/M.E CSE |
| 110. | 811217405004 | Shanmuga Priya M | II/M.E CSE |
| 111. | 811217405005 | Suganya A | II/M.E CSE |
| 112. | 811218405001 | Aswini. M | I/M.E CSE |
| 113. | 811218405002 | Gwendolyn Rosetta.G | I/M.E CSE |
| 114. | 811218405003 | Harish.V | I/M.E CSE |
| 115. | 811218405004 | Nirmala.N | I/M.E CSE |

A. Gopal
M.C Coordinator

D. Reddy
HoD/CSE

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Academic Year 2018-2019 – Odd Semester

STUDENTS ATTENDANCE LIST

Value Added Course

Data Mining

Dr. G. Balakrishnan, M.E., Ph.D.,
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| S.No. | Reg.No | Student's Name | Year/ Branch | 17.12.18 | | 18.12.18 | | 19.12.18 | | 20.12.18 | | 21.12.18 | | 22.12.18 | | NO OF SESSIONS ATTENDED | SIGNATURE OF THE STUDENT |
|-------|--------------|-------------------|-----------------|----------|----|----------|----|----------|----|----------|----|----------|----|----------|----|-------------------------------|--------------------------------|
| | | | | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN | | |
| 1. | 811215104001 | Abhinaya. R | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | 12 | R. Abhinaya | |
| 2. | 811215104002 | Abirami.A | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | 12 | A. Abirami | |
| 3. | 811215104003 | Apporvavalli.A | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | 12 | A. Apporvavalli | |
| 4. | 811215104004 | Aravinth.B | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | 12 | B. Aravinth | |
| 5. | 811215104005 | Balaji.G | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | 12 | G. Balaji | |
| 6. | 811215104006 | Balaji.G | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | 12 | G. Balaji | |
| 7. | 811215104007 | Barani Kumar.M | IV/CSE | P | P | P | P | P | P | P | A | A | P | P | 10 | M. Barani | |
| 8. | 811215104009 | Denima.A | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | 12 | A. Denima | |
| 9. | 811215104010 | Dhurga Devi.M | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | 12 | M. Dhurga Devi | |
| 10. | 811215104013 | Giridharani.S | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | 12 | S. Giridharani | |
| 11. | 811215104014 | Gokila.R | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | 12 | R. Gokila | |
| 12. | 811215104015 | Gomathi.A | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | 12 | A. Gomathi | |
| 13. | 811215104016 | Hema.P | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | 12 | P. Hema | |
| 14. | 811215104017 | Hemasivasankari.S | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | 12 | S. Hemasivasankari | |



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Department of Computer Science & Engineering

Academic Year 2018-2019 – Odd Semester

| | | | | | | | | | | | | | | | | | |
|-----|--------------|---------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|----|----------------------|
| 15. | 811215104018 | Indhu.S | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | S. Indhu |
| 16. | 811215104019 | Indira.K.J | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | K.J. Indira |
| 17. | 811215104020 | Kanaga Raj.P | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | P. Kanaga |
| 18. | 811215104021 | Keerthana.R.R | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | R.R. Keerthana |
| 19. | 811215104022 | Keerthana.S | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | S. Keerthana |
| 20. | 811215104023 | Mani Kandan.A | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | A. Mani Kandan |
| 21. | 811215104024 | Mani Kandan.P | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | P. Mani Kandan |
| 22. | 811215104025 | Meena.A | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | A. Meena |
| 23. | 811215104026 | Murali.S | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | S. Murali |
| 24. | 811215104027 | Narkis Banu.A | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | A. Narkis Banu |
| 25. | 811215104028 | Nirosha.K | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | K. Nirosha |
| 26. | 811215104029 | Pradeep.T | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 10 | T. Pradeep |
| 27. | 811215104030 | Praveen Kumar.V | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | V. Praveen Kumar |
| 28. | 811215104031 | Prem Kumar.N | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | N. Prem Kumar |
| 29. | 811215104032 | Priya.M | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | M. Priya |
| 30. | 811215104033 | Priyanga.P | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | P. Priyanga |
| 31. | 811215104034 | Rajmohan.V | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | V. Rajmohan |
| 32. | 811215104035 | Ramalakshmi.M | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | M. Ramalakshmi |
| 33. | 811215104036 | Ramya.K | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 11 | K. Ramya |
| 34. | 811215104037 | Roselin Lithvoena.J | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | J. Roselin Lithvoena |
| 35. | 811215104038 | Sangeetha.I | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | I. Sangeetha |



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Department of Computer Science & Engineering

Academic Year 2018-2019 – Odd Semester

| | | | | | | | | | | | | | | | | | |
|-----|--------------|--------------------|---------|---|---|---|---|---|---|---|---|---|---|---|---|----|--------------------|
| 78. | 811216104038 | Tharik A | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Tharik |
| 79. | 811216104039 | Varsha S | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | S. Varsha |
| 80. | 811216104040 | Vigneshwarachari S | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | S. Vignesh |
| 81. | 811216104041 | Vijayalakshmi M | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | M. Vijayalakshmi |
| 82. | 811216104042 | Vijayalakshmi P | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | P. Vijayalakshmi |
| 83. | 811216104043 | Vinitha M | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | M. Vinitha |
| 84. | 811216104044 | Vinitha Devi P | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | P. Vinitha Devi |
| 85. | 811216104045 | Yogeshwaran S | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | S. Yogeshwaran |
| 86. | 811216104046 | Yuvasri T | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | T. Yuvasri |
| 87. | 811217104001 | Aarthi J | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | J. Arthi |
| 88. | 811217104002 | Deepika N | II/CSE | P | P | A | A | P | P | P | P | P | P | P | P | 12 | N. Deepika |
| 89. | 811217104003 | Dhanalakshmi R | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 10 | R. Dhanalakshmi |
| 90. | 811217104004 | Goadhar Fathima S | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | S. Goadhar Fathima |
| 91. | 811217104005 | Gowtham Raaj K | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | K. Gowtham Raaj |
| 92. | 811217104007 | Jeya Pratha A | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | A. Jeya Pratha |
| 93. | 811217104008 | Jickson S | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | S. Jickson |
| 94. | 811217104009 | Kamatchi V | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | V. Kamatchi |
| 95. | 811217104010 | Kokila V | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | V. Kokila |
| 96. | 811217104011 | Lakshmi Priya M | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | M. Lakshmi Priya |
| 97. | 811217104012 | Navcen R | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | R. Navcen |
| 98. | 811217104013 | Panneer Selvam R | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | R. Panneer Selvam |



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Department of Computer Science & Engineering

Academic Year 2018-2019 - Odd Semester

| | | | | | | | | | | | | | | | | | | |
|------|--------------|-------------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------------------|
| 99. | 811217104014 | Princy Deepa X | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | P | 12 | X. Princy |
| 100. | 811217104015 | Raghul L | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | P | 12 | R. Raghul |
| 101. | 811217104016 | Salma Banu M | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | P | 11 | M. Salma |
| 102. | 811217104017 | Seebika M | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | P | 12 | S. Seebika |
| 103. | 811217104019 | Siva Sankari S | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | P | 12 | S. Sankari |
| 104. | 811217104020 | Swathi M | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | P | 11 | M. Swathi |
| 105. | 811217104022 | Vasuki M | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | P | 12 | M. Vasuki |
| 106. | 811217104023 | Yogesh Kannan P H | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | P | 12 | P.H. Yogesh |
| 107. | 811217405001 | Padmadevi A | II/ M.E CSE | P | P | P | P | P | P | P | P | P | P | P | P | P | 12 | A. Padmadevi |
| 108. | 811217405002 | Panimalar V | II/ M.E/CSE | P | P | P | P | P | P | P | P | P | P | P | P | P | 12 | V. Panimalar |
| 109. | 811217405003 | Sankari R | II/ M.E CSE | P | P | P | P | P | P | P | P | P | P | P | P | P | 12 | R. Sankari |
| 110. | 811217405004 | Shanmuga Priya M | II/ M.E CSE | P | P | P | P | P | P | P | P | P | P | P | P | P | 12 | M. Shanmuga Priya |
| 111. | 811217405005 | Suganya A | II/ M.E CSE | P | P | P | P | P | P | P | P | P | P | P | P | P | 12 | A. Suganya |
| 112. | 811218405001 | Aswini. M | I/M.E CSE | P | P | P | P | P | P | P | P | P | P | P | P | P | 12 | M. Aswini |



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Academic Year 2018-2019 – Odd Semester

| | | | | | | | | | | | | | | | | |
|------|--------------|---------------------|--------------|---|---|---|---|---|---|---|---|---|---|---|----|------------|
| 113. | 811218405002 | Gwendolyn Rosetta.G | I.M.E CSE | P | P | P | P | P | P | P | P | P | P | P | 12 | G. G |
| 114. | 811218405003 | Harish.V | I.M.E CSE | P | P | P | P | P | P | P | P | P | P | P | 12 | V. Harish |
| 115. | 811218405004 | Nirmala.N | I.M.E CSE | P | P | P | P | P | P | P | P | P | P | P | 12 | N. Nirmala |

G. G
VAC Coordinator

D. Sudal
HoD/CSE

(Signature)
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Department of Computer Science & Engineering

Academic Year 2018-2019 – Odd Semester

Name of the Student : Tharika

Year/Sem: III / V

AU Register Number: 811216104038

Value Added Course on "Data Mining"

MCO QUESTIONS (25X4 = 100 Marks)



1. Which of the following refers to the problem of finding abstracted patterns (or structures) in the unlabeled data?
 - A. Unsupervised learning
 - B. Hybrid learning
 - C. Reinforcement learning
 - D. Supervised learning
2. Which of the following is an essential process in which the intelligent methods are applied to extract data patterns?
 - A. Warehousing
 - B. Data Mining
 - C. Text Mining
 - D. Data Selection
3. What is KDD in data mining?
 - A. Knowledge Discovery Database
 - B. Knowledge Discovery Data
 - C. Knowledge Data definition
 - D. Knowledge data house

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Academic Year 2018-2019 – Odd Semester

4. For what purpose, the analysis tools pre-compute the summaries of the huge amount of data?

- A. In order to maintain consistency
- B. For authentication
- C. For data access
- D. To obtain the queries response

5. What are the functions of Data Mining?

- A. Association and correctional analysis classification
- B. Prediction and characterization
- C. Cluster analysis and Evolution analysis
- D. All of the above

6. Which of the following statements is incorrect about the hierarchal clustering?

- A. The hierarchal type of clustering is also known as the HCA
- B. The choice of an appropriate metric can influence the shape of the cluster
- C. In general, the splits and merges both are determined in a greedy manner
- D. All of the above

