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

#### Board of Studies in Computer Applications

26th Meeting on 23.07.2022

#### **AGENDA**

- 26.1 To consider the minutes of the 25<sup>th</sup> meeting of the Board of Studies in Computer Applications held on 23.10.2021.
- 26.2 To consider the curriculum and syllabi under CBCS for the 3<sup>rd</sup> semester MCA under Regulations 2020 for the batch of students admitted during 2021 2022 (Appendix I).
- 26.3 To consider the curriculum and syllabi under CBCS for the 1st semester MCA under Regulation 2022 for the batch of students to be admitted during 2022 2023 (Appendix II).

26.4 Any other.

11.07.2022

Chairman

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

#### **Board of Studies in Computer Applications**

Minutes of the 26<sup>th</sup> meeting of the board of studies in Computer Applications held on 23.07.2022

#### MEMBERS PRESENT

1. Dr. V. Sathya Chairman 2. Dr. J.B. Jona University Nominee 3. Dr. S. Nickolas Academic Council Nominee 4. Dr. George Dharma Prkeshraj Academic Council Nominee 5. Mr. Victor Sundaraj Industry Representative 6. Mr. S. Sathishkumar Alumni 7. Dr. B.N. Sivakumar, HoD/MBA Interdisciplinary Expert 8. Dr. M. Lilly Florence, Prof./CSE Interdisciplinary Expert 9. Dr. D. Swamydoss Internal Member Internal Member 10. Prof. N. Sakthivel Internal Member 11. Prof. N. Amutha Internal Member 12. Prof. R. Sakthidharapriya

26.1 To consider the minutes of the 25<sup>th</sup> meeting of the Board of Studies in Computer Applications held on 23.10.2021.

**RESOLVED** that the minutes of 25<sup>th</sup> meeting of the Board of Studies in Computer Applications has been considered.

26.2 To consider the curriculum and syllabi under CBCS for the 3rd semester MCA under Regulations - 2020 for the batch of students admitted during 2021 – 2022.

**RESOLVED** that the curriculum and syllabi under CBCS for the  $3^{rd}$  semester MCA under Regulation - 2020 for the batch of students admitted during 2021 - 2022 be approved (*Appendix - I*).

26.3 To consider the curriculum and syllabi under CBCS for the Pi semester MCA under Regulation - 2022 for the batch of students to be admitted during 2022 - 2023

**RESOLVED** that the curriculum and syllabi under CBCS for the 1<sup>st</sup> semester MCA under Regulation - 2022 for the batch of students admitted during 2022 - 2023 be approved (*Appendix - II*).

23.07.2022

Chairman

| Sem   | Course                                       | Name of the Course         | pplications- 26 <sup>th</sup> BoS Recommendation (New Course Introduced/ Contents Incorporated |
|-------|--|----------------------------|--|
| Sem   | Code   | Name of the Course         | in the Corresponding Course)   |
|       |  |                            | 2022-2022  |
|       |  |                            | New Course Introduced  |
|       |  |                            | <ul> <li>Unit-I Data, Expression, Statements</li> </ul>  |
| 1     | 120CAT02                                     | Python Programming         | <ul> <li>Unit-II Control, Flow, Functions</li> </ul>   |
|       |  | Tymon Trogramming          | <ul> <li>Unit-III List, Tuples and Dictionaries</li> </ul>                                     |
|       |  |                            | <ul> <li>Unit-IV Files, Modules and Packages</li> </ul>  |
|       | 100  |                            | <ul> <li>Unit-V OOC and DB Integration in Python</li> </ul>                                    |
|       |  |                            | New Course Introduced  |
|       |  |                            | <ul> <li>Develop Fruitful functions</li> </ul>   |
| 2     | 120CAP06                                     | Python Programming         | <ul> <li>List, Tuples and Dictionaries</li> </ul>  |
|       |  | Lab                        | File Concept   |
|       | C Baco                                       |                            | <ul> <li>Inheritance</li> </ul>  |
|       |  |                            | MySQL Database   |
|       | 120CAE07                                     | Business Processes         | The following unit were added in this course   |
| 3     |  |                            | <ul> <li>Unit-III Business Process RE-Engineering</li> </ul>                                   |
|       |  |                            | Unit-IV BPR and IT Industry  |
|       |  | S 5                        | Unit – V Business Process  |
| 4     | 320CAT01                                     | Web Programming            | In Unit –V Introduced by Framework – Codeignter  |
|       |  |                            | Framework Installation – Laravel Framework View  |
| 5     | 320CAT02                                     | Mobile Application         | Unit-III View and Data Persistence and Unit –IV  |
|       |  | Development                | Messaging, Networking and Location Based Service were added.                                   |
| 6     | 2200 4 702                                   | Big Data                   | Unit –V Data Streaming and Hadoop Clustering   |
| 0     | 320CAT03                                     | Management                 | introduced in this course  |
|       |  |                            | New Course Introduced  |
|       | -  |                            | Unit-I Fundamentals of Agile   |
|       |  | Agila Cafe                 | Unit-II Agile Scrum Framework  |
| 7     | 320CAE03                                     | Agile Software Development | Unit-III Agile Testing   |
|       | e Tione I                                    | Development                | Unit-IV Agile Software Design and  |
|       |  |                            | Development Design and   |
|       |  |                            | Unit-V Industry Trends   |
| 8     | 320CAE06                                     | Professional               | Unit-IV Presentation strategies added in this  |
| *     |  | Communications             | courses  |
| 9     | 320CAL02                                     | Mobile Application         | Experiment based on iOS undeted in this  |
| 2041  | 20 30 00-00-00-00-00-00-00-00-00-00-00-00-00 | Development                | Experiment based on iOS updated in this course   |
| eedba | ck obtained ab                               | out Curriculum and sylls   | abus from Stakeholders( Faculty, Student, Alumni,  |

Employers) were also discussed and concluded.

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

# Board of Studies in Computer Applications

25th Meeting on 23.10.2021

#### **AGENDA**

- 25.1 To consider the minutes of the 24th meeting of the Board of Studies in Computer Applications held on 27.03.2021.
- 25.2 To consider the curriculum and syllabi under CBCS for the 6th semester MCA under Regulations - 2018 for the batch of students admitted during 2019 - 2020 (Appendix I).
- 25.3 To consider the curriculum and syllabi under CBCS for the 4th semester MCA under Regulations - 2020 for the batch of students admitted during 2020 - 2021 (Appendix II).
- 25.4 To consider the curriculum and syllabi under CBCS for the 2nd semester MCA under Regulation - 2020 for the batch of students admitted during 2021 - 2022 (Appendix III).

25.5 Any other.

13.10.2021

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

# **Board of Studies in Computer Applications**

Minutes of the 25th meeting of the board of studies in Computer Applications held on 23.10.2021

### MEMBERS PRESENT

1. Prof. N. Sakthivel 2. Dr. J.B. Jona 3. Dr. S. Nickolas

4. Dr. George Dharma Prakeshraj

5. Mr. Victor Sundaraj 6. Mr. S. Sathishkumar

7. Dr. B.N. Sivakumar, HoD/MBA

8. Dr. M. Lilly Florence, Prof./CSE

9. Dr. D.Swamydoss 10. Prof. N. Amutha

Chairman

University Nominee

Academic Council Nominee Academic Council Nominee Industry Representative

Alumni

Interdisciplinary Expert Interdisciplinary Expert

Internal Member Internal Member

25.1 To consider the minutes of the 24th meeting of the Board of Studies in Computer Applications held on 27.03.2021.

RESOLVED that the minutes of 24th meeting of the Board of Studies in Computer Applications has been considered.

25.2 To consider the curriculum and syllabi under CBCS for the 6th semester MCA under Regulation 2018 for the batch of students admitted during 2019 - 2020.

RESOLVED that the curriculum and syllabi under CBCS for the 6th semester MCA under Regulation 2018 for the batch of students admitted during 2019 - 2020 be approved (Appendix - I).

25.3 To consider the curriculum and syllabi under CBCS for the 4th semester MCA under 2020 regulations for the batch of students admitted during 2020 – 2021

**RESOLVED** that the curriculum and syllabi under CBCS for the  $4^{th}$  semester MCA under Regulation 2020 for the batch of students admitted during 2020 - 2021 be approved (*Appendix – II*).

25.4 To consider the curriculum and syllabi under CBCS for the 2nd semester MCA under Regulation 2020 for the batch of students admitted during 2021 – 2022.

**RESOLVED** that the curriculum and syllabi under CBCS for the 2<sup>nd</sup> Semester MCA under Regulation 2020 for the batch of students admitted during 2021 – 2022 be approved (*Appendix – III*).

23.10.2021

Chairman

|          | Departm         | ent Of Computer A                     | oplications- 25th BoS Recommendation                        |
|----------|-----------------|---------------------------------------|---|
| Sem      | Course<br>Code  | Name of the Course                    | (New Course Introduced/ Contents Incorporated               |
|          | Code            |                                       | in the Corresponding Course)                                |
|          | T               |                                       | 2021-2022   |
|          |                 | · · · · · · · · · · · · · · · · · · · | New Course Introduced                                       |
|          |                 | anners as                             | <ul> <li>Unit-I Java Fundamentals</li> </ul>                |
|          | 22001           | Object Oriented                       | <ul> <li>Unit-II Exception Handling and</li> </ul>          |
| 1        | 220CAT02        | Programming using                     | Multithreading  |
|          |                 | Java                                  | <ul> <li>Unit-III AWT and Event Handling</li> </ul>         |
|          |                 |                                       | <ul> <li>Unit-IV Networking and SQL Packages</li> </ul>     |
|          |                 |                                       | Unit-V Collection Framework                                 |
|          | 220CAT03        | Cloud Computing                       | The following unit were modified in this course             |
| 2        |                 |                                       | <ul> <li>Unit-III Cloud Service and File Systems</li> </ul> |
|          |                 |                                       | Unit-IV Virtualization                                      |
|          |                 |                                       | <ul> <li>Unit-V Security in Cloud</li> </ul>                |
|          |                 | Data Mining and<br>Data Warehousing   | The following unit were modified in this course             |
| 3        | 220CAE05        |                                       | <ul> <li>Unit-III Classification and Clustering</li> </ul>  |
|          |                 |                                       | <ul> <li>Unit-IV Data Warehousing</li> </ul>                |
|          |                 |                                       | <ul> <li>Unit- V Applications</li> </ul>                    |
|          |                 |                                       | The following unit were modified in this course             |
| 4        | 220CAE06        | Digital Marketing                     | <ul> <li>Marketing Trends</li> </ul>                        |
|          |                 | - Brian Franketing                    | <ul> <li>Affiliate and Marketing on Internet</li> </ul>     |
|          |                 |                                       | <ul> <li>Consumer Search and Resource Discovery</li> </ul>  |
| 5        | 220CAL01        | Java Programming                      | Develop a chat application using Java API added in          |
|          |                 | Lab                                   | this course   |
| 6        | 220CAL05        | Data Mining and                       | Naïve Bayes Classification and K-Nearest                    |
| U        | 220CAL05        | Data Warehousing<br>Lab               | Neighbour Classification added in this course.              |
| Feedba   | ack obtained at |                                       | 1 C C I I I I I I I I I I I I I I I I I                     |
| Emplo    | vers) were also | discussed and conclude                | abus from Stakeholders( Faculty, Student, Alumni,           |
| ~111p10, | jois) were also | discussed and conclude                | cu.   |

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

### Board of Studies in Computer Applications

24st Meeting on 27.03.2021

#### **AGENDA**

- 24.1 To consider the minutes of the 23<sup>rd</sup> meeting of the Board of Studies in Computer Applications held on 17.10.2020.
- 24.2 To consider the curriculum and syllabi under CBCS for the 5<sup>th</sup> semester MCA under Regulation 2018 for the batch of students admitted during 2019 2020 (Appendix I).
- 24.3 To consider the curriculum and syllabi under CBCS for the 3<sup>rd</sup> semester MCA under 2020 regulations for the batch of students admitted during 2020 2021 (Appendix II).
- 24.4 To consider the curriculum and syllabi under CBCS for the 1st semester MCA under Regulation 2020 for the batch of students to be admitted during 2021 2022 (Appendix III).

24.5 Any other.

Chairman

15.03.2021

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

### **Board of Studies in Computer Applications**

Minutes of the 24th meeting of the board of studies in Computer Applications held on 27.03.2021

#### MEMBERS PRESENT

1. Dr. S. Thirukumaran

2. Dr. J B Jona

3. Dr. S Nickolas

4. Dr. George Dharma Prkeshraj

5. Mr. Victor Sundaraj

6. Mr. S Sathishkumar

7. Dr. B.N. Sivakumar, HoD/MBA

8. Dr. M. Lilly Florence, Prof./CSE

9. Dr. D.Swamydoss

10. Prof. N. Sakthivel

Chairman

**University Nominee** 

Academic Council Nominee

Academic Council Nominee

**Industry Representative** 

Alumni

Interdisciplinary Expert

Interdisciplinary Expert

Internal Member

Internal Member

24.1 To consider the minutes of the 23<sup>rd</sup> meeting of the Board of Studies in Computer Applications held on 17.10.2020.

**RESOLVED** that the minutes of 23<sup>rd</sup> meeting of the Board of Studies in Computer Applications has been considered.

24.2 To consider the curriculum and syllabi under CBCS for the 5th semester MCA under Regulation 2018 for the batch of students admitted during 2019 – 2020.

**RESOLVED** that the curriculum and syllabi under CBCS for the  $5^{th}$  semester MCA under Regulation 2018 for the batch of students admitted during 2019 - 2020 be approved (*Appendix – I*).

24.3 To consider the curriculum and syllabi under CBCS for the 3rd semester MCA under 2020 regulations for the batch of students admitted during 2020 – 2021

RESOLVED that the curriculum and syllabi under CBCS for the 3<sup>rd</sup> semester MCA under Regulation 2020 for the batch of students admitted during 2020 – 2021 be approved (*Appendix – II*).

24.4 To consider the curriculum and syllabi under CBCS for the 1st semester MCA under Regulation 2020 for the batch of students to be admitted during 2021 - 2022.

RESOLVED that the curriculum and syllabi under CBCS for the 1st Semester MCA under Regulation 2020 for the batch of students to be admitted during 2021 – 2022 be approved (Appendix – III).

27.03.2021

Chairman

8.7

Chairman, Board of Studies
Free My at Several Applications (MCA) (PG)
Advanced Coffee of Engineering (Autonomous)
Howar - 635 109
Krishnag-n (Dt), Tamii Nadu.

|          | Departn                          | nent Of Computer A   | pplications- 24th BoS Recommendation                         |
|----------|----------------------------------|--|--|
| Sem      | Course                           | Name of the Course   | (New Course Introduced/ Contents Incorporate                 |
|          | Code                             |  | in the Corresponding Course)                                 |
|          |                                  |  | 2021-2022  |
|          |                                  |  | New Course Introduced  |
|          |                                  |  | <ul> <li>Unit-I Data, Expression, Statements</li> </ul>      |
| 1        | 120CAT02                         | <b>Python Programming</b>  | - II-'- II C + 1 Pl P  |
|          | 10                               | 1 julion 1 rogramming  | <ul> <li>Unit-III List, Tuples and Dictionaries</li> </ul>   |
|          |                                  |  | <ul> <li>Unit-IV Files, Modules and Packages</li> </ul>      |
| ne men s |                                  | population is not some .   | Unit-V OOC and DB Integration in Pytho                       |
|          |                                  | 9  | New Course Introduced  |
|          |                                  | Marco 27   | <ul> <li>Develop Fruitful functions</li> </ul>               |
| 2        | 120CAP06                         | Python Programming   | <ul> <li>List, Tuples and Dictionaries</li> </ul>            |
|          |                                  | Lab  | File Concept   |
|          |                                  |  | <ul> <li>Inheritance</li> </ul>                              |
|          |                                  |  | <ul> <li>MySQL Database</li> </ul>                           |
|          |                                  |  | The following unit were added in this course                 |
| 3        | 120CAE07                         | Business Processes   | <ul> <li>Unit-III Business Process RE-Engineering</li> </ul> |
|          |                                  | 24511655 110663563   | Unit-IV BPR and IT Industry                                  |
|          |                                  | э.   | <ul> <li>Unit – V Business Process</li> </ul>                |
| 4        | 320CAT01                         | Web Programming  | In Unit -V Introduced by Framework - Codeignter              |
|          |                                  | Web Frogramming  | Framework Installation – Laravel Framework View              |
| _        | 320CAT02                         | Development  | Unit-III View and Data Persistence and Unit -IV              |
| 5        |                                  |  | Messaging, Networking and Location Based                     |
|          |                                  |  | Service were added.  |
| 6        | 320CAT03                         | Big Data   | Unit -V Data Streaming and Hadoop Clustering                 |
|          |                                  | Management   | introduced in this course                                    |
|          |                                  |  | New Course Introduced  |
|          |                                  |  | Unit-I Fundamentals of Agile                                 |
| 7        | 320CAE03                         | Agile Software   | Unit-II Agile Scrum Framework                                |
| ,        | 320CAE03                         | Development  | Unit-III Agile Testing                                       |
|          |                                  | The state of the s | <ul> <li>Unit-IV Agile Software Design and</li> </ul>        |
|          |                                  |  | Development  |
| 500      |                                  | Professional   | Unit-V Industry Trends                                       |
| 8        | 320CAE06                         | Communications   | Unit-IV Presentation strategies added in this                |
|          | 8 0 1                            | Mobile Application   | courses  |
| 9        | 320CAL02                         | Development Development  | Experiment based on iOS updated in this course               |
|          | 11                               |  | The following content added in this course                   |
| 10       |                                  |  | <ul> <li>Unit –II Architecture Overview</li> </ul>           |
| 10       | 518CAT01                         | Internet of Things   | <ul> <li>Unit-IV Architecture Reference Model</li> </ul>     |
|          | A Tombridge and the first of the |  | <ul> <li>Unit – V Real World Design Constraints</li> </ul>   |
|          |                                  |  | <ul> <li>Unit –V Commercial Building automation</li> </ul>   |
| = ,      |                                  |  | New Course Introduced  |
|          |                                  | (1.5 %) × (4.1   | <ul> <li>Unit-I Introduction to Javascript</li> </ul>        |
| 11       | 518CAT02                         | Advanced Java  | <ul> <li>Unit-II Javascript Object</li> </ul>                |
|          |                                  | Scripting Language   | <ul> <li>Unit-III Angular JS Basics</li> </ul>               |
|          |                                  |  | <ul> <li>Unit-IV Node JS</li> </ul>                          |
|          |                                  |  | <ul> <li>Unit-V Reach JS</li> </ul>                          |
| ,        | £100 4 7702                      | Open Sources   | The following unit added in this course                      |
| 12       | 518CAT03                         | Technologies   | <ul> <li>Unit-III Python Network and GUI</li> </ul>          |
|          |                                  |  | Programming  |