7. Which one of the following can be considered as the final output of the hierarchal type of clustering?

- A. A tree which displays how the close thing are to each other
- B. Assignment of each point to clusters
- C. Finalize estimation of cluster centroids
- D. None of the above

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Academic Year 2018-2019 – Odd Semester

8. Suppose one wants to predict the number of newborns according to the size of storks' population by performing supervised learning
- A. Structural equation modeling
 - B. Clustering
 - C. Regression
 - D. Classification
9. Which of the following statements is correct about data mining?
- A. It can be referred to as the procedure of mining knowledge from data
 - B. Data mining can be defined as the procedure of extracting information from a set of the data
 - C. The procedure of data mining also involves several other processes like data cleaning, data transformation, and data integration
 - D. All of the above
10. In data mining, how many categories of functions are included?
- A. 5
 - B. 4
 - C. 2
 - D. 3
11. The analysis performed to uncover the interesting statistical correlation between associated -attributes value pairs are known as the _____.
- A. Mining of association
 - B. Mining of correlation
 - C. Mining of clusters
 - D. All of the above

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Academic Year 2018-2019 – Odd Semester

12. Which of the following can be considered as the classification or mapping of a set or class with some predefined group or classes?
- A. Data set
 - B. Data Characterization
 - C. Data Sub Structure
 - D. Data Discrimination
13. The classification of the data mining systems involves:
- A. Database technology
 - B. Information Science
 - C. Machine learning
 - D. All of the above
14. The issues like efficiency, scalability of data mining algorithms comes under _____
- A. Performance issues
 - B. Diverse data type issues
 - C. Mining methodology and user interaction
 - D. All of the above
15. Which of the following correctly refers the data selection?
- A. A subject-oriented integrated time-variant non-volatile collection of data in support of management
 - B. The actual discovery phase of a knowledge discovery process
 - C. The stage of selecting the right data for a KDD process
 - D. All of the above

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Academic Year 2018-2019 – Odd Semester

16. Which one of the following can be considered as the correct application of the data mining?
- A. Fraud detection
 - B. Corporate Analysis & Risk management
 - C. Management and market analysis
 - D. All of the above
17. Which one of the following correctly refers to the Class study in the data categorization?
- A. Final class
 - B. Study class
 - C. Target class
 - D. Both A and C
18. Which of the following also used as the first step in the knowledge discovery process?
- A. Data selection
 - B. Data cleaning
 - C. Data transformation
 - D. Data integration
19. Which of the following refers to the steps of the knowledge discovery process, in which the several data sources are combined?
- A. Data selection
 - B. Data cleaning
 - C. Data transformation
 - D. Data integration

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Academic Year 2018-2019 – Odd Semester

20. Which one of the following issues must be considered before investing in data mining?
- A. Compatibility
 - B. Functionality
 - C. Vendor consideration
 - D. All of the above
21. In certain cases, it is not clear what kind of pattern need to find, data mining should _____:
- A. Try to perform all possible tasks
 - B. Perform both predictive and descriptive task
 - C. It may allow interaction with the user so that he can guide the mining process
 - D. All of the above
22. Which of the following can be considered as the correct process of Data Mining?
- A. Infrastructure, Exploration, Analysis, Interpretation, Exploitation
 - B. Exploration, Infrastructure, Analysis, Interpretation, Exploitation
 - C. Exploration, Infrastructure, Interpretation, Analysis, Exploitation
 - D. Exploration, Infrastructure, Analysis, Exploitation, Interpretation
23. Which of the following statements about hierarchal clustering is incorrect?
- A. The hierarchal clustering can primarily be used for the aim of exploration
 - B. The hierarchal clustering should not be primarily used for the aim of exploration
 - C. Both A and B
 - D. None of the above


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Academic Year 2018-2019 – Odd Semester

24. Which one of the following can be defined as the data object which does not comply with the general behavior (or the model of available data)?

A. Evaluation Analysis

B. Outlier Analysis

C. Classification

D. Prediction

25. Which of the following statement is true about the classification?

A. It is a measure of accuracy

B. It is a subdivision of a set

C. It is the task of assigning a classification

D. None of the above

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Academic Year 2018-2019 – Odd Semester

Name of the Student : Denima . A

Year/Sem: IV / VI

AU Register Number: 811215104009

Value Added Course on "Data Mining"

MCQ QUESTIONS (25X4 = 100 Marks)

23
25

1. Which of the following refers to the problem of finding abstracted patterns (or structures) in the unlabeled data?

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Academic Year 2018-2019 – Odd Semester

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Academic Year 2018-2019 – Odd Semester

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Academic Year 2018-2019 – Odd Semester

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Academic Year 2018-2019 – Odd Semester

Value Added Course

“Data Mining”

ANSWER KEY

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

A. G. G. G.
VAC Coordinator

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Academic Year 2018-2019 – Odd Semester

VALUE ADDED COURSE ASSESMENT SHEET

Data mining


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| S.No. | Reg.No | Student's Name | Year/ Branch | Attendance Details | | VAC-MCQ TEST | | OVERALL MARK(100) (50% of A + 50% of B) |
|-------|--------------|----------------|-----------------|-----------------------------|--------------------------------|-----------------------------|-------------------------|--|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | |
| 1. | 811215104001 | Abhinaya.R | IV/CSE | 36 | 100 | 20 | 80 | 90 |
| 2. | 811215104002 | Abirami.A | IV/CSE | 36 | 100 | 15 | 60 | 80 |
| 3. | 811215104003 | Apporvavalli.A | IV/CSE | 36 | 100 | 19 | 76 | 88 |
| 4. | 811215104004 | Aravinth.B | IV/CSE | 36 | 100 | 22 | 88 | 94 |
| 5. | 811215104005 | Balaji.G | IV/CSE | 36 | 100 | 18 | 72 | 86 |
| 6. | 811215104006 | Balaji.G | IV/CSE | 30 | 83 | 17 | 68 | 75 |
| 7. | 811215104007 | Barani Kumar.M | IV/CSE | 36 | 100 | 18 | 72 | 86 |
| 8. | 811215104009 | Denima.A | IV/CSE | 36 | 100 | 23 | 92 | 91 |
| 9. | 811215104010 | Dhurga Devi.M | IV/CSE | 36 | 100 | 16 | 64 | 82 |
| 10. | 811215104013 | Giridharani.S | IV/CSE | 36 | 100 | 16 | 64 | 82 |
| 11. | 811215104014 | Gokila.R | IV/CSE | 33 | 92 | 20 | 80 | 86 |
| 12. | 811215104015 | Gomathi.A | IV/CSE | 36 | 100 | 20 | 80 | 90 |
| 13. | 811215104016 | Hema.P | IV/CSE | 36 | 100 | 22 | 88 | 94 |



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| S.No. | Reg.No | Student's Name | Year/ Branch | Attendance Details | | VAC-MCQ TEST | | OVERALL MARK(100) (50% of A + 50% of B) |
|-------|--------------|-------------------|-----------------|-----------------------------|--------------------------------|-----------------------------|-------------------------|--|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | |
| 14. | 811215104017 | Hemasivasankari.S | IV/CSE | 36 | 100 | 17 | 68 | 84 |
| 15. | 811215104018 | Indhu.S | IV/CSE | 36 | 100 | 19 | 76 | 88 |
| 16. | 811215104019 | Indira.K.J | IV/CSE | 36 | 100 | 19 | 76 | 88 |
| 17. | 811215104020 | Kanaga Raj.P | IV/CSE | 36 | 100 | 20 | 80 | 90 |
| 18. | 811215104021 | Keerthana.R.R | IV/CSE | 36 | 100 | 16 | 64 | 82 |
| 19. | 811215104022 | Keerthana.S | IV/CSE | 33 | 92 | 16 | 64 | 78 |
| 20. | 811215104023 | Mani Kandan.A | IV/CSE | 36 | 100 | 22 | 88 | 94 |
| 21. | 811215104024 | Mani Kandan.P | IV/CSE | 36 | 100 | 18 | 72 | 86 |
| 22. | 811215104025 | Meena.A | IV/CSE | 36 | 100 | 22 | 88 | 94 |
| 23. | 811215104026 | Murali.S | IV/CSE | 36 | 100 | 22 | 88 | 94 |
| 24. | 811215104027 | Narkis Banu.A | IV/CSE | 36 | 100 | 20 | 80 | 90 |
| 25. | 811215104028 | Nirosha.K | IV/CSE | 30 | 83 | 20 | 80 | 81 |
| 26. | 811215104029 | Pradeep.T | IV/CSE | 36 | 100 | 15 | 60 | 80 |

Dr. G. Balakrishnan, M.E., Ph.D.,
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Indra Ganesan

COLLEGE OF ENGINEERING
Madurai Main Road (NH-45B), Manikandam, Trichirapalli- 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Department of Computer Science & Engineering

Academic Year 2018-2019 – Odd Semester

| S.No. | Reg.No | Student's Name | Year/ Branch | Attendance Details | | VAC-MCQ TEST | | OVERALL MARK(100) (50% of A + 50% of B) |
|-------|--------------|---------------------|-----------------|-----------------------------|--------------------------------|-----------------------------|-------------------------|--|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | |
| 27. | 811215104030 | Praveen Kumar.V | IV/CSE | 36 | 100 | 19 | 76 | 88 |
| 28. | 811215104031 | Prem Kumar.N | IV/CSE | 36 | 100 | 22 | 88 | 94 |
| 29. | 811215104032 | Priya.M | IV/CSE | 36 | 100 | 18 | 72 | 86 |
| 30. | 811215104033 | Priyanga.P | IV/CSE | 36 | 100 | 17 | 68 | 84 |
| 31. | 811215104034 | Rajmohan.V | IV/CSE | 36 | 100 | 18 | 72 | 86 |
| 32. | 811215104035 | Ramalakshmi.M | IV/CSE | 33 | 92 | 17 | 68 | 80 |
| 33. | 811215104036 | Ramya.K | IV/CSE | 36 | 100 | 16 | 64 | 82 |
| 34. | 811215104037 | Roselin Lithveena.J | IV/CSE | 36 | 100 | 16 | 64 | 82 |
| 35. | 811215104038 | Sangeetha.I | IV/CSE | 36 | 100 | 20 | 80 | 90 |
| 36. | 811215104039 | Saranya.M | IV/CSE | 36 | 100 | 20 | 80 | 90 |
| 37. | 811215104040 | Shabika Banu.B | IV/CSE | 36 | 100 | 22 | 88 | 94 |
| 38. | 811215104041 | Subashree.M | IV/CSE | 36 | 100 | 17 | 68 | 84 |

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

Department of Computer Science & Engineering

Academic Year 2018-2019 – Odd Semester

| S.No. | Reg.No | Student's Name | Year/ Branch | Attendance Details | | VAC-MCQ TEST | | OVERALL MARK(100) (50% of A + 50% of B) |
|-------|--------------|----------------|-----------------|-----------------------------|--------------------------------|-----------------------------|-------------------------|--|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | |
| 39. | 811215104042 | Subathradevi.C | IV/CSE | 36 | 100 | 19 | 76 | 88 |
| 40. | 811215104043 | Suganya.S | IV/CSE | 36 | 100 | 19 | 76 | 88 |
| 41. | 811215104044 | Suhashini.R | IV/CSE | 36 | 100 | 20 | 80 | 90 |
| 42. | 811215104047 | Yogapriya.B | IV/CSE | 36 | 100 | 16 | 64 | 82 |
| 43. | 811215104301 | Annalakshmi.G | IV/CSE | 36 | 100 | 16 | 64 | 82 |
| 44. | 811215104302 | Rangeela.T | IV/CSE | 33 | 92 | 22 | 88 | 90 |
| 45. | 811216104002 | Anjaladevi J | III/CSE | 30 | 83 | 18 | 72 | 77.5 |
| 46. | 811216104003 | Aparna S | III/CSE | 36 | 100 | 22 | 88 | 94 |
| 47. | 811216104004 | Archana T | III/CSE | 36 | 100 | 22 | 88 | 94 |
| 48. | 811216104005 | Bakkiya V | III/CSE | 36 | 100 | 20 | 80 | 90 |
| 49. | 811216104007 | Banumathi D | III/CSE | 36 | 100 | 20 | 80 | 90 |
| 50. | 811216104008 | Dhanush S | III/CSE | 36 | 100 | 15 | 60 | 80 |
| 51. | 811216104009 | Dhivya B | III/CSE | 36 | 100 | 19 | 76 | 88 |


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

Department of Computer Science & Engineering

Academic Year 2018-2019 – Odd Semester

| S.No. | Reg.No | Student's Name | Year/ Branch | Attendance Details | | VAC-MCQ TEST | | OVERALL MARK(100) (50% of A + 50% of B) |
|-------|--------------|-------------------|-----------------|-----------------------------|--------------------------------|-----------------------------|-------------------------|--|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | |
| 52. | 811216104010 | Divya R | III/CSE | 36 | 100 | 22 | 88 | 94 |
| 53. | 811216104011 | Ganeshkumar A | III/CSE | 36 | 100 | 18 | 72 | 86 |
| 54. | 811216104012 | Gobala Krishnan R | III/CSE | 36 | 100 | 17 | 68 | 84 |
| 55. | 811216104013 | Gunasekar P | III/CSE | 36 | 100 | 18 | 72 | 86 |
| 56. | 811216104014 | Jothika R | III/CSE | 36 | 100 | 17 | 68 | 84 |
| 57. | 811216104015 | Karthikeyan J | III/CSE | 36 | 100 | 16 | 64 | 82 |
| 58. | 811216104016 | Keerthana K | III/CSE | 36 | 100 | 16 | 64 | 82 |
| 59. | 811216104017 | Keerthana P | III/CSE | 36 | 100 | 20 | 80 | 90 |
| 60. | 811216104018 | Kirubakaran M | III/CSE | 36 | 100 | 20 | 80 | 90 |
| 61. | 811216104019 | Kiruthika R | III/CSE | 36 | 100 | 22 | 88 | 94 |
| 62. | 811216104020 | Meenakshi S | III/CSE | 30 | 83 | 17 | 68 | 76 |
| 63. | 811216104021 | Naveen K | III/CSE | 36 | 100 | 19 | 76 | 88 |
| 64. | 811216104022 | Naveenkumar S | III/CSE | 36 | 100 | 19 | 76 | 88 |


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

Department of Computer Science & Engineering

Academic Year 2018-2019 – Odd Semester

| S.No. | Reg.No | Student's Name | Year/ Branch | Attendance Details | | VAC-MCQ TEST | | OVERALL MARK(100) (50% of A + 50% of B) |
|-------|--------------|------------------|-----------------|-----------------------------|--------------------------------|-----------------------------|-------------------------|--|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | |
| 65. | 811216104023 | Neroson Kiosus N | III/CSE | 36 | 100 | 20 | 80 | 90 |
| 66. | 811216104024 | Pavithra G | III/CSE | 36 | 100 | 16 | 64 | 82 |
| 67. | 811216104026 | Pavithra.R | III/CSE | 36 | 100 | 16 | 64 | 82 |
| 68. | 811216104027 | Prabakar R | III/CSE | 36 | 100 | 22 | 88 | 94 |
| 69. | 811216104028 | Racika R | III/CSE | 36 | 100 | 18 | 72 | 86 |
| 70. | 811216104029 | Rahul S | III/CSE | 36 | 100 | 22 | 88 | 94 |
| 71. | 811216104030 | Revathi N | III/CSE | 36 | 100 | 22 | 88 | 94 |
| 72. | 811216104031 | Saranya A | III/CSE | 36 | 100 | 20 | 80 | 90 |
| 73. | 811216104032 | Saranya M | III/CSE | 33 | 92 | 20 | 80 | 86 |
| 74. | 811216104033 | Saravanan M | III/CSE | 36 | 100 | 15 | 60 | 80 |
| 75. | 811216104034 | Sharun Prabu A | III/CSE | 36 | 100 | 19 | 76 | 88 |
| 76. | 811216104035 | Soundharya J | III/CSE | 36 | 100 | 22 | 88 | 94 |
| 77. | 811216104036 | Tamilselvam M | III/CSE | 36 | 100 | 18 | 72 | 86 |

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Indra Ganesan


COLLEGE OF ENGINEERING

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

Department of Computer Science & Engineering

Academic Year 2018-2019 – Odd Semester

| S.No. | Reg.No | Student's Name | Year/ Branch | Attendance Details | | VAC-MCQ TEST | | OVERALL MARK(100) (50% of A + 50% of B) |
|-------|--------------|--------------------|-----------------|-----------------------------|--------------------------------|-----------------------------|-------------------------|--|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | |
| 78. | 811216104038 | Tharik A | III/CSE | 36 | 100 | 21 | 84 | 92 |
| 79. | 811216104039 | Varsha S | III/CSE | 36 | 100 | 18 | 72 | 86 |
| 80. | 811216104040 | Vigneshwarachari S | III/CSE | 36 | 100 | 17 | 68 | 84 |
| 81. | 811216104041 | Vijayalakshmi M | III/CSE | 36 | 100 | 16 | 64 | 82 |
| 82. | 811216104042 | Vijayalakshmi P | III/CSE | 36 | 100 | 16 | 64 | 82 |
| 83. | 811216104043 | Vinitha M | III/CSE | 36 | 100 | 20 | 80 | 90 |
| 84. | 811216104044 | Vinitha Devi P | III/CSE | 36 | 100 | 20 | 80 | 90 |
| 85. | 811216104045 | Yogeshwaran S | III/CSE | 36 | 100 | 22 | 88 | 94 |
| 86. | 811216104046 | Yuvasri T | III/CSE | 36 | 100 | 17 | 68 | 84 |
| 87. | 811217104001 | Aarathi J | II/CSE | 36 | 100 | 19 | 76 | 88 |
| 88. | 811217104002 | Deepika N | II/CSE | 36 | 100 | 19 | 76 | 88 |
| 89. | 811217104003 | Dhanalakshmi R | II/CSE | 36 | 100 | 20 | 80 | 90 |
| 90. | 811217104004 | Goadhar Fathima S | II/CSE | 36 | 100 | 16 | 64 | 82 |


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Department of Computer Science & Engineering

Academic Year 2018-2019 – Odd Semester

| S.No. | Reg.No | Student's Name | Year/ Branch | Attendance Details | | VAC-MCQ TEST | | OVERALL MARK(100) (50% of A + 50% of B) |
|-------|--------------|------------------|-----------------|-----------------------------|--------------------------------|-----------------------------|-------------------------|--|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | |
| 91. | 811217104005 | Gowtham Raaj K | II/CSE | 36 | 100 | 16 | 64 | 82 |
| 92. | 811217104007 | Jeya Pratha A | II/CSE | 36 | 100 | 22 | 88 | 94 |
| 93. | 811217104008 | Jickson S | II/CSE | 36 | 100 | 18 | 72 | 86 |
| 94. | 811217104009 | Kamatchi V | II/CSE | 36 | 100 | 22 | 88 | 94 |
| 95. | 811217104010 | Kokila V | II/CSE | 36 | 100 | 22 | 88 | 94 |
| 96. | 811217104011 | Lakshmi Priya M | II/CSE | 30 | 83 | 20 | 80 | 82 |
| 97. | 811217104012 | Naveen R | II/CSE | 36 | 100 | 20 | 80 | 90 |
| 98. | 811217104013 | Panneer Selvam R | II/CSE | 36 | 100 | 20 | 80 | 90 |
| 99. | 811217104014 | Princy Deepa X | II/CSE | 36 | 100 | 20 | 80 | 90 |
| 100. | 811217104015 | Raghul L | II/CSE | 36 | 100 | 15 | 60 | 80 |
| 101. | 811217104016 | Salma Banu M | II/CSE | 33 | 92 | 19 | 76 | 84 |
| 102. | 811217104017 | Seebika M | II/CSE | 36 | 100 | 22 | 88 | 94 |
| 103. | 811217104019 | Siva Sankari S | II/CSE | 33 | 92 | 18 | 72 | 82 |