|    |          |                                 | <ul> <li>Unit-IV Python for Data Analysis</li> <li>Unit – V Python and AWS</li> </ul>  |
|----|----------|---------------------------------|--|
| 13 | 518CAE02 | Big Data<br>Management          | The following unit added in this course  Unit – III Map Reduce  Unit-IV Pig, Hive and Hbase  Data Streaming and Hadoop Clustering  |
| 14 | 518CAE09 | Digital Marketing<br>Management | The Following unit added in this course  Unit-III Marketing Trends  Unit – IV Affiliate and Marketing on Internet  Unit-V Consumer Search and Resource Discovery   |
| 15 | 518CAL01 | Advanced Javascript  Lab        | New course Introduced  |
| 16 | 518CAL02 | Open Source<br>Technologies Lab | The following experiment added in this course  • Python PyQt  • QMessageBox  • wxPython  • Data Analysis using Pandas  • Python Django  • Python Flask  labus from Stakeholders( Faculty, Student, Alumni, |

and

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

### Board of Studies in Computer Applications 23rd Meeting on 17.10.2020

#### AGENDA

- 23.1 To consider the minutes of the 22<sup>nd</sup> meeting of the Board of Studies in Computer Applications held on 06.11.2019.
- 23.2 To consider the minutes of meeting of the Board of Studies in Computer Applications held on 18.06.2020.
- 23.3 To consider the curriculum and syllabi under CBCS for the 5th semester MCA under 2018 regulations for the batch of students admitted during 2018 - 19 (Appendix I).
- 23.4 To consider the curriculum and syllabi under CBCS for the 3<sup>rd</sup> semester MCA under 2018 regulations for the batch of students admitted during 2019 - 20 (Appendix II).
- 23.5 To consider the curriculum and syllabi under CBCS for the 1st semester MCA under 2020 regulations for the batch of students to be admitted during 2020 - 21 (Appendix III).
- 23.6 To consider the bridge course of one year duration for the Non Computer Science students under 2020 regulations for the batch of students to be admitted during 2020 - 2021 (Appendix IV).
- 23.7 To consider the curriculum and syllabi under CBCS for the 6th semester MCA under 2018 regulations for the batch of students admitted during 2018 - 19 (Appendix V).
- 23.8 To consider the curriculum and syllabi under CBCS for the 4th semester MCA under 2018 regulations for the batch of students admitted during 2019 - 20 (Appendix VI).
- 23.9 To consider the curriculum and syllabi under CBCS for the 2<sup>nd</sup> semester MCA under 2020 regulations for the batch of students to be admitted during 2020 - 21 (Appendix VII).
- 23.10 To Consider the Panel of Examiners for the purpose of Evaluation (Appendix VIII).

23.11 Any other.

Chairman, Board or Studies Faculty of Computer Applications (MCA) (PG) Adhiyamaan Coffege of Engineering (Autonomous) Hosur - 635 109

Krishnagiri (Dt), Tamil Nadu.

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

#### **Board of Studies in Computer Applications**

Minutes of the 23<sup>rd</sup> meeting of the board of studies in Computer Applications held on 17.10.2020

#### MEMBERS PRESENT

1. Dr. S. Thirukumaran Chairman 2. Dr. J B Jona University Nominee 3. Dr. S Nickolas Academic Council Nominee 4. Dr. George Dharma Prkeshraj **Academic Council Nominee** 5. Mr. Victor Sundaraj **Industry Representative** 6. Mr. S Sathishkumar S Alumni 7. Dr. B.N. Sivakumar, HoD/MBA Interdisciplinary Expert 8. Dr. M. Lilly Florence, Prof./CSE Interdisciplinary Expert 9. Dr. D.Swamydoss Internal Member 10. Prof. N. Sakthivel Internal Member

23.1 To consider the minutes of the 22<sup>nd</sup> meeting of the Board of Studies in Computer Applications held on 06.11.2019.

**RESOLVED** that the minutes of 22<sup>nd</sup> meeting of the Board of Studies in Computer Applications has been considered.

23.2 To consider the minutes of meeting of the Board of Studies in Computer Applications held on 18.06.2020.

**RESOLVED** that the minutes of meeting of the Board of Studies in Computer Applications has been considered.

- 23.3 To consider the curriculum and syllabi under CBCS for the 5th semester MCA under 2018 regulations for the batch of students admitted during 2018 19
  - **RESOLVED** that the curriculum and syllabi under CBCS for the 5<sup>th</sup> semester MCA under Regulation 2018 for the batch of students admitted during 2018 2019 be approved (*Appendix I*).
- 23.4 To consider the curriculum and syllabi under CBCS for the 3<sup>rd</sup> semester MCA under 2018 regulations for the batch of students admitted during 2019 20
  - **RESOLVED** that the curriculum and syllabi under CBCS for the  $3^{rd}$  semester MCA under Regulation 2018 for the batch of students admitted during 2019 2020 be approved (*Appendix II*).
- 23.5 To consider the curriculum and syllabi under CBCS for the 1st semester MCA under 2020 regulations for the batch of students to be admitted during 2020 21
  - **RESOLVED** that the curriculum and syllabi under CBCS for the 1<sup>st</sup> semester MCA under Regulation 2020 for the batch of students to be admitted during 2020 2021 be approved (*Appendix III*).
- 23.6 To consider the bridge course of one year duration for the Non Computer Science students under 2020 regulations for the batch of students to be admitted during 2020 2021
  - **RESOLVED** that the bridge course of one year duration for the Non Computer Science students under 2020 regulations for the batch of students to be admitted during 2020-2021 be approved (*Appendix IV*).
- 23.7 To consider the curriculum and syllabi under CBCS for the 6<sup>th</sup> semester MCA under 2018 regulations for the batch of students admitted during 2018 19
  - **RESOLVED** that the curriculum and syllabi under CBCS for the  $6^{th}$  semester MCA under 2018 regulations for the batch of students admitted during 2018 19 be approved (*Appendix V*).

23.8 To consider the curriculum and syllabi under CBCS for the 4<sup>th</sup> semester MCA under 2018 regulations for the batch of students admitted during 2019 – 20.

**RESOLVED** that the curriculum and syllabi under CBCS for the  $4^{th}$  semester MCA under 2018 regulations for the batch of students admitted during 2019 - 20 be approved (*Appendix - VI*).

23.9 To consider the curriculum and syllabi under CBCS for the 2nd semester MCA under 2020 regulations for the batch of students to be admitted during 2020 – 21

**RESOLVED** that the curriculum and syllabi under CBCS for the 2<sup>nd</sup> semester MCA under 2020 regulations for the batch of students to be admitted during 2020 – 21 be approved (*Appendix – VII*).

23.10 To Consider the Panel of Examiners for the purpose of Evaluation

**RESOLVED** that the Panel of Examiners for the purpose of Evaluation be approved (*Appendix - VIII*).

17.10.2020

Chairman

|     | Department Of Computer Applications- 23th BoS Recommendation |  |  |
|-----|--|--|--|
| Sem | Course   | Name of the Course                         | (New Course Introduced/ Contents   |
|     | Code   |  | Incorporated in the Corresponding Course)  |
|     |  |  | 2020-2021  |
| 1   | 120CAT02   | Python Programming                         | <ul> <li>Unit-III List, Tuples and Dictionaries</li> <li>Unit-IV Files, Modules and Packages</li> </ul>  |
| 2   | 120CAP06   | Python Programming Lab                     | <ul> <li>Unit-V OOC and DB Integration in Python</li> <li>New Course Introduced</li> <li>Develop Fruitful functions</li> <li>List, Tuples and Dictionaries</li> <li>File Concept</li> <li>Inheritance</li> <li>MySQL Database</li> </ul> |
| 3   | 120CAE07   | Business Processes                         | The following unit were added in this course  Unit-III Business Process RE-Engineering Unit-IV BPR and IT Industry Unit – V Business Process   |
| 4   | (220CAT02)   | Object Oriented Programming using Java     | New Course Introduced  Unit-I Java Fundamentals  Unit-II Exception and Multithreading  Unit-III AWT and Event Handling  Unit-IV Networking and SQL Packages  Unit-V Collection Framework   |
| 5   | 220CAT03   | Cloud Computing                            | The following unit were modified in this course  |
| 6   | 220CAE05   | Data Mining and<br>Data Warehousing        | <ul> <li>The following unit were modified in this course</li> <li>Unit-III Classification and Clustering</li> <li>Unit-IV Data Warehousing</li> <li>Unit- V Applications</li> </ul>  |
| 7   | 220CAE06   | Digital Marketing                          | The following unit were modified in this course  • Marketing Trends  • Affiliate and Marketing on Internet  • Consumer Search and Resource Discovery   |
| 8   | 220CAL01   | Java Programming<br>Lab                    | Develop a chat application using Java API added in this course   |
| 9   | 220CAL05   | Data Mining and<br>Data Warehousing<br>Lab | Naïve Bayes Classification and K-Nearest<br>Neighbour Classification added in this course.   |
| 10. | 318CAT01   | Java Programming                           | Three Unit were modified in this course  • Unit – II I/O Multithreading Concepts  • Unit-III AWT and Event Handling  • Unit – V Java Servlet   |
| 11. | 318CAT03   | C# and DOT Net<br>Programming              | <ul> <li>Unit –IV Application Development on .NET</li> <li>Unit –V Web Based Application Development on .NET</li> <li>Unit IV and Unit –V updated</li> </ul>   |