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

Department of Computer Science & Engineering

Academic Year 2018-2019 – Odd Semester

| S.No. | Reg.No | Student's Name | Year/ Branch | Attendance Details | | VAC-MCQ TEST | | OVERALL MARK(100) (50% of A + 50% of B) |
|-------|--------------|---------------------|-----------------|-----------------------------|--------------------------------|-----------------------------|-------------------------|--|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | |
| 104 | 811217104020 | Swathi M | II/CSE | 33 | 92 | 17 | 68 | 80 |
| 105 | 811217104022 | Vasuki M | II/CSE | 36 | 100 | 18 | 72 | 86 |
| 106 | 811217104023 | Yogesh Kannan P H | II/CSE | 36 | 100 | 17 | 68 | 84 |
| 107 | 811217405001 | Padmadevi A | II/M.E | 36 | 100 | 16 | 64 | 82 |
| 108 | 811217405002 | Panimalar V | II/M.E | 36 | 100 | 16 | 64 | 82 |
| 109 | 811217405003 | Sankari R | II/M.E | 36 | 100 | 20 | 80 | 90 |
| 110 | 811217405004 | Shanmuga Priya M | II/M.E | 36 | 100 | 20 | 80 | 90 |
| 111 | 811217405005 | Suganya A | II/M.E | 36 | 100 | 22 | 88 | 94 |
| 112 | 811218405001 | Aswini, M | I/M.E | 36 | 100 | 17 | 68 | 84 |
| 113 | 811218405002 | Gwendolyn Rosetta.G | I/M.E | 36 | 100 | 19 | 76 | 88 |
| 114 | 811218405003 | Harish.V | I/M.E | 36 | 100 | 19 | 76 | 88 |
| 115 | 811218405004 | Nirmala.N | I/M.E | 36 | 100 | 20 | 80 | 90 |

A. Gopal
VAC Coordinator

D. Rudra
HoD/CSE

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



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Department of Computer Science & Engineering

Academic Year 2018-2019 – Odd Semester

Report on Value Added Course

Title: Data Mining

Resource Person:

Mr. A.R. Sooriyaoli,
Managing Director,
Blue Fire Xperts Infotech OPC Pvt
Ltd, Trichy,

Mr. V. Roshan
Trainer
Blue Fire Xperts Infotech OPC Pvt
Ltd, Trichy

Date of conduct from : 17.12.18

To: 22.12.18

Duration: 36 Hours

Organized Department : COMPUTER SCIENCE AND ENGINEERING

Participant Year:

UG-II,III,IV
PG-I,II

No. of Students Registered :

UG -106
PG - 09
TOTAL-
115

Venue: SD LAB & NETWORK LAB
IGCE

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

- Know the concepts of functionality of the various data mining and data warehousing component
- Appreciate the strengths and limitations of various data mining and data warehousing model.
- Know the concept of Explain the analyzing techniques of various data.
- Describe different methodologies used in data mining and data ware housing
- Compare different approaches of data ware housing and data mining


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 * Attendance in VAC out of 100 percentage + 0.5 * Test mark in VAC out of 100 marks)


VAC Coordinator


HoD/CSE


Principal


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



Indra Ganesan

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

Department of Computer Science & Engineering

Academic Year 2018-2019 - Odd Semester

Report on Value Added Course

Title: **Data Mining**

Resource Person:

Mr. A.R. Sooriyaoli,
Managing Director,
Blue Fire Xperts Infotech OPC Pvt
Ltd, Trichy

Mr. V. Roshan
Trainer

Blue Fire Xperts Infotech OPC Pvt
Ltd, Trichy

Date of conduct from : **17.12.2018** To: **22.12.2018** Duration: **36 Hours**

Organized Department : **COMPUTER SCIENCE AND ENGINEERING**

Participant Year:

UG-II,III,IV
PG-I,II

No. of Students Registered :

UG - 106

PG - 09

TOTAL-115

Venue: **SD LAB & NETWORK LAB**
IGCE

Sample Photo



A. Geth
VAC Coordinator

D. Rudeh
HoD/CSE

[Signature]

[Signature]
Principal

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




CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **Mani Kandan.A**

..... **FINAL YEAR CSE** has successfully completed the Value Added Course on **Data Mining** organized by Department of Computer Science and Engineering and **Blue Fire Xperts Infotech** from 17th DECEMBER 2018 to 15th DECEMBER 2018 (6 days) during the Academic year 2018-2019.


A.R. Sooriyaoli,
Managing Director,
Blue Fire Xperts Infotech


Dr. G. Balakrishnan, M.A., Ph.D.,
Principal
Indra Ganesan College of Engineering
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Manikandam, Trichy-520 012


PRINCIPAL



Indra Ganesan

COLLEGE OF ENGINEERING
Madurai Main Road (NH-45B), Manikandam, Trichy-12.
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CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **Jothika R** of

..... **III YEAR CSE** has successfully completed the Value Added Course on Data Mining organized by Department of Computer Science and Engineering and Blue Fire Xperts Infotech from 17th DECEMBER 2018 to 15th DECEMBER 2018 (6 days) during the Academic year 2018-2019.

A.R. Sooriyaoli,
Managing Director,
Blue Fire Xperts Infotech

PRINCIPAL

Dr. G. Balakrishnan, M.A., M.Tech.,
Principal,
Indra Ganesan College of Engineering
15th Valley, Madurai Main Road
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Indra Ganesan

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CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **Deepika N** of
..... **II.YEAR.CSE** has successfully completed the Value Added Course on Data Mining organized by Department of Computer Science and Engineering and Blue Fire Xperts Infotech from 17th DECEMBER 2018 to 15th DECEMBER 2018 (6 days) during the Academic year 2018-2019.

A. R. Sooriyaoli,
Managing Director,
Blue Fire Xperts Infotech

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

PRINCIPAL



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH 49B), Manikandan, Tiruchirappalli - 620 012
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Department of Computer Science & Engineering

Academic Year 2018-2019 – Even Semester

4.06.2019

DEPARTMENT CIRCULAR

Department of Computer Science and Engineering IGCE in association with Flink Technologies is going to organized Value Added Course for BE- II,III,IV and M.E First, Second year students on “C#” from 10.06.2019 to 15.06.2019. 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 | 1. Mrs. Sankari, Project Manager, Flink Technologies 2. Mr. M. Krishnan Trainer Flink Technologies |
| Venue 1 Venue 2 | SD LAB NETWORK LAB |


HOD/CSE

Cc:

- Principal Office
- HoD/ CSE
- Class In charges - II, III ,IV & ME I,II
- II, III & IV-Year PG CSE Students
- Office File
- Notice Board


PRINCIPAL


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



Indra Ganesan

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Department of Computer Science & Engineering


Academic Year 2018-2019 – Even Semester

Value Added Course on

“C#”

SYLLABUS

| S.NO | TOPIC COVERED | DURATION (in hours) | DATE |
|------|--|------------------------|------------|
| 1 | INTRODUCTION <ul style="list-style-type: none">➤ The .NET Framework - an Overview➤ Framework Components➤ MSIL / Metadata and PE files.➤ The Common Language Runtime (CLR)s | 3 | 10.06.2019 |
| 2 | C # Language Syntax <ul style="list-style-type: none">➤ Why Datatypes Global, Stack and Heap Memory➤ Common Type System➤ Casting between other datatypes | 3 | 10.06.2019 |
| 3 | OOPs-Inheritance <ul style="list-style-type: none">➤ Introduction to Inheritance➤ Static and Dynamic Binding➤ Abstract Class | 3 | 11.06.2019 |
| 4 | OOPs-Interface & Polymorphism <ul style="list-style-type: none">➤ Overview of Interface➤ Interface with examples➤ Types of Inheritance | 3 | 11.06.2019 |
| 5 | Assemblies and GAC <ul style="list-style-type: none">➤ What is a DLL and how is it different from EXE➤ Types of DLL➤ Types of Assemblies➤ Global Assembly Cache | 3 | 12.06.2019 |
| 6 | Exception Handling <ul style="list-style-type: none">➤ Defining Exception➤ Understandings try and catch keywords➤ Creating User defined/Custom Exception class | 3 | 12.06.2019 |
| 7 | IO Streams <ul style="list-style-type: none">➤ What is a streams?➤ Serialization / Deserialization | 3 | 13.06.2019 |
| 8 | Developing GUI Application Using WINFORMS | 5 | 13.06.2019 |


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Department of Computer Science & Engineering

Academic Year 2018-2019 – Even Semester

| | | | |
|--------------------|--|----|-------------|
| | <ul style="list-style-type: none">➤ Basic Controls➤ Panel & Layouts Drawing and GDI Devices➤ Working with Resource Files and Setting➤ Notify Icon Controls | | |
| 9 | Database Programming Using ADO.NET <ul style="list-style-type: none">➤ Prerequisite - Knowledge of SQL Queries➤ Introduction and Evolution of ADO.NET➤ How to implement Login facility with database➤ Use of Multiple Active Result Sets | 4 | 14. 06.2019 |
| 10 | Packaging and Deployment <ul style="list-style-type: none">➤ File System Editor Registry Editor➤ Launch Condition Editor➤ Creating Uninstall Shortcut | 5 | 15. 06.2019 |
| 11 | Exam | 1 | 15. 06.2019 |
| Total Hours | | 36 | - |


VAC Coordinator


HoD/CSE



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

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

Department of Computer Science & Engineering

Academic Year 2018-2019 – Even Semester

Value Added Course

C#

STUDENTS PARTICIPATION LIST

| S.No. | Reg.No | Student's Name | Year/ Branch |
|-------|--------------|-------------------|--------------|
| 1. | 811215104001 | Abhinaya. R | IV/CSE |
| 2. | 811215104002 | Abirami.A | IV/CSE |
| 3. | 811215104003 | Apporvavalli.A | IV/CSE |
| 4. | 811215104004 | Aravinth.B | IV/CSE |
| 5. | 811215104005 | Balaji.G | IV/CSE |
| 6. | 811215104006 | Balaji.G | IV/CSE |
| 7. | 811215104007 | Barani Kumar.M | IV/CSE |
| 8. | 811215104009 | Denima.A | IV/CSE |
| 9. | 811215104010 | Dhurga Devi.M | IV/CSE |
| 10. | 811215104013 | Giridharani.S | IV/CSE |
| 11. | 811215104014 | Gokila.R | IV/CSE |
| 12. | 811215104015 | Gomathi.A | IV/CSE |
| 13. | 811215104016 | Hema.P | IV/CSE |
| 14. | 811215104017 | Hemasivasankari.S | IV/CSE |
| 15. | 811215104018 | Indhu.S | IV/CSE |
| 16. | 811215104019 | Indira.K.J | IV/CSE |
| 17. | 811215104020 | Kanaga Raj.P | IV/CSE |
| 18. | 811215104021 | Keerthana.R.R | IV/CSE |
| 19. | 811215104022 | Keerthana.S | IV/CSE |
| 20. | 811215104023 | Mani Kandan.A | IV/CSE |
| 21. | 811215104024 | Mani Kandan.P | IV/CSE |
| 22. | 811215104025 | Meena.A | IV/CSE |
| 23. | 811215104026 | Murali.S | IV/CSE |
| 24. | 811215104027 | Narkis Banu.A | IV/CSE |
| 25. | 811215104028 | Nirosha.K | IV/CSE |