|                 |                              |  | The following Lab exercise added  • Exception Handling   |
|-----------------|------------------------------|--|--|
| 12.             | 318CAP06                     | Java Programming   | JDBC Connection  |
|                 |                              | Lab  | Java Servlet program with JDBC   |
|                 |                              | Advanced Detail  | The following Unit added in this course  |
| 13.             | 318CAE03                     | Advanced Database  | Unit-III Intelligent Databases   |
| 13.             | 318CAE03                     | Management   | Unit- IV Data Models   |
|                 |                              | Systems  | Unit –V XML Database   |
|                 |                              |  | Entire Syllabus of the course introduced.  |
|                 |                              |  | Unit – I Introduction to HRM   |
|                 |                              |  | Unit-II HR Planning, Recruitment and   |
|                 |                              | _=   | Selection Selection  |
| 14.             | 318CAE07                     | Human Resource   | Unit-III Wage, Salary Administration &   |
|                 |                              | Management   | Appraising and Managing Performance  |
|                 |                              |  | Unit-IV Training and Executing   |
|                 |                              |  | Development.   |
|                 |                              | <u>.</u>   | Unit-V Recent Trends in HR   |
|                 |                              |  | The Following exercise added in this course  |
|                 |                              | C# & DOT NET<br>Programming Lab  | Calculator Widget  |
| 15.             | 318CAL01                     |  |  |
| 10.             | 3 TOCHEOT                    |  | Window Application using ADO.Net     Martan Paramina ASP.N.  |
|                 |                              |  | Master Page using ASP.Net  |
| Marie State Co. | A Commence of the second     | A STATE OF S | Develop Web Page using Web Services.  The fellowing in the left of the services.   |
|                 |                              | Web Programming  | The following unit added in this course  |
| 16.             | 418CAT01                     |  | Unit-III Working with Database and   |
|                 |                              |  | Cookies  |
|                 |                              |  | Unit – V PHP Frameworks  Particular to the big of the control      |
|                 |                              |  | Particular content added in the following unit.  |
|                 | ļ.                           |  | Unit-II – Mining Association Rules:  Application Provides Pro      |
| 17.             | 418CAT02                     | Data Warehousing   | Apriori Algorithm- Partition Algorithm and   |
|                 | 110011102                    | and Data Mining  | FP-Free Growth Algorithm   |
|                 |                              | l k  | <ul> <li>Unit-III Hierarchical Methods: BIRCH,<br/>ROCK and CHAMELON</li> </ul>  |
|                 |                              |  | Annual Control of the |
|                 |                              |  | Unit –V Applications.  The following unit added in this course   |
|                 |                              |  |  |
| 1000            |                              | Mobile Application   | <ul> <li>Unit-II Activities, Intents and Components</li> <li>Unit-III Views and Data Persistence</li> </ul>  |
| 18.             | 418CAT03                     | Mobile Application Development   | Unit-IV Messaging, Networking and  |
|                 |                              | 20 veropinent  | Location Based Services  |
|                 | Property of the Section 1995 | er ar  | Unit- V IOS  |
|                 |                              |  | The following Exercise added in this course  |
|                 |                              |  | Web Application using PHP and MySQL  |
| 19.             | 418CAP06                     | Web Programing   | Web Application using PHP and MySQL     Web Responsive   |
|                 |                              | Lab  | File Concept in PHP  |
|                 |                              |  | File Operations.   |
|                 |                              |  | Entire Syllabus added in this course   |
|                 |                              |  | Unit – I Basics of Technical   |
|                 |                              |  | Communications   |
| 20.             | 418CAE08                     | Professional   | Unit-II Constitutes of Technical Written   |
|                 |                              | Communication  | Communications   |
|                 | =                            | . s. x   | Unit-III Forms of Technical  |
|                 |                              |  | Communications   |
|                 |                              |  | Communications   |

|     |           |                                      | <ul> <li>Unit –IV Presentation Strategies</li> <li>Unit – V Career Skills</li> </ul>   |
|-----|-----------|--------------------------------------|--|
| 21. | 418CAL04  | Executive<br>Communication<br>Skills | <ul> <li>Experiments added in the course are</li> <li>Soft skills</li> <li>Listening and Reading Comprehensive</li> <li>Presentation Skills, Body Languages</li> <li>Training in Group Discussion</li> <li>Resume / Letter Writing</li> </ul>  |
| 22  | 518CAT01  | Internet of Things                   | <ul> <li>Report Preparation, Grammar</li> <li>The following content added in this course</li> <li>Unit –II Architecture Overview</li> <li>Unit-IV Architecture Reference Model</li> <li>Unit – V Real World Design Constraints</li> <li>Unit –V Commercial Building automations</li> </ul> |
| 23  | 518CAT02  | Advanced Java Scripting Language     | New Course Introduced  Unit-I Introduction to Javascript Unit-II Javascript Object Unit-III Angular JS Basics Unit-IV Node JS Unit-V Reach JS  |
| 24  | 518CAT03  | Open Sources<br>Technologies         | The following unit added in this course  Unit-III Python Network and GUI Programming  Unit-IV Python for Data Analysis Unit – V Python and AWS   |
| 25  | 518CAE02  | Big Data<br>Management               | The following unit added in this course  Unit – III Map Reduce  Unit-IV Pig, Hive and Hbase  Data Streaming and Hadoop Clustering  |
| 26  | 518CAE09  | Digital Marketing<br>Management      | The Following unit added in this course  Unit-III Marketing Trends  Unit – IV Affiliate and Marketing on Internet  Unit-V Consumer Search and Resource Discovery   |
| 27  | 518CAL01  | Advanced Javascript<br>Lab           | New Course Introduced  |
| 8   | 310071202 | Open Source<br>Technologies Lab      | The following experiment added in this course  |

Feedback obtained about Curriculum and syllabus from Stakeholders (Faculty, Student, Alumni, Employers) were also discussed and concluded.

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

### Board of Studies in Computer Applications

22nd Meeting on 06.11.2019

#### **AGENDA**

- 22.1 To consider the minutes of the 21st meeting of the Board of Studies in Computer Applications held on 27.04.19.
- 22.2 To consider the curriculum and syllabi under CBCS for the 6<sup>th</sup> semester MCA under 2015 regulations for the batch of students admitted during 2017 2018 (Appendix I).
- 22.3 To consider the curriculum and syllabi under CBCS for the 4<sup>th</sup> semester MCA under 2018 regulations for the batch of students admitted during 2018 2019 (Appendix II).
- 22.4 To consider the curriculum and syllabi under CBCS for the 2<sup>nd</sup> semester MCA under 2018 regulations for the batch of students admitted during 2019 2020 (Appendix III).

22.5 Any other.

21.10.2019

Chairman

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

# **Board of Studies in Computer Applications**

Minutes of the 22<sup>nd</sup> meeting of the board of studies in Computer Applications held on 06.11.2019

### MEMBERS PRESENT

| Dr. S. Thirukumaran Dr. N. Shenbhagavadivu Dr. R. Latha Dr. D.Swamydoss Prof. N. Sakthivel Dr. B.N. Sivakumar                  | Chairman Academic Council Nominee Academic Council Nominee Internal Member Internal Member Interdisciplinary Expert |  |  |
|--|---|--|--|
| <ol> <li>Prof. N. Sakthivel</li> <li>Dr. B.N. Sivakumar</li> <li>Dr. M. Lilly Florence</li> <li>Mr. K. Bala Murugan</li> </ol> | Interdisciplinary Expert<br>Interdisciplinary Expert<br>Alumni  |  |  |

22.1 To consider the minutes of the 21st meeting of the Board of Studies in Computer Applications held on 27.04.2019.

**RESOLVED** that the minutes of 21st meeting of the Board of Studies in Computer Applications has been considered.

22.2 To consider the curriculum and syllabi under CBCS for the 6<sup>th</sup> semester MCA under Regulation 2015 for the batch of students admitted during 2017 – 2018.

**RESOLVED** that the curriculum and syllabi under CBCS for the  $6^{th}$  semester MCA under Regulation 2015 for the batch of students admitted during 2017 - 2018 be approved (*Appendix - I*).

22.3 To consider the curriculum and syllabi under CBCS for the 4<sup>th</sup> semester MCA under Regulation 2018 for the batch of students admitted during 2018 – 2019.

**RESOLVED** that the curriculum and syllabi under CBCS for the 4<sup>th</sup> semester MCA under Regulation 2018 for the batch of students admitted during 2018 – 2019 be approved (*Appendix – II*).

22.4 To consider the curriculum and syllabi under CBCS for the 2<sup>nd</sup> semester MCA under Regulation 2018 for the batch of students admitted during 2019 – 2020.

**RESOLVED** that the curriculum and syllabi under CBCS for the 2<sup>nd</sup> Semester MCA under Regulation 2018 for the batch of students admitted during 2019 – 2020 be approved (*Appendix – III*).

06.11.2019

Chairman
Chairman, Board of Studies

Faculty of Computer Applications (Autonomous)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

|     | Department Of Computer Applications- 22th BoS Recommendation |  |  |
|-----|--|--|--|
| Sem | Course   | Name of the Course   | (New Course Introduced/ Contents Incorporated                                    |
|     | Code   | production of the production of the state of the production of the | in the Corresponding Course)   |
|     |  | _  | 2019-2020  |
|     |  |  | New Course Introduced  |
|     |  |  | <ul> <li>Unit-I Introduction to WWW</li> </ul>                                   |
| 1   | 218CAT02   | Internet   | <ul> <li>Unit – II UI Design</li> </ul>  |
|     |  | Programming  | <ul> <li>Unit-III Overview of Cascading Style Sheet</li> </ul>                   |
|     |  |  | <ul> <li>Unit –IV Overview of JavaScript</li> </ul>                              |
|     |  |  | <ul> <li>Unit – V Advanced Features of JavaScript</li> </ul>                     |
|     |  | = 1  | The Following syllabus introduced  |
|     |  | Object Oriented  | <ul> <li>Unit-I Introduction to OOPs</li> </ul>                                  |
| 2.  | 218CAT03   | Programming and  | <ul> <li>Unit-II Overloading and Template</li> </ul>                             |
|     | Data Structures  | <ul> <li>Unit-III Inheritance</li> </ul>   |  |
|     |  | Julia Stractures   | <ul> <li>Unit –IV Linear Data Structures</li> </ul>                              |
|     |  | (4   | <ul> <li>Unit – V Non – Linear Tree Structures</li> </ul>                        |
|     |  |  | The Following Syllabus Introduced  |
|     |  |  | HTML5  |
| 3.  | 218CAP06   | Internet   | <ul> <li>Javascript</li> </ul>   |
| ٥.  | 2100/11/00   | Programming Lab  | <ul> <li>Class, Interface and Packages</li> </ul>                                |
|     |  | Programming Lab  218CAF02 Management   | <ul> <li>Swing Application – Calculator</li> </ul>                               |
|     |  |  | <ul> <li>GUI – Application using JFrame Class</li> </ul>                         |
|     |  |  | The Unit wise Modification shown   |
|     |  |  | <ul> <li>Unit-II Infrastructure and Platforms</li> </ul>                         |
|     |  | Management<br>Information Systems  | <ul> <li>Unit-III Managing Knowledge in Digital</li> </ul>                       |
| 4.  | 218CAE02   |  | Firm   |
| 7.  | 218CAE02   |  | <ul> <li>Unit –IV Decision Support Systems and</li> </ul>                        |
|     |  | 10   | Experts Systems  |
|     | 7 10 8   |  | Unit-V Enterprise Management information   |
|     |  |  | system planning.   |
|     |  |  | New Course Introduced  |
|     |  |  | <ul> <li>OOPs Concept</li> </ul>   |
|     |  | Data Structures Lab  | <ul> <li>Overloading</li> </ul>  |
| 5.  | 218CAL02   | Data Structures Lab using C++  | <ul> <li>Implementation of Stack, Queue and</li> </ul>                           |
|     |  |  | Linked List  |
|     |  |  | <ul> <li>Polynomial Additions</li> </ul>   |
|     |  |  | Binary Search Tree   |
|     |  |  | The following unit added in this course  |
| 6.  | 418CAT01   | Web Programming  | <ul> <li>Unit-III Working with Database and</li> </ul>                           |
|     |  | l and a regulation   | Cookies  |
|     |  |  | Unit – V PHP Frameworks  |
|     |  |  | Particular content added in the following unit.                                  |
|     |  |  | Unit-II – Mining Association Rules: Apriori                                      |
| 7.  | 419C A TOO   | Data Warehousing   | Algorithm- Partition Algorithm and FP-Free                                       |
| 1.  | 418CAT02   | and Data Mining  | Growth Algorithm   |
|     |  |  | Unit-III Hierarchical Methods: BIRCH, ROCK and                                   |
|     |  | ×  | CHAMELON<br>Unit V Applications  |
|     |  |  | Unit –V Applications.  |
| 8.  | 418CAT03   | Mobile Application   | The following unit added in this course  |
| 0.  | 710CA103   | Development  | Unit-II Activities, Intents and Components     Unit III Views and Data Parisitan |
|     |  | L  | Unit-III Views and Data Persistence  |

|     |          |                                      | <ul> <li>Unit-IV Messaging, Networking and<br/>Location Based Services</li> <li>Unit- V IOS</li> </ul>  |
|-----|----------|--------------------------------------|---|
| 9.  | 418CAP06 | Web Programing Lab                   | The following Exercise added in this course  • Web Application using PHP and MySQL  • Web Responsive  • File Concept in PHP  • File Operations.   |
| 10. | 418CAE08 | Professional<br>Communication        | Entire Syllabus added in this course Unit – I Basics of Technical Communications Unit-II Constitutes of Technical Written Communications Unit-III Forms of Technical Communications Unit –IV Presentation Strategies Unit – V Career Skills |
| 11. | 418CAL04 | Executive<br>Communication<br>Skills | Experiments added in the course are  Softskills Listening and Reading Comprehensive Presentation Skills Body Languages Training in Group Discussion Resume / Letter Writing Report Preparation Grammar                                      |

Feedback obtained about Curriculum and syllabus from Stakeholders( Faculty, Student, Alumni, Employers) were also discussed and concluded.

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

### Board of Studies in Computer Applications

21st Meeting on 27.04.2019

#### **AGENDA**

- 21.1 To consider the minutes of the 20<sup>th</sup> meeting of the Board of Studies in Computer Applications held on 19.11.2018.
- 21.2 To consider the curriculum and syllabi under CBCS for the 5<sup>th</sup> semester MCA under Regulation 2015 for the batch of students admitted during 2017 2018 (Appendix I).
- 21.3 To consider the curriculum and syllabi under CBCS for the 3<sup>rd</sup> semester MCA under 2018 regulations for the batch of students admitted during 2018 2019 (Appendix II).
- 21.4 To consider the curriculum and syllabi under CBCS for the 1<sup>st</sup> semester MCA under Regulation 2018 for the batch of students to be admitted during 2019 2020 (Appendix III).

21.5 Any other.

10.04.2019

Chairman

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

### **Board of Studies in Computer Applications**

Minutes of the 21st meeting of the board of studies in Computer Applications held on 27.04.2019

#### MEMBERS PRESENT

1. Dr. D. Swamydoss

2. Dr. H. Khanna Nehemiah

3. Dr. N. Shenbhagavadivu

Mr. K. Bala Murugan
 Dr. B.N. Siyakumar

6. Dr. M. Lilly Florence

7. Prof. S. Thirukumaran

8. Prof. K. Raja

9. Prof. K. Satheesh

Chairman

**University Nominee** 

**Academic Council Nominee** 

Alumni

Interdisciplinary Expert

Interdisciplinary Expert

**Internal Member** 

Internal Member

Internal Member

21.1 To consider the minutes of the 20<sup>th</sup> meeting of the Board of Studies in Computer Applications held on 19.11.2018.

**RESOLVED** that the minutes of 20<sup>th</sup> meeting of the Board of Studies in Computer Applications has been considered.

21.2 To consider the curriculum and syllabi under CBCS for the 5th semester MCA under Regulation 2015 for the batch of students admitted during 2017 – 2018.

**RESOLVED** that the curriculum and syllabi under CBCS for the  $5^{th}$  semester MCA under Regulation 2015 for the batch of students admitted during 2017 - 2018 be approved (*Appendix - I*).

21.3 To consider the curriculum and syllabi under CBCS for the 3<sup>rd</sup> semester MCA under Regulation 2018 for the batch of students admitted during 2018 – 2019.

RESOLVED that the curriculum and syllabi under CBCS for the 3<sup>rd</sup> semester MCA under Regulation 2018 for the batch of students admitted during 2018 – 2019 be approved (*Appendix – II*).

21.4 To consider the curriculum and syllabi under CBCS for the 1st semester MCA under Regulation 2018 for the batch of students to be admitted during 2019 – 2020.

**RESOLVED** that the curriculum and syllabi under CBCS for the 1<sup>st</sup> Semester MCA under Regulation 2018 for the batch of students to be admitted during 2019 – 2020 be approved (*Appendix – III*).

27.04.2019

Chairman

|     | Departme   | ent Of Computer Ap   | plications- 21th BoS Recommendation   |
|-----|------------|--|---|
| Sem | Course     | Name of the Course   | (New Course Introduced/ Contents Incorporated   |
| Jem | Code       | TOURSE WAS STORY IN THE STORY OF THE STORY IN THE STORY I | in the Corresponding Course)  |
|     | _          | 2  | 2019-2020   |
| 1   | (118CAE09) | Introduction to Unix   | New Course introduced.  Unit-I Introduction  Unit – II File Systems  Unit-III Filters  Unit-IV C Shell Programming  Unit-V Advanced Topics  |
| 2.  | 118CAL05   | Unix Lab   | New Course introduced   |
| 3.  | 318CAT01   | Java Programming   | Three Unit were modified in this course Unit – II I/O Multithreading Concepts Unit-III AWT and Event Handling Unit – V Java Servlet   |
| 4.  | 318CAT03   | C# and DOT Net<br>Programming  | Unit –IV Application Development on .NET Unit –V Web Based Application Development on .NET Unit IV and Unit –V updated  |
| 5.  | 318CAP06   | Java Programming<br>Lab  | The following Lab exercise added  |
| 6.  | 318CAE03   | Advanced Database<br>Management<br>Systems   | The following Unit added in this course Unit-III Intelligent Databases Unit- IV Data Models Unit –V XML Database  |
| 7.  | 318CAE07   | Human Resource<br>Management   | Entire Syllabus of the course introduced. Unit – I Introduction to HRM Unit-II HR Planning, Recruitment and Selection Unit-III Wage, Salary Administration & Appraising and Managing Performance Unit-IV Training and Executing Development. Unit-V Recent Trends in HR |
| 8.  | 318CAL01   | C# & DOT NET<br>Programming Lab  | The Following exercise added in this course   |
| 9.  | (515CAT01) | (Internet of Things  | The Syllabus has been framed with following unit  Unit-I Internet of Things  Unit-II M2M to IoT A Market Perspective  Unit-III M2M and IoT Technology Fundamentals  Unit-IV IoT Architecture –State of the Art  Unit-V IoT Reference Architecture                       |

| 10. | 515CAT02 | Mobile Application<br>Development     | Unit – III: Android Application Development Modified. Unit – IV IoS Updated Unit –V Windows Phone with Case Study updated.  |
|-----|----------|---------------------------------------|---|
| 11. | 515CAT03 | Big Data  Management                  | The Syllabus framed with the following unit  Unit-I Basics of Data and NOSQL Data Management  Unit-II Hadoop Introduction  Unit-III Map Reduce Applications  Unit-IV PIG, HIVE and HBASE  Unit-V Data Streaming and Hadoop Clustering |
| 12. | 515CAE02 | Open Source Technologies              | The following units introduced.  • Unit-I Introduction to Python  • Unit-II Sequence, Conditionals, Loops and File I/O  • Unit-III Python Network and GUI Programming  • Unit-IV Python and AWS  • Unit-V Python for Data Analysis    |
| 13. | 515CAE09 | Digital Marketing Management          | The Syllabus framed with following unit  Unit-I Introduction  Unit-II Search Engine Marketing  Unit-III Marketing Trends  Unit-IV Affiliate and Marketing on Internet  Unit-V Consumer Search and Resource Discovery                  |
| 15. | 515CAL01 | Mobile Application<br>Development Lab | The Following Lab Exercise added in the course  |
| 16. | 515CAL02 | Open Source<br>Technologies Lab       | The Following Lab Exercise added in the Course  Django Flask MDI-GUI QMessageBox wxPython Cloud Storage Matplotlib Pandas.  |

Feedback obtained about Curriculum and syllabus from Stakeholders( Faculty, Student, Alumni, Employers) were also discussed and concluded.