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Academic Year 2018-2019 – Even Semester

| S.No. | Reg.No | Student's Name | Year/ Branch |
|-------|--------------|---------------------|--------------|
| 26. | 811215104029 | Pradeep.T | IV/CSE |
| 27. | 811215104030 | Praveen Kumar.V | IV/CSE |
| 28. | 811215104031 | Prem Kumar.N | IV/CSE |
| 29. | 811215104032 | Priya.M | IV/CSE |
| 30. | 811215104033 | Priyanga.P | IV/CSE |
| 31. | 811215104034 | Rajmohan.V | IV/CSE |
| 32. | 811215104035 | Ramalakshmi.M | IV/CSE |
| 33. | 811215104036 | Ramya.K | IV/CSE |
| 34. | 811215104037 | Roselin Lithveena.J | IV/CSE |
| 35. | 811215104038 | Sangeetha.I | IV/CSE |
| 36. | 811215104039 | Saranya.M | IV/CSE |
| 37. | 811215104040 | Shabika Banu.B | IV/CSE |
| 38. | 811215104041 | Subashree.M | IV/CSE |
| 39. | 811215104042 | Subathradevi.C | IV/CSE |
| 40. | 811215104043 | Suganya.S | IV/CSE |
| 41. | 811215104044 | Suhashini.R | IV/CSE |
| 42. | 811215104047 | Yogapriya.B | IV/CSE |
| 43. | 811215104301 | Annalakshmi.G | IV/CSE |
| 44. | 811215104302 | Rangeela.T | IV/CSE |
| 45. | 811216104002 | Anjaladevi J | III/CSE |
| 46. | 811216104003 | Aparna S | III/CSE |
| 47. | 811216104004 | Archana T | III/CSE |
| 48. | 811216104005 | Bakkiya V | III/CSE |
| 49. | 811216104007 | Banumathi D | III/CSE |
| 50. | 811216104008 | Dhanush S | III/CSE |
| 51. | 811216104009 | Dhivya B | III/CSE |
| 52. | 811216104010 | Divya R | III/CSE |
| 53. | 811216104011 | Ganeshkumar A | III/CSE |
| 54. | 811216104012 | Gobala Krishnan R | III/CSE |
| 55. | 811216104013 | Gunasekar P | III/CSE |
| 56. | 811216104014 | Jothika R | III/CSE |
| 57. | 811216104015 | Karthikeyan J | III/CSE |

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Academic Year 2018-2019 – Even Semester

| S.No. | Reg.No | Student's Name | Year/ Branch |
|-------|--------------|--------------------|--------------|
| 58. | 811216104016 | Keerthana K | III/CSE |
| 59. | 811216104017 | Keerthana P | III/CSE |
| 60. | 811216104018 | Kirubakaran M | III/CSE |
| 61. | 811216104019 | Kiruthika R | III/CSE |
| 62. | 811216104020 | Meenakshi S | III/CSE |
| 63. | 811216104021 | Naveen K | III/CSE |
| 64. | 811216104022 | Naveenkumar S | III/CSE |
| 65. | 811216104023 | Neroson Kiosus N | III/CSE |
| 66. | 811216104024 | Pavithra G | III/CSE |
| 67. | 811216104026 | Pavithra.R | III/CSE |
| 68. | 811216104027 | Prabakar R | III/CSE |
| 69. | 811216104028 | Racika R | III/CSE |
| 70. | 811216104029 | Rahul S | III/CSE |
| 71. | 811216104030 | Revathi N | III/CSE |
| 72. | 811216104031 | Saranya A | III/CSE |
| 73. | 811216104032 | Saranya M | III/CSE |
| 74. | 811216104033 | Saravanan M | III/CSE |
| 75. | 811216104034 | Sharun Prabu A | III/CSE |
| 76. | 811216104035 | Soundharya J | III/CSE |
| 77. | 811216104036 | Tamilselvam M | III/CSE |
| 78. | 811216104038 | Tharik A | III/CSE |
| 79. | 811216104039 | Varsha S | III/CSE |
| 80. | 811216104040 | Vigneshwarachari S | III/CSE |
| 81. | 811216104041 | Vijayalakshmi M | III/CSE |
| 82. | 811216104042 | Vijayalakshmi P | III/CSE |
| 83. | 811216104043 | Vinitha M | III/CSE |
| 84. | 811216104044 | Vinitha Devi P | III/CSE |
| 85. | 811216104045 | Yogeshwaran S | III/CSE |
| 86. | 811216104046 | Yuvasri T | III/CSE |
| 87. | 811217104001 | Aarthi J | II/CSE |
| 88. | 811217104002 | Dweepika N | II/CSE |
| 89. | 811217104003 | Dhanalakshmi R | II/CSE |

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Academic Year 2018-2019 – Even Semester

| S.No. | Reg.No | Student's Name | Year/ Branch |
|-------|--------------|---------------------|--------------|
| 90. | 811217104004 | Goadhar Fathima S | II/CSE |
| 91. | 811217104005 | Gowtham Raaj K | II/CSE |
| 92. | 811217104007 | Jeya Pratha A | II/CSE |
| 93. | 811217104008 | Jickson S | II/CSE |
| 94. | 811217104009 | Kamatchi V | II/CSE |
| 95. | 811217104010 | Kokila V | II/CSE |
| 96. | 811217104011 | Lakshmi Priya M | II/CSE |
| 97. | 811217104012 | Naveen R | II/CSE |
| 98. | 811217104013 | Panneer Selvam R | II/CSE |
| 99. | 811217104014 | Princy Deepa X | II/CSE |
| 100. | 811217104015 | Raghul L | II/CSE |
| 101. | 811217104016 | Salma Banu M | II/CSE |
| 102. | 811217104017 | Seebika M | II/CSE |
| 103. | 811217104019 | Siva Sankari S | II/CSE |
| 104. | 811217104020 | Swathi M | II/CSE |
| 105. | 811217104022 | Vasuki M | II/CSE |
| 106. | 811217104023 | Yogesh Kannan P H | II/CSE |
| 107. | 811217405001 | Padmadevi A | II/M.E CSE |
| 108. | 811217405002 | Panimalar V | II/M.E CSE |
| 109. | 811217405003 | Sankari R | II/M.E CSE |
| 110. | 811217405004 | Shanmuga Priya M | II/M.E CSE |
| 111. | 811217405005 | Suganya A | II/M.E CSE |
| 112. | 811218405001 | Aswini. M | I/M.E CSE |
| 113. | 811218405002 | Gwendolyn Rosetta.G | I/M.E CSE |
| 114. | 811218405003 | Harish.V | I/M.E CSE |
| 115. | 811218405004 | Nirmala.N | I/M.E CSE |


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STUDENTS ATTENDANCE LIST

Value Added Course

C#

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| S.No. | Reg.No | Student's Name | Year/ Branch | 10.06.19 | | 11.06.19 | | 12.06.19 | | 13.06.19 | | 14.06.19 | | 15.06.19 | | NO OF SESSIONS ATTENDED | SIGNATURE OF THE STUDENT |
|-------|--------------|-------------------|-----------------|----------|----|----------|----|----------|----|----------|----|----------|----|----------|----|-------------------------------|--------------------------------|
| | | | | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN | | |
| 1. | 811215104001 | Abhinaya. R | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | R. Abhinaya |
| 2. | 811215104002 | Abirami.A | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | A. Abirami |
| 3. | 811215104003 | Apporvavalli.A | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | A. Apporvavalli |
| 4. | 811215104004 | Aravinth.B | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | B. Aravinth |
| 5. | 811215104005 | Balaji.G | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | G. Balaji |
| 6. | 811215104006 | Balaji.G | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | G. Balaji |
| 7. | 811215104007 | Barani Kumar.M | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | M. Barani |
| 8. | 811215104009 | Denima.A | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | A. Denima |
| 9. | 811215104010 | Dhurga Devi.M | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | M. Dhurga Devi |
| 10. | 811215104013 | Giridharani.S | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | S. Giridharani |
| 11. | 811215104014 | Gokila.R | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | R. Gokila |
| 12. | 811215104015 | Gomathi.A | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | A. Gomathi |
| 13. | 811215104016 | Hema.P | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | P. Hema |
| 14. | 811215104017 | Hemasivasankari.S | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | S. Hemasivasankari |



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| | | | | | | | | | | | | | | | | | |
|-----|--------------|---------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|----|----------------|
| 15. | 811215104018 | Indhu.S | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | S. Indhu |
| 16. | 811215104019 | Indira.K.J | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | K.J. Indira |
| 17. | 811215104020 | Kanaga Raj.P | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | Kanaga Raj |
| 18. | 811215104021 | Keerthana.R.R | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | Keerthana.R.R |
| 19. | 811215104022 | Keerthana.S | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 11 | R.D. Keerthana |
| 20. | 811215104023 | Mani Kandan.A | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | S. K. Mani |
| 21. | 811215104024 | Mani Kandan.P | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | A. Mani |
| 22. | 811215104025 | Meena.A | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | P. Meena |
| 23. | 811215104026 | Murali.S | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | A. Murali |
| 24. | 811215104027 | Narkis Banu.A | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | N. Banu |
| 25. | 811215104028 | Nirosha.K | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | N. Nirosha |
| 26. | 811215104029 | Pradeep.T | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | U. Pradeep |
| 27. | 811215104030 | Praveen Kumar.V | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | T. Praveen |
| 28. | 811215104031 | Prem Kumar.N | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | V. Prem |
| 29. | 811215104032 | Priya.M | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | N. Priya |
| 30. | 811215104033 | Priyanga.P | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | M. Priyanga |
| 31. | 811215104034 | Rajmohan.V | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | P. Rajmohan |
| 32. | 811215104035 | Ramalakshmi.M | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | V. Ramalakshmi |
| 33. | 811215104036 | Ramya.K | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | M. Ramya |
| 34. | 811215104037 | Roselin Lithveena.J | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | J. Roselin |

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Department of Computer Science & Engineering