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

### Board of Studies in Computer Applications

20th Meeting on 19.11.2018

#### **AGENDA**

- 20.1 To consider the minutes of the 19<sup>th</sup> meeting of the Board of Studies in Computer Applications held on 20.04.2018.
- 20.2 To consider the curriculum and syllabi under CBCS for the 6<sup>th</sup> semester MCA under 2015 regulations for the batch of students admitted during 2016 2017.
  (Appendix I)
- 20.3 To consider the curriculum and syllabi under CBCS for the 4<sup>th</sup> semester MCA under 2015 regulations for the batch of students admitted during 2017 2018.
  (Appendix II)
- 20.4 To consider the curriculum and syllabi under CBCS for the 2<sup>nd</sup> semester MCA under 2018 regulations for the batch of students admitted during 2018 2019 (Appendix III).
- 20.5 To consider the curriculum and evaluation criteria of Regulation 2018 (CBCS) for the batch of students admitted in 2018 2019 (Appendix IV).
- 20.6 To consider the panel of examiners for the evaluation process (Appendix V).

20.7 Any other.

02.11.2018

Chairman

Chairman, Board of Studies
Faculty of Computer Applications, at CAI (PG)
Adhiyamaan College of the encering (Autonomous
Hacure 676 108
Krishnaghi (DI), Tamil Nadu.

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

#### Board of Studies in Computer Applications

Minutes of the 20th meeting of the board of studies in Computer Applications held on 19.11.2018

#### MEMBERS PRESENT

1. Dr. D. Swamydoss

2. Dr. H. Khanna Nehemiah

3. Dr. N. Shenbhagavadivu

4. Dr. R. Latha

5. Mr. K. Bala Murugan

6. Dr. B.N. Sivakumar

7. Dr. M. Lilly Florence

8. Prof. S. Thirukumaran

9. Prof. K. Raja

10. Prof. K. Satheesh

Chairman

University Nominee

Academic Council Nominee

Academic Council Nominee

Alumni

Interdisciplinary Expert

Interdisciplinary Expert

Internal Member

Internal Member

Internal Member

20.1 To consider the minutes of the 19<sup>th</sup> meeting of the Board of Studies in Computer Applications held on 20.04.2018.

**RESOLVED** that the minutes of 19<sup>th</sup> meeting of the Board of Studies in Computer Applications has been considered.

20.2 To consider the curriculum and syllabi under CBCS for the 6<sup>th</sup> semester MCA under 2015 regulations for the batch of students admitted during 2016 – 2017.

**RESOLVED** that the curriculum and syllabi under CBCS for the  $6^{th}$  semester MCA under 2015 regulations for the batch of students admitted during 2016 - 2017 be approved (*Appendix - I*).

20.3 To consider the curriculum and syllabi under CBCS for the 4th semester MCA under 2015 regulations for the batch of students admitted during 2017 – 2018.

RESOLVED that the curriculum and syllabi under CBCS for the 4th semester MCA under 2015 regulations for the batch of students admitted during 2017 – 2018 be approved (*Appendix – II*).

20.4 To consider the curriculum and syllabi under CBCS for the 2<sup>nd</sup> semester MCA under 2018 regulations for the batch of students admitted during 2018 – 2019.

RESOLVED that the curriculum and syllabi under CBCS for the 2<sup>nd</sup> Semester MCA under 2018 regulations for the batch of students admitted during 2018 – 2019 be approved (*Appendix – III*).

20.5 To consider the curriculum and evaluation criteria of Regulation 2018 (CBCS) for the batch of students admitted in 2018 – 2019.

RESOLVED that the curriculum and evaluation criteria for MCA under Regulation 2018 (CBCS) for the batch of students admitted in 2018 – 2019 be approved (Appendix IV).

20.6 To consider the panel of examiners for the evaluation process.

**RESOLVED** that the panel of examiners for the evaluation process be approved (Appendix V).

19.11.2018

Chairman

irman. Roard of Studies

Krishnagiri (DI), Tamii Nodu.

Faculty of Co Adhiyamuan Co

| Department Of Computer Applications- 20th BoS Recommendation |                           |  |   |  |
|--|---------------------------|--|---|--|
| Sem  | Course                    | Name of the Course   | (New Course Introduced/ Contents Incorporated   |  |
|  | Code                      | The second secon | in the Corresponding Course)  |  |
|  |                           | 1  | 2018-2019   |  |
| 1  | 218CAT02                  | Internet Programming   | New Course Introduced  Unit-I Introduction to WWW  Unit – II UI Design  Unit-III Overview of Cascading Style Shee  Unit –IV Overview of JavaScript  Unit – V Advanced Features of JavaScript  |  |
| 2.   | 218CAT03                  | Object Oriented Programming and Data Structures  | The Following syllabus introduced  Unit-I Introduction to OOPs  Unit-II Overloading and Template  Unit-III Inheritance  Unit –IV Linear Data Structures  Unit – V Non – Linear Tree Structures  |  |
| 2  | 218CAP06 Internet Program | Internet   | The Following Syllabus Introduced  • HTML5  • Javascript  |  |
| 3.   |                           | Programming Lab  | <ul> <li>Class, Interface and Packages</li> <li>Swing Application – Calculator</li> <li>GUI – Application using JFrame Class</li> </ul>   |  |
| 4.   | 218CAE02                  | Management Information Systems   | The Unit wise Modification shown  Unit-II Infrastructure and Platforms  Unit-III Managing Knowledge in Digital Firm  Unit –IV Decision Support Systems and Experts Systems  Unit-V Enterprise Management information system planning. |  |
| 5.   | 218CAL02                  | Data Structures Lab using C++  | New Course Introduced   |  |
| 6.   | 415CAT01                  | Web Programming  | Unit-III Working with Database and Cookies – Modified Unit – IV Reading data in Web Pages and File Handling – Modified.   |  |
| 7.   | 415CAT03                  | Mobile Computing   | The Following Unit – added in the Course Unit- III Mobile Telecommunication Systems Unit- IV Mobile Ad-Hoc Networks Unit - V Mobile Platform and Applications   |  |
| 8.   | 415CAP06                  | Web Programming<br>Lab   | The Following Lab Exercise implemented in the Course  Web Application using PHP and MySQL Responsive Web Page Set Cookies and Retrieve the same page  |  |
| 9.   | 415CAE03                  | Cloud Computing  | Unit – III Cloud Virtualization Technology Unit –IV Security and Standards in the cloud.  |  |

|     |          |                                | Both Units were modified.  |
|-----|----------|--------------------------------|--|
| 10. | 415CAE08 | Professional                   | In Unit-III Forms of Technical Communication, and  |
|     |          | Communication                  | Unit –IV Presentation Strategies added.  |
| 11. | 415CAL01 | XML and Web<br>Service Lab     | The following Lab exercise implemented in the course  DOM/SAX Praser JAX-WS JAX-RS JAXB Marshalling and Un-Marshalling RESTfull Web Services.  |
| 12. | 415CAL05 | Executive<br>Communication Lab | <ul> <li>The List of Lab exercise added in the course</li> <li>Introduction to Soft Skill</li> <li>Listening and Reading Comprehension</li> <li>Body Languages.</li> <li>Resume / Letter Writing / E-mail Etiquettes.</li> </ul> |

Feedback obtained about Curriculum and syllabus from Stakeholders (Faculty, Student, Alumni, Employers) were also discussed and concluded.

21

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

### Board of Studies in Computer Applications

19th Meeting on 20.04.2018

#### **AGENDA**

- 19.1 To consider the minutes of the 18th meeting of the Board of Studies in Computer Applications held on 04.11.2017.
- 19.2 To consider the curriculum and syllabi under CBCS for the 5<sup>th</sup> semester MCA under 2015 regulations for the batch of students admitted during 2016 2017. (Appendix I)
- 19.3 To consider the curriculum and syllabi under CBCS for the 3<sup>rd</sup> semester MCA under 2015 regulations for the batch of students admitted during 2017 2018.
  (Appendix II)
- 19.4 To consider the curriculum and syllabi under CBCS for the 1<sup>st</sup> semester MCA under 2018 regulations for the batch of students to be admitted during 2018 2019 (Appendix III).

19.5 Any other.

06.04.2018

Chairman

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

### **Board of Studies in Computer Applications**

Minutes of the 19th meeting of the board of studies in Computer Applications held on 20.04.2018

### MEMBERS PRESENT

Chairman 1. Dr. D. Swamydoss **University Nominee** 2. Dr. S. Swamynathan **Academic Council Nominee** 3. Dr. S. P. Shantharajan **Academic Council Nominee** 4. Dr. S. Beaulah Interdisciplinary Expert 5. Dr. V. Navaneethakumar **Internal Member** 6. Dr. M. Lilly Florence **Internal Member** 7. Prof. S. Thirukumaran Internal Member 8. Prof. N.Sakthivel **Internal Member** 9. Prof. K. Raja Alumni 10. Mr. S. Naveen Kumar

19.1 To consider the minutes of the 18<sup>th</sup> meeting of the Board of Studies in Computer Applications held on 04.11.2017.