Academic Year 2018-2019 – Even Semester

| | | | | | | | | | | | | | | | | | |
|-----|--------------|-------------------|---------|---|---|---|---|---|---|---|---|---|---|---|---|----|--|
| 35. | 811215104038 | Sangeetha.I | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |
| 36. | 811215104039 | Saranya.M | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |
| 37. | 811215104040 | Shabika Banu.B | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |
| 38. | 811215104041 | Subashree.M | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |
| 39. | 811215104042 | Subathradevi.C | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |
| 40. | 811215104043 | Suganya.S | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |
| 41. | 811215104044 | Suhashini.R | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |
| 42. | 811215104047 | Yogapriya.B | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |
| 43. | 811215104301 | Annalakshmi.G | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |
| 44. | 811215104302 | Rangeela.T | IV/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |
| 45. | 811216104002 | Anjaladevi J | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 11 | |
| 46. | 811216104003 | Aparna S | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |
| 47. | 811216104004 | Archana T | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |
| 48. | 811216104005 | Bakkiya V | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |
| 49. | 811216104007 | Banumathi D | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |
| 50. | 811216104008 | Dhanush S | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |
| 51. | 811216104009 | Dhivya B | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |
| 52. | 811216104010 | Divya R | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |
| 53. | 811216104011 | Ganeshkumar A | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |
| 54. | 811216104012 | Gobala Krishnan R | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 18 | |



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| | | | | | | | | | | | | | | | | | |
|-----|--------------|------------------|---------|---|---|---|---|---|---|---|---|---|---|---|---|----|------------------|
| 55. | 811216104013 | Gunasekar P | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Gunasekar P |
| 56. | 811216104014 | Jothika R | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Jothika R |
| 57. | 811216104015 | Karthikeyan J | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Karthikeyan J |
| 58. | 811216104016 | Keerthana K | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Keerthana K |
| 59. | 811216104017 | Keerthana P | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Keerthana P |
| 60. | 811216104018 | Kirubakaran M | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Kirubakaran M |
| 61. | 811216104019 | Kiruthika R | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Kiruthika R |
| 62. | 811216104020 | Meenakshi S | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Meenakshi S |
| 63. | 811216104021 | Naveen K | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 10 | Naveen K |
| 64. | 811216104022 | Naveenkumar S | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Naveenkumar S |
| 65. | 811216104023 | Neroson Kiosus N | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Neroson Kiosus N |
| 66. | 811216104024 | Pavithra G | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Pavithra G |
| 67. | 811216104026 | Pavithra.R | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Pavithra.R |
| 68. | 811216104027 | Prabakar R | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Prabakar R |
| 69. | 811216104028 | Racika R | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Racika R |
| 70. | 811216104029 | Rahul S | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Rahul S |
| 71. | 811216104030 | Revathi N | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Revathi N |
| 72. | 811216104031 | Saranya A | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Saranya A |
| 73. | 811216104032 | Saranya M | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Saranya M |
| 74. | 811216104033 | Saravanan M | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Saravanan M |
| 75. | 811216104034 | Sharun Prabu A | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Sharun Prabu A |



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Department of Computer Science & Engineering

Academic Year 2018-2019 – Even Semester

| | | | | | | | | | | | | | | | | | |
|-----|--------------|--------------------|---------|---|---|---|---|---|---|---|---|---|---|---|---|----|------------------|
| 76. | 811216104035 | Soundharya J | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | J. Soundharya |
| 77. | 811216104036 | Tamilselvam M | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | T. Tamil |
| 78. | 811216104038 | Tharik A | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | A. Tharik |
| 79. | 811216104039 | Varsha S | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | S. Varsha |
| 80. | 811216104040 | Vigneshwarachari S | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | S. Vignesh |
| 81. | 811216104041 | Vijayalakshmi M | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | M. Vijaya |
| 82. | 811216104042 | Vijayalakshmi P | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | P. Vijaya |
| 83. | 811216104043 | Vinitha M | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | M. Vinitha |
| 84. | 811216104044 | Vinitha Devi P | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | P. Vinitha |
| 85. | 811216104045 | Yogeshwaran S | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | S. Yogesh |
| 86. | 811216104046 | Yuvasri T | III/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | T. Yuvasri |
| 87. | 811217104001 | Aarthi J | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | J. Aarthi |
| 88. | 811217104002 | Deepika N | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | N. Deepika |
| 89. | 811217104003 | Dhanalakshmi R | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | R. Dhanalakshmi |
| 90. | 811217104004 | Goadhar Fathima S | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | S. Goadhar |
| 91. | 811217104005 | Gowtham Raaj K | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | K. Gowtham |
| 92. | 811217104007 | Jeya Pratha A | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | A. Jeya Pratha |
| 93. | 811217104008 | Jickson S | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | S. Jickson |
| 94. | 811217104009 | Kamatchi V | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | V. Kamatchi |
| 95. | 811217104010 | Kokila V | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | V. Kokila |
| 96. | 811217104011 | Lakshmi Priya M | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 19 | M. Lakshmi Priya |



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Department of Computer Science & Engineering

Academic Year 2018-2019 – Even Semester

| | | | | | | | | | | | | | | | | | |
|------|--------------|-------------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|----|-------------------|
| 97. | 811217104012 | Naveen R | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Naveen |
| 98. | 811217104013 | Panneer Selvam R | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Panneer Selvam |
| 99. | 811217104014 | Princy Deepa X | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | V (Princy) |
| 100. | 811217104015 | Raghul L | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Rahul |
| 101. | 811217104016 | Salma Banu M | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | M. Salma |
| 102. | 811217104017 | Seebika M | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Seebika |
| 103. | 811217104019 | Siva Sankari S | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Siva Sankari |
| 104. | 811217104020 | Swathi M | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Swathi |
| 105. | 811217104022 | Vasuki M | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | M. Swathi |
| 106. | 811217104023 | Yogesh Kannan P H | II/CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Vasuki |
| 107. | 811217405001 | Padmadevi A | II/ M.E CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | Padmadevi |
| 108. | 811217405002 | Panimalar V | II/ M.ECSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | V. Panimalar |
| 109. | 811217405003 | Sankari R | II/ M.E CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | R. Sankari |
| 110. | 811217405004 | Shanmuga Priya M | II/ M.E CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | M. Shanmuga Priya |
| 111. | 811217405005 | Suganya A | II/ M.E CSE | P | P | P | P | P | P | P | P | P | P | P | P | 12 | A. Suganya |

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Academic Year 2018-2019 – Even Semester

| | | | | | | | | | | | | | | | | | |
|------|--------------|------------------------|--------------|---|---|---|---|---|---|---|---|---|---|---|---|----|------------|
| 112. | 811218405001 | Aswini. M | I/M.E CSE | P | P | P | P | P | P | P | P | P | P | P | P | 10 | Aswini |
| 113. | 811218405002 | Gwendolyn Rosetta.G | I.M.E CSE | P | P | P | P | P | P | P | P | P | P | P | P | 10 | G. Rosetta |
| 114. | 811218405003 | Harish.V | I.M.E CSE | P | P | P | P | P | P | P | P | P | P | P | P | 10 | V. Harish |
| 115. | 811218405004 | Nirmala.N | I.M.E CSE | P | P | P | P | P | P | P | P | P | P | P | P | 10 | N. Nirmala |


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HoD/CSE



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Department of Computer Science & Engineering

Academic Year 2018-2019 – Even Semester

Name of the Student : Swathi . M

Year/Sem: I / IV

AU Register Number: 811217104020

Value Added Course on "C#"

MCO QUESTIONS (25X4 = 100 Marks)

1. Which of the following is a contextual keyword in C#?
A - get
B - set
C - add
D - All of the above ✓
2. Which of the following is correct about dynamic Type in C#?
A - You can store any type of value in the dynamic data type variable.
B - Type checking for these types of variables takes place at run-time.
C - Both of the above.
D - None of the above ✓
3. Which of the following converts a type to a signed byte type in C#?
A -.ToInt64
B - ToSbyte ✓
C - ToSingle
D -.ToInt32
4. Which of the following method copies the actual value of an argument into the formal parameter of the function?
A - Value parameters
B - Reference parameters
C - Output parameters ✓
D - None of the above.


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Department of Computer Science & Engineering

Academic Year 2018-2019 – Even Semester

17. Who is the founder of C# programming language?

- A. Anders Hejlsberg
- B. Douglas Rockford
- C. Rasmus Lerdorf
- D. Brendan Eich

18. Is C# a type safe programming language?

- A. Yes
- B. No

19. Is C# a structured programming language?

- A. Yes
- B. No

20. CLR stands for ____.


- A. Common Type System
- B. Common Language Specification
- C. Common Language Runtime
- D. Java Virtual Machine

21. .Net CLR is equivalent to?

- A. Common Type System
- B. Common Language Specification
- C. Common Language Runtime
- D. Java Virtual Machine

22. What is CLR in C#?

- A. It is a virtual machine component of Microsoft .NET Framework
- B. It is a virtual machine component of JVM
- C. It is a compiler to compile the C# code
- D. All of the above


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Academic Year 2018-2019 – Even Semester

23. What does the CLR in C# do?

- A. Manages the execution of Webpages programs
- B. Manages the parsing of the various types
- C. Manages the execution of .NET programs
- D. All of the above

24. SOAP in C# stands for ____.

- A. Simple Object Access Protocol
- B. Simple Object Access Program
- C. Standard Object Access Protocol
- D. Standard Object Access Program

25. Every C# statement is terminated by ____.

- A. Colon (:)
- B. Semicolon (;)
- C. Comma (,)
- D. Dot (.)

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Department of Computer Science & Engineering

Academic Year 2018-2019 – Even Semester

Name of the Student : P. HEMA

Year/Sem: 1st / 1st

AU Register Number: 811215104016

Value Added Course on "C#"

MCQ QUESTIONS (25X4 = 100 Marks)

20
25

1. Which of the following is a contextual keyword in C#?
A - get
B - set
C - add
 D - All of the above.
2. Which of the following is correct about dynamic Type in C#?
A - You can store any type of value in the dynamic data type variable.
B - Type checking for these types of variables takes place at run-time.
 C - Both of the above.
D - None of the above.
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A - ToInt64
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4. Which of the following method copies the actual value of an argument into the formal parameter of the function?
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Academic Year 2018-2019 – Even Semester

5. Which of the following operator casts without raising an exception if the cast fails in C#?
- A - ?:
 - B - is
 - C - as
 - D - *
6. Which of the following is correct about null coalescing operator in C#?
- A - The null coalescing operator is used with the nullable value types and reference types.
 - B - It is used for converting an operand to the type of another nullable (or not) value type operand, where an implicit conversion is possible.
 - C - If the value of the first operand is null, then the operator returns the value of the second operand, otherwise it returns the value of the first operand.
 - D - All of the above.
7. Which of the following is the correct about class member variables?
- A - Member variables are the attributes of an object (from design perspective) and they are kept private to implement encapsulation.
 - B - These private variables can only be accessed using the public member functions.
 - C - Both of the above.
 - D - None of the above.
8. Operator overloading is a kind of dynamic polymorphism.
- A - true
 - B - false
9. Which of the following preprocessor directive allows you to undefine a symbol in C#?
- A - define
 - B - undef
 - C - region
 - D - endregion