**RESOLVED** that the minutes of 18th meeting of the Board of Studies in Computer Applications has been considered.

19.2 To consider the curriculum and syllabi under CBCS for the 5th semester MCA under 2015 regulations for the batch of students admitted during 2016 – 2017.

**RESOLVED** that the curriculum and syllabi under CBCS for the  $5^{th}$  Semester MCA under 2015 regulations for the batch of students to be admitted during 2016-2017 be approved (Appendix – I).

19.3 To consider the curriculum and syllabi under CBCS for the 3<sup>rd</sup> semester MCA under 2015 regulations for the batch of students admitted during 2017 – 2018.

**RESOLVED** that the curriculum and syllabi under CBCS for the 3<sup>rd</sup> semester MCA under 2015 regulations for the batch of students admitted during 2017 – 2018 be approved (Appendix – II).

19.4 To consider the curriculum and syllabi under CBCS for the 1st semester MCA under 2018 regulations for the batch of students to be admitted during 2018 – 2019.

**RESOLVED** that the curriculum and syllabi under CBCS for the 1<sup>st</sup> semester MCA under 2018 regulations for the batch of students to be admitted during 2018 – 2019 be approved (Appendix – III).

20.04.2018

Chairman, Board of Studies
Faculty of Computer Applications (MCA) (PG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (DI), Tamil Nadu.

|     | Departm      | ent Of Computer Aj             | oplications- 19th BoS Recommendation                             |
|-----|--------------|--------------------------------|--|
| Sem | Course       | Name of the Course             | (New Course Introduced/ Contents Incorporated                    |
|     | Code         |                                | in the Corresponding Course)                                     |
|     |              |                                | 2018-2019  |
|     | - was        |                                | New Course introduced.   |
|     |              |                                | Unit-I Introduction  |
| 1   | 118CAE09     | Introduction to Unix           | <ul> <li>Unit – II File Systems</li> </ul>                       |
|     |              |                                | Unit- III Filters  |
|     |              |                                | <ul> <li>Unit-IV C Shell Programming</li> </ul>                  |
|     |              |                                | <ul> <li>Unit-V Advanced Topics</li> </ul>                       |
|     |              | Unix Lab                       | New Course introduced  |
|     |              |                                | File Operations.   |
| 2.  | 118CAL05     |                                | <ul> <li>Inter-process using Message Queue.</li> </ul>           |
|     |              |                                | <ul> <li>Inter-process using Shared Memory</li> </ul>            |
|     |              |                                | <ul> <li>Attributes files and directories</li> </ul>             |
| -   |              |                                | Binary Searching   |
|     | 10           | Advanced Java<br>Programming   | The Following Topics added in the corresponding                  |
| 3.  | 315CAT01     |                                | syllabus   |
|     |              |                                | <ul> <li>Unit –IV Introduction to Struts2</li> </ul>             |
|     |              |                                | <ul> <li>Unit-V OGNL and Building View</li> </ul>                |
|     | 21504702     | C# and DOT NET Programming     | Unit - IV Web Based Application Development on                   |
| 4.  | 315CAT03     |                                | .NET and Unit -V Reporting and Application Tool                  |
|     |              | 0 0                            | been modified.   |
|     |              | a e                            | The Following exercise update in the corresponding               |
|     |              |                                | course   |
|     |              |                                | Develop a real estate web application                            |
| 5.  | 315CAP06     | Advanced Java                  | Develop a simple applications using Struts2                      |
|     |              | Programming Lab                | <ul> <li>Develop Struts2 application using OGNL.</li> </ul>      |
|     |              |                                | Design Student Identity Management web                           |
|     |              |                                | application using struts framework.                              |
|     |              | Advanced Database              | Unit - IV – Advanced Data Models                                 |
| 6.  | 315CAE03     | Management Systems             | Unit - V - Advanced Data Models Unit - V - Emerging Technologies |
|     |              |                                | Both Unit Modified in this course.                               |
|     |              | Systems                        | The Syllabus has been framed with following unit                 |
|     |              | 11                             | Unit-I Internet of Things  |
|     |              |                                | Unit-II M2M to IoT A Market Perspective                          |
| 7.  | 515CAT01     | Internet of Things             | Unit-III M2M and IoT Technology                                  |
|     |              | The state of Things            | Fundamentals   |
|     |              |                                | Unit-IV IoT Architecture –State of the Art                       |
|     |              |                                | Unit-V IoT Reference Architecture                                |
| 8.  | 515CAT02     | Mobile Application Development | Unit – III : Android Application Development                     |
|     |              |                                | Modified.  |
|     |              |                                | Unit – IV IoS Updated  |
|     | 185<br>N 185 | •                              | Unit –V Windows Phone with Case Study updated.                   |
| 9.  | 515CAT03     | Big Data<br>Management         | The Syllabus framed with the following unit                      |
|     |              |                                | Unit-I Basics of Data and NOSQL Data                             |
|     |              |                                | Management   |
|     |              |                                | Unit-II Hadoop Introduction                                      |
|     |              |                                | <ul> <li>Unit-III Map Reduce Applications</li> </ul>             |
|     |              |                                | <ul> <li>Unit-IV PIG, HIVE and HBASE</li> </ul>                  |

|     |          |                                       | Unit-V Data Streaming and Hadoop<br>Clustering  |
|-----|----------|---------------------------------------|---|
|     |          |                                       | The following units introduced.   |
| 10. | 515CAE02 | Open Source Technologies              | <ul> <li>Unit-I Introduction to Python</li> <li>Unit-II Sequence, Conditionals, Loops and File I/O</li> <li>Unit-III Python Network and GUI Programming</li> <li>Unit-IV Python and AWS</li> <li>Unit-V Python for Data Analysis</li> </ul> |
| 11. | 515CAE09 | Digital Marketing<br>Management       | The Syllabus framed with following unit  Unit-I Introduction  Unit-II Search Engine Marketing  Unit-III Marketing Trends  Unit-IV Affiliate and Marketing on Internet  Unit-V Consumer Search and Resource Discovery                        |
| 12. | 515CAL01 | Mobile Application<br>Development Lab | The Following Lab Exercise added in the course  |
| 13. | 515CAL02 | Open Source Technologies Lab          | The Following syllabus for Lab Exercise introduced.  Django Flask MDI-GUI QMessageBox wxPython Cloud Storage Matplotlib Pandas.   |

Feedback obtained about Curriculum and syllabus from Stakeholders( Faculty, Student, Alumni, Employers) were also discussed and concluded.

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Chairman, Board of Studies
Faculty of Computer Applications (MCA) (PC)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

# Adhiyamaan College of Engineering, Hosur (An Autonomous Institution, Affiliated to Anna University, Chennai)

# Board of Studies in Computer Applications

18th Meeting on 04.11.2017

### **AGENDA**

- 18.1 To consider the minutes of the 17th meeting of the Board of Studies in Computer Applications held on 11.04.2017.
- 18.2 To consider the curriculum and syllabi under CBCS for the 6th semester MCA under 2015 regulations for the batch of students admitted during 2015 - 2016. (Appendix I)
- 18.3 To consider the curriculum and syllabi under CBCS for the 4th semester MCA under 2015 regulations for the batch of students admitted during 2016 - 2017. (Appendix II)
- 18.4 To consider the curriculum and syllabi under CBCS for the 2<sup>nd</sup> semester MCA under 2015 regulations for the batch of students admitted during 2017 - 2018. (Appendix III)

18.5 Any other.

23.10.2017

Faculty of Computers and Serious (2001-100)

Adhiyamasa Cologo 1 or serious (3 (40 annums)

Krishnagar (24, familifadu.

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

#### Board of Studies in Computer Applications

Minutes of the 18th meeting of the board of studies in Computer Applications held on 04.11.2017

#### MEMBERS PRESENT

1. Dr. D. Swamydoss Chairman 2. Dr. S. Swamynathan University Nominee 3. Dr. S. P. Shantharajan Academic Council Nominee 4. Mr. S. Naveen Kumar Alumni 5. Dr. V. Navaneethakumar Interdisciplinary Expert 6. Dr. M. Lilly Florence Internal Member 7. Prof. S. Thirukumaran Internal Member 8. Prof. N.Sakthivel Internal Member 9. Prof. K. Raja Internal Member

18.1 To consider the minutes of the 17<sup>th</sup> meeting of the Board of Studies in Computer Applications held on 11.04.2017.

**RESOLVED** that the minutes of 17<sup>th</sup> meeting of the Board of Studies in Computer Applications has been considered.

18.2 To consider the curriculum and syllabi under CBCS for the 6<sup>th</sup> semester MCA under 2015 regulations for the batch of students admitted during 2015 – 2016.

**RESOLVED** that the curriculum and syllabi under CBCS for the  $6^{th}$  semester MCA under 2015 regulations for the batch of students admitted during 2015-2016 be approved (Appendix – I).

18.3 To consider the curriculum and syllabi under CBCS for the 4th semester MCA under 2015 regulations for the batch of students admitted during 2016 – 2017.

RESOLVED that the curriculum and syllabi under CBCS for the 4th semester MCA under 2015 regulations for the batch of students admitted during 2016 – 2017 be approved (Appendix – II).

18.4 To consider the curriculum and syllabi under CBCS for the 2<sup>nd</sup> semester MCA under 2015 regulations for the batch of students to be admitted during 2017 – 2018.