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Academic Year 2018-2019 – Even Semester

10. The SystemException class is the base class for all predefined system exception in C#?
- A - true
 B - false
11. C# is a programming language, developed by ____.
- A. Oracle
 B. Microsoft
 C. GNU project
 D. Google
12. C# runs on the ____.
- A. .NET Framework
 B. Java Virtual Machine
 C. Both A. and B.
 D. None of the above
13. C# programming language is used to develop -
- A. Web apps
 B. Desktop apps
 C. Mobiles apps
 D. All of the above
14. Is C# an object-oriented programming language?
- A. Yes
 B. No
15. Is C++ an alias of C#?
- A. Yes
 B. No
16. What is the extension of a C# language file?
- A. .c
 B. .cpp
 C. .cs
 D. .csp

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Academic Year 2018-2019 – Even Semester

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Academic Year 2018-2019 – Even Semester

Value Added Course

“C#”

ANSWER KEY

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


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Department of Computer Science & Engineering

Academic Year 2018-2019 – Even Semester

(Signature)

VALUE ADDED COURSE ASSESMENT

C#

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| S.No. | Reg.No | Student's Name | Year/ Branch | Attendance Details | | VAC-MCQ TEST | | OVERALL MARK(100) (50% of A + 50% of B) |
|-------|--------------|-------------------|-----------------|-----------------------------|--------------------------------|-----------------------------|-------------------------|--|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | |
| 1. | 811215104001 | Abhinaya. R | IV/CSE | 36 | 100 | 20 | 80 | 90 |
| 2. | 811215104002 | Abirami.A | IV/CSE | 36 | 100 | 15 | 60 | 80 |
| 3. | 811215104003 | Apporvavalli.A | IV/CSE | 36 | 100 | 19 | 76 | 88 |
| 4. | 811215104004 | Aravinth.B | IV/CSE | 36 | 100 | 22 | 88 | 94 |
| 5. | 811215104005 | Balaji.G | IV/CSE | 36 | 100 | 18 | 72 | 86 |
| 6. | 811215104006 | Balaji.G[29.1.98] | IV/CSE | 36 | 100 | 17 | 68 | 84 |
| 7. | 811215104007 | Barani Kumar.M | IV/CSE | 36 | 100 | 18 | 72 | 86 |
| 8. | 811215104009 | Denima.A | IV/CSE | 36 | 100 | 17 | 68 | 84 |
| 9. | 811215104010 | Dhurga Devi.M | IV/CSE | 36 | 100 | 16 | 64 | 82 |
| 10. | 811215104013 | Giridharani.S | IV/CSE | 36 | 100 | 16 | 64 | 82 |
| 11. | 811215104014 | Gokila.R | IV/CSE | 33 | 92 | 20 | 80 | 86 |
| 12. | 811215104015 | Gomathi.A | IV/CSE | 36 | 100 | 20 | 80 | 90 |
| 13. | 811215104016 | Hema.P | IV/CSE | 36 | 100 | 20 | 88 | 90 |



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| S.No. | Reg.No | Student's Name | Year/ Branch | Attendance Details | | VAC-MCQ TEST | | OVERALL MARK(100) (50% of A + 50% of B) |
|-------|--------------|-------------------|-----------------|-----------------------------|--------------------------------|-----------------------------|-------------------------|--|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | |
| 14. | 811215104017 | Hemasivasankari.S | IV/CSE | 36 | 100 | 17 | 68 | 84 |
| 15. | 811215104018 | Indhu.S | IV/CSE | 36 | 100 | 19 | 76 | 88 |
| 16. | 811215104019 | Indira.K.J | IV/CSE | 36 | 100 | 19 | 76 | 88 |
| 17. | 811215104020 | Kanaga Raj.P | IV/CSE | 36 | 100 | 20 | 80 | 90 |
| 18. | 811215104021 | Keerthana.R.R | IV/CSE | 36 | 100 | 16 | 64 | 82 |
| 19. | 811215104022 | Keerthana.S | IV/CSE | 33 | 92 | 16 | 64 | 78 |
| 20. | 811215104023 | Mani Kandan.A | IV/CSE | 36 | 100 | 22 | 88 | 94 |
| 21. | 811215104024 | Mani Kandan.P | IV/CSE | 36 | 100 | 18 | 72 | 86 |
| 22. | 811215104025 | Meena.A | IV/CSE | 36 | 100 | 22 | 88 | 94 |
| 23. | 811215104026 | Murali.S | IV/CSE | 36 | 100 | 22 | 88 | 94 |
| 24. | 811215104027 | Narkis Banu.A | IV/CSE | 36 | 100 | 20 | 80 | 90 |
| 25. | 811215104028 | Nirosha.K | IV/CSE | 36 | 100 | 20 | 80 | 90 |
| 26. | 811215104029 | Pradeep.T | IV/CSE | 36 | 100 | 15 | 60 | 84 |


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|-------|--------------|---------------------|-----------------|-----------------------------|--------------------------------|-----------------------------|-------------------------|--|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | |
| 27. | 811215104030 | Praveen Kumar.V | IV/CSE | 36 | 100 | 19 | 76 | 88 |
| 28. | 811215104031 | Prem Kumar.N | IV/CSE | 36 | 100 | 22 | 88 | 94 |
| 29. | 811215104032 | Priya.M | IV/CSE | 36 | 100 | 18 | 72 | 86 |
| 30. | 811215104033 | Priyanga.P | IV/CSE | 36 | 100 | 17 | 68 | 84 |
| 31. | 811215104034 | Rajmohan.V | IV/CSE | 36 | 100 | 18 | 72 | 86 |
| 32. | 811215104035 | Ramalakshmi.M | IV/CSE | 36 | 100 | 17 | 68 | 84 |
| 33. | 811215104036 | Ramya.K | IV/CSE | 36 | 100 | 16 | 64 | 82 |
| 34. | 811215104037 | Roselin Lithveena.J | IV/CSE | 36 | 100 | 16 | 64 | 82 |
| 35. | 811215104038 | Sangeetha.I | IV/CSE | 36 | 100 | 20 | 80 | 90 |
| 36. | 811215104039 | Saranya.M | IV/CSE | 36 | 100 | 20 | 80 | 90 |
| 37. | 811215104040 | Shabika Banu.B | IV/CSE | 36 | 100 | 22 | 88 | 94 |
| 38. | 811215104041 | Subashree.M | IV/CSE | 36 | 100 | 17 | 68 | 84 |

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

Department of Computer Science & Engineering

Academic Year 2018-2019 – Even Semester

| S.No. | Reg.No | Student's Name | Year/ Branch | Attendance Details | | VAC-MCQ TEST | | OVERALL MARK(100) (50% of A + 50% of B) |
|-------|--------------|----------------|-----------------|-----------------------------|--------------------------------|-----------------------------|-------------------------|--|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | |
| 39. | 811215104042 | Subathradevi.C | IV/CSE | 36 | 100 | 19 | 76 | 88 |
| 40. | 811215104043 | Suganya.S | IV/CSE | 36 | 100 | 19 | 76 | 88 |
| 41. | 811215104044 | Suhashini.R | IV/CSE | 36 | 100 | 20 | 80 | 90 |
| 42. | 811215104047 | Yogapriya.B | IV/CSE | 36 | 100 | 16 | 64 | 82 |
| 43. | 811215104301 | Annalakshmi.G | IV/CSE | 36 | 100 | 16 | 64 | 82 |
| 44. | 811215104302 | Rangeela.T | IV/CSE | 33 | 92 | 22 | 88 | 90 |
| 45. | 811216104002 | Anjaladevi J | III/CSE | 36 | 100 | 18 | 72 | 86 |
| 46. | 811216104003 | Aparna S | III/CSE | 36 | 100 | 22 | 88 | 94 |
| 47. | 811216104004 | Archana T | III/CSE | 36 | 100 | 22 | 88 | 94 |
| 48. | 811216104005 | Bakkiya V | III/CSE | 36 | 100 | 20 | 80 | 90 |
| 49. | 811216104007 | Banumathi D | III/CSE | 36 | 100 | 20 | 80 | 90 |
| 50. | 811216104008 | Dhanush S | III/CSE | 36 | 100 | 15 | 60 | 80 |
| 51. | 811216104009 | Dhivya B | III/CSE | 36 | 100 | 19 | 76 | 88 |

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Department of Computer Science & Engineering

Academic Year 2018-2019 – Even Semester

| S.No. | Reg.No | Student's Name | Year/ Branch | Attendance Details | | VAC-MCQ TEST | | OVERALL MARK(100) (50% of A + 50% of B) |
|-------|--------------|-------------------|-----------------|-----------------------------|--------------------------------|-----------------------------|-------------------------|--|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | |
| 52. | 811216104010 | Divya R | III/CSE | 36 | 100 | 22 | 88 | 94 |
| 53. | 811216104011 | Ganeshkumar A | III/CSE | 36 | 100 | 18 | 72 | 86 |
| 54. | 811216104012 | Gobala Krishnan R | III/CSE | 36 | 100 | 17 | 68 | 84 |
| 55. | 811216104013 | Gunasekar P | III/CSE | 36 | 100 | 18 | 72 | 86 |
| 56. | 811216104014 | Jothika R | III/CSE | 36 | 100 | 17 | 68 | 84 |
| 57. | 811216104015 | Karthikeyan J | III/CSE | 36 | 100 | 16 | 64 | 82 |
| 58. | 811216104016 | Keerthana K | III/CSE | 36 | 100 | 16 | 64 | 82 |
| 59. | 811216104017 | Keerthana P | III/CSE | 36 | 100 | 20 | 80 | 90 |
| 60. | 811216104018 | Kirubakaran M | III/CSE | 36 | 100 | 20 | 80 | 90 |
| 61. | 811216104019 | Kiruthika R | III/CSE | 36 | 100 | 22 | 88 | 94 |
| 62. | 811216104020 | Meenakshi S | III/CSE | 30 | 83 | 17 | 68 | 76 |
| 63. | 811216104021 | Naveen K | III/CSE | 36 | 100 | 19 | 76 | 88 |
| 64. | 811216104022 | Naveenkumar S | III/CSE | 36 | 100 | 19 | 76 | 88 |


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Department of Computer Science & Engineering

Academic Year 2018-2019 – Even Semester

| S.No. | Reg.No | Student's Name | Year/ Branch | Attendance Details | | VAC-MCQ TEST | | OVERALL MARK(100) (50% of A + 50% of B) |
|-------|--------------|------------------|-----------------|-----------------------------|--------------------------------|-----------------------------|-------------------------|--|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | |
| 65. | 811216104023 | Neroson Kiosus N | III/CSE | 36 | 100 | 20 | 80 | 90 |
| 66. | 811216104024 | Pavithra G | III/CSE | 36 | 100 | 16 | 64 | 82 |
| 67. | 811216104026 | Pavithra.R | III/CSE | 36 | 100 | 16 | 64 | 82 |
| 68. | 811216104027 | Prabakar R | III/CSE | 36 | 100 | 22 | 88 | 94 |
| 69. | 811216104028 | Racika R | III/CSE | 36 | 100 | 18 | 72 | 86 |
| 70. | 811216104029 | Rahul S | III/CSE | 36 | 100 | 22 | 88 | 94 |
| 71. | 811216104030 | Revathi N | III/CSE | 36 | 100 | 22 | 88 | 94 |
| 72. | 811216104031 | Saranya A | III/CSE | 36 | 100 | 20 | 80 | 90 |
| 73. | 811216104032 | Saranya M | III/CSE | 36 | 100 | 20 | 80 | 90 |
| 74. | 811216104033 | Saravanan M | III/CSE | 36 | 100 | 15 | 60 | 80 |
| 75. | 811216104034 | Sharun Prabu A | III/CSE | 36 | 100 | 19 | 76 | 88 |
| 76. | 811216104035 | Soundharya J | III/CSE | 36 | 100 | 22 | 88 | 94 |
| 77. | 811216104036 | Tamilselvam M | III/CSE | 36 | 100 | 18 | 72 | 86 |

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Department of Computer Science & Engineering

Academic Year 2018-2019 – Even Semester

| S.No. | Reg.No | Student's Name | Year/ Branch | Attendance Details | | VAC-MCQ TEST | | OVERALL MARK(100) (50% of A + 50% of B) |
|-------|--------------|--------------------|-----------------|-----------------------------|--------------------------------|-----------------------------|-------------------------|--|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | |
| 78. | 811216104038 | Tharik A | III/CSE | 36 | 100 | 17 | 68 | 84 |
| 79. | 811216104039 | Varsha S | III/CSE | 36 | 100 | 18 | 72 | 86 |
| 80. | 811216104040 | Vigneshwarachari S | III/CSE | 36 | 100 | 17 | 68 | 84 |
| 81. | 811216104041 | Vijayalakshmi M | III/CSE | 36 | 100 | 16 | 64 | 82 |
| 82. | 811216104042 | Vijayalakshmi P | III/CSE | 36 | 100 | 16 | 64 | 82 |
| 83. | 811216104043 | Vinitha M | III/CSE | 36 | 100 | 20 | 80 | 90 |
| 84. | 811216104044 | Vinitha Devi P | III/CSE | 36 | 100 | 20 | 80 | 90 |
| 85. | 811216104045 | Yogeshwaran S | III/CSE | 36 | 100 | 22 | 88 | 94 |
| 86. | 811216104046 | Yuvasri T | III/CSE | 36 | 100 | 17 | 68 | 84 |
| 87. | 811217104001 | Aarthi J | II/CSE | 36 | 100 | 19 | 76 | 88 |
| 88. | 811217104002 | Deepika N | II/CSE | 36 | 100 | 19 | 76 | 88 |
| 89. | 811217104003 | Dhanalakshmi R | II/CSE | 36 | 100 | 20 | 80 | 90 |
| 90. | 811217104004 | Goadhar Fathima S | II/CSE | 36 | 100 | 16 | 64 | 82 |

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Department of Computer Science & Engineering

Academic Year 2018-2019 – Even Semester

| S.No. | Reg.No | Student's Name | Year/ Branch | Attendance Details | | VAC-MCQ TEST | | OVERALL MARK(100) (50% of A + 50% of B) |
|-------|--------------|------------------|-----------------|-----------------------------|--------------------------------|-----------------------------|-------------------------|--|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | |
| 91. | 811217104005 | Gowtham Raaj K | II/CSE | 36 | 100 | 16 | 64 | 82 |
| 92. | 811217104007 | Jeya Pratha A | II/CSE | 36 | 100 | 22 | 88 | 94 |
| 93. | 811217104008 | Jickson S | II/CSE | 36 | 100 | 18 | 72 | 86 |
| 94. | 811217104009 | Kamatchi V | II/CSE | 36 | 100 | 22 | 88 | 94 |
| 95. | 811217104010 | Kokila V | II/CSE | 36 | 100 | 22 | 88 | 94 |
| 96. | 811217104011 | Lakshmi Priya M | II/CSE | 30 | 83 | 20 | 80 | 82 |
| 97. | 811217104012 | Naveen R | II/CSE | 36 | 100 | 20 | 80 | 90 |
| 98. | 811217104013 | Panneer Selvam R | II/CSE | 36 | 100 | 20 | 80 | 90 |
| 99. | 811217104014 | Princy Deepa X | II/CSE | 36 | 100 | 20 | 80 | 90 |
| 100. | 811217104015 | Raghul L | II/CSE | 36 | 100 | 15 | 60 | 80 |
| 101. | 811217104016 | Salma Banu M | II/CSE | 36 | 100 | 19 | 76 | 88 |
| 102. | 811217104017 | Seebika M | II/CSE | 36 | 100 | 22 | 88 | 94 |
| 103. | 811217104019 | Siva Sankari S | II/CSE | 33 | 92 | 18 | 72 | 82 |

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Department of Computer Science & Engineering

Academic Year 2018-2019 – Even Semester

| S.No. | Reg.No | Student's Name | Year/ Branch | Attendance Details | | VAC-MCQ TEST | | OVERALL MARK(100) (50% of A + 50% of B) |
|-------|--------------|---------------------|-----------------|-----------------------------|--------------------------------|-----------------------------|-------------------------|--|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | |
| 104 | 811217104020 | Swathi M | II/CSE | 36 | 100 | 17 | 68 | 84 |
| 105 | 811217104022 | Vasuki M | II/CSE | 36 | 100 | 18 | 72 | 86 |
| 106 | 811217104023 | Yogesh Kannan P H | II/CSE | 36 | 100 | 17 | 68 | 84 |
| 107 | 811217405001 | Padmadevi A | II/M.E | 36 | 100 | 16 | 64 | 82 |
| 108 | 811217405002 | Panimalar V | II/M.E | 36 | 100 | 16 | 64 | 82 |
| 109 | 811217405003 | Sankari R | II/M.E | 36 | 100 | 20 | 80 | 90 |
| 110 | 811217405004 | Shanmuga Priya M | II/M.E | 36 | 100 | 20 | 80 | 90 |
| 111 | 811217405005 | Suganya A | II/M.E | 36 | 100 | 22 | 88 | 94 |
| 112 | 811218405001 | Aswini. M | I/M.E | 36 | 100 | 17 | 68 | 84 |
| 113 | 811218405002 | Gwendolyn Rosetta.G | I/M.E | 36 | 100 | 19 | 76 | 88 |
| 114 | 811218405003 | Harish. V | I/M.E | 36 | 100 | 19 | 76 | 88 |
| 115 | 811218405004 | Nirmala.N | I/M.E | 36 | 100 | 20 | 80 | 90 |


VAC Coordinator




HoD/CSE

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

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Department of Computer Science & Engineering

Academic Year 2018-2019 – Even Semester

Report on Value Added Course

Title: C#

Resource Person:

Mrs. Sankari,
Project Manager,
Flink Technologies,
Kumbakonam

Mr. M. Krishnan,
Trainer Flink Technologies
Kumbakonam

Date of conduct from : 10.06.2019 To: 15.06.2019 Duration: 36 Hours

Organized Department : COMPUTER SCIENCE AND ENGINEERING

Participant Year:

UG-II,III,IV
PG-I,II

No. of Students Registered :

UG -106
PG - 09
TOTAL-115

Venue: SD LAB & NETWORK LAB
IGCE

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

- Know general knowledge in regard to C# programming language
- Gain knowledge in regard to general programming concepts.
- Develop comprehend C# cod.
- Apply the concepts of JDBC, Transaction processing, statement objects and Resultset to perform operations on Database
- Develop distributed web application using RMI, Servlets and JSP.
- Apply the concept of Cookies, Session, Enterprise JavaBeans and JAR files to develop server side applications

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 * Attendance in VAC out of 100 percentage + 0.5 * 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.



Indra Ganesan

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

Academic Year 2018-2019 – Even Semester

Report on Value Added Course

| | | | | | |
|------------------------|--|--|---------------------------------|-----------|----------|
| Title: | C# | | | | |
| Resource Person: | Mrs. Sankari, Project Manager, Flink Technologies, Kumbakonam | Mr. M. Krishnan, Trainer Flink Technologies Kumbakonam | | | |
| Date of conduct from : | 10.06.2019 | To: | 15.06.2019 | Duration: | 36 Hours |
| Organized Department : | COMPUTER SCIENCE AND ENGINEERING | | | | |
| Participant Year: | UG-II,III,IV PG-I,II | No. of Students Registered : | UG -106 PG - 09 TOTAL-115 | | |
| Venue: | SD LAB & NETWORK LAB IGCE | | | | |

Sample Photo




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.



Indra Ganesan


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



CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **ANITHA DEVI A** of
..... **FINAL YEAR CSE** has successfully completed the Value Added Course on C#
organized by Department of Computer Science and Engineering and Flink Technologies
from 10th June 2019 to 15th June 2019 (6 days) during the Academic year 2018-2019.

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



Indra Ganesan


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

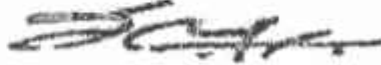


CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **Indhu.S** of
..... **FINAL YEAR CSE** has successfully completed the Value Added Course on C#
organized by Department of Computer Science and Engineering and Flink Technologies
from 10th June 2019 to 15th June 2019 (6 days) during the Academic year 2018-2019.

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

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **Ganeshkumar A** of
..... **THIRD.YEAR.CSE** has successfully completed the Value Added Course on C#
organized by Department of Computer Science and Engineering and Flink Technologies
from 10th June 2019 to 15th June 2019 (6 days) during the Academic year 2018-2019.

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



Indra Ganesan


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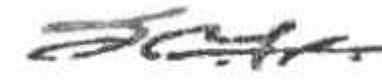


CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **Shanmuga Priya M.** of
..... **I.I.M.E.** has successfully completed the Value Added Course on C#
organized by Department of Computer Science and Engineering and Flink Technologies
from 10th June 2019 to 15th June 2019 (6 days) during the Academic year 2018-2019.

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