RESOLVED that the curriculum and syllabi under CBCS for the 2<sup>nd</sup> Semester MCA under 2015 regulations for the batch of students to be admitted during 2017 – 2018 be approved (Appendix – III).

04.11.2017

Chairman

Challman, Board of Studies
Faculty of Computer Applications (IVCA) (PG)
Adhiyamaan College of Engineering (Ruburconous)
Hoser - 625 159
Krishnagiri (Dt), Tamil Nadu.

| Sem    | Course                 | Name of the Course                   | (New Course Introduced/ Contents Incorporated  |
|--------|------------------------|--------------------------------------|--|
|        | Code                   |                                      | in the Corresponding Course)   |
|        |                        | 2                                    | 2017-2018  |
|        |                        |                                      | The Following Topics added in Unit-V Swing   |
| 1      |                        | 14                                   | Introduction to Swing  |
|        | 215CAT02               | Internet and Java<br>Programming     | <ul> <li>Swing Features</li> </ul>   |
|        |                        |                                      | Swing Control  |
|        |                        |                                      | <ul> <li>Swing Class and GUI Components</li> </ul>   |
|        |                        |                                      | Event Hando  |
|        | 215CAE08               | Accounting and Financial             | The Following Unit introduced in the course  |
|        |                        |                                      | Unit I- Introduction to Accounting   |
| 2.     |                        |                                      | Unit II- Marginal Costing  |
| ۷.     | ZIJC/ILUU              | Management                           | Unit III- Budgets and Budgeting Controls   |
|        | Property of the second | ivianagement                         | Unit IV- Investment Decision and Cost Capital  |
|        |                        |                                      | Unit V- Working Capital Management.  |
|        | 215CAL02               | Internet and Java<br>Programming Lab | The following Lab Exercise added   |
| 3.     |                        |                                      | <ul> <li>Calculator application using swing</li> </ul>   |
|        |                        |                                      | <ul> <li>GUI Applications using JFrame class</li> </ul>  |
|        |                        | Web Programming                      | Unit-III Working with Database and Cookies –   |
| 4.     | 415CAT01               |                                      | Modified   |
|        |                        |                                      | Unit – IV Reading data in Web Pages and File   |
| 1. 1.  |                        |                                      | Handling – Modified.   |
|        | 415CAT03               |                                      | The Following Unit – added in the Course   |
| 5.     |                        | Mobile Computing                     | Unit- III Mobile Telecommunication Systems   |
|        |                        | Moone companing                      | Unit- IV Mobile Ad-Hoc Networks  |
|        |                        |                                      | Unit - V Mobile Platform and Applications  |
|        |                        |                                      | The Following Lab Exercise implemented in the  |
| ,      | 41504 006              | Web Programming                      | Course   |
| 6.     | 415CAP06               | Lab                                  | Web Application using PHP and MySQL  |
|        |                        |                                      | Responsive Web Page  |
|        |                        |                                      | Set Cookies and Retrieve the same page  H. C. L. W. C. W. C. L. W. L. W. C. L. |
| 7      | 415CAE03               | Cloud Computing Professional         | Unit – III Cloud Virtualization Technology   |
| 7.     |                        |                                      | Unit –IV Security and Standards in the cloud.  |
|        |                        |                                      | Both Units were modified.  |
| 8.     | 415CAE08               | Communication                        | In Unit-III Forms of Technical Communication, and  |
|        |                        | Communication                        | Unit –IV Presentation Strategies added.  The following Lab exercise implemented in the   |
|        | 415CAL01               |                                      | course   |
|        |                        |                                      | DOM/SAX Praser   |
| 9.     |                        | XML and Web                          | JAX-WS   |
| ٦.     |                        | Service Lab                          | • JAX-WS   |
|        |                        |                                      | JAXB Marshalling and Un-Marshalling  |
|        |                        |                                      | RESTfull Web Services.   |
|        | 415CAL05               | Executive<br>Communication Lab       | The List of Lab exercise added in the course   |
|        |                        |                                      | Introduction to Soft Skill   |
| 10.    |                        |                                      | 50-10 96040-000000-00000-0000-00000-00000-00000-0000   |
|        |                        |                                      | Listening and Reading Comprehension     Redy Languages   |
|        |                        |                                      | Body Languages.     Resume / Letter Writing / F-mail   |
|        |                        |                                      | Resume / Letter Writing / E-mail     Etiquettes.   |
| Caadla | ook obtoined a         | have Comiavions and and              | labus from Stakeholders (Faculty, Student, Alumni,   |

Employers) were also discussed and concluded.

Chairman, Board of Studies
Faculty of Computer Applications (MCA) (PG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

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

### Board of Studies in Computer Applications

17th Meeting on 11.04.2017

#### **AGENDA**

- 17.1 To consider the minutes of the 16<sup>th</sup> meeting of the Board of Studies in Computer Applications held on 22.10.2016.
- 17.2 To consider the curriculum and syllabi under CBCS for the 5<sup>th</sup> semester MCA under 2015 regulations for the batch of students admitted during 2015 2016. (Appendix I)
- 17.3 To consider the curriculum and syllabi under CBCS for the 3<sup>rd</sup> semester MCA under 2015 regulations for the batch of students admitted during 2016 2017. (Appendix II)
- 17.4 To consider the curriculum and syllabi under CBCS for the 1<sup>st</sup> semester MCA under 2015 regulations for the batch of students to be admitted during 2017 2018. (Appendix III)

17.5 Any other.

25.03.2017

Chairman

Chairman, Board of Studies
Faculty of Computer Applications (MCA) (PG)
Adhiyamaan College of Engineering (Autonomous)
Hoour - 636 109
Krishnagiri (Dt), Tamil Nadu.

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

### **Board of Studies in Computer Applications**

Minutes of the 17<sup>th</sup> meeting of the board of studies in Computer Applications held on 11.04.2017

#### MEMBERS PRESENT

Chairman 1. Dr. D Swamydoss 2. Dr. S Swamynathan **University Nominee** 3. Dr. S P Shantharajan **Academic Council Nominee Academic Council Nominee** 4. Dr. S Beaulah **Interdisciplinary Expert** 5. Dr. V. Navaneethakumar 6. Dr. Sunitha Abburu **Internal Member Internal Member** 7. Dr. M. Lilly Florence 8. Prof. S Thirukumaran **Internal Member Internal Member** 9. Prof. N.Sakthivel **Internal Member** 10. Prof. K Raja

17.1 To consider the minutes of the 16<sup>th</sup> meeting of the Board of Studies in Computer Applications held on 22.10.2016.

**RESOLVED** that the minutes of 16<sup>th</sup> meeting of the Board of Studies in Computer Applications has been considered.

17.2 To consider the curriculum and syllabi under CBCS for the 5<sup>th</sup> semester MCA under 2015 regulations for the batch of students admitted during 2015 – 2016.

**RESOLVED** that the curriculum and syllabi under CBCS for the 5<sup>th</sup> semester MCA under 2015 regulations for the batch of students admitted during 2015 – 2016 be approved (Appendix – I).

17.3 To consider the curriculum and syllabi under CBCS for the 3<sup>rd</sup> semester MCA under 2015 regulations for the batch of students admitted during 2016 – 2017.

RESOLVED that the curriculum and syllabi under CBCS for the 3<sup>rd</sup> semester MCA under 2015 regulations for the batch of students admitted during 2016 – 2017 be approved (Appendix – II).

17.4 To consider the curriculum and syllabi under CBCS for the 1<sup>st</sup> semester MCA under 2015 regulations for the batch of students to be admitted during 2017 – 2018.

**RESOLVED** that the curriculum and syllabi under CBCS for the 1<sup>st</sup> Semester MCA under 2015 regulations for the batch of students to be admitted during 2017 – 2018 be approved (Appendix – III).

11.04.2017

Chairman

Chairman, Board of Studios
Faculty of Computer Applications (SICA) (PG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

| Department Of Computer Applications- 17th BoS Recommendation  Course (New Course Introduced/ Contents Incorpora |                |   |   |
|---|----------------|---|---|
| Sem   | Course<br>Code | Name of the Course                              | in the Corresponding Course)  |
|   | Code           | 1   | 2017-2018   |
| 1   | 115CAL02       | Object Oriented<br>Programming Lab<br>using C++ | The Following Lab Exercise included in the syllabus  Create a Text File and Perform all the file operations  Implement some of STL Algorithms through C++ Programming   |
| 2.  | 115CAL03       | Office Automation<br>Lab                        | The Following concepts included in the syllabus  MS-Word and its functionalities  MS-Excel with built in functions  MS-Powerpoint  MS-Access  |
| 3.  | 315CAT01       | Advanced Java<br>Programming                    | The Following Topics added in the corresponding syllabus  • Unit –IV Introduction to Struts2  • Unit-V OGNL and Building View   |
| 4.  | 315CAT03       | C# and DOT NET<br>Programming                   | Unit – IV Web Based Application Development on .NET and Unit –V Reporting and Application Tool been modified.   |
| 5.  | 315CAP06       | Advanced Java<br>Programming Lab                | The Following exercise update in the corresponding course  Develop a real estate web application Develop a simple applications using Struts2 Develop Struts2 application using OGNL. Design Student Identity Management web application using struts framework. |
| 6.  | 315CAE03       | Advanced Database<br>Management<br>Systems      | Unit - IV – Advanced Data Models Unit – V - Emerging Technologies Both Unit Modified in this course.  |
| 7.  | 515CAT01       | Internet of Things                              | The Syllabus has been framed with following unit  Unit-I Internet of Things  Unit-II M2M to IoT A Market Perspective  Unit-III M2M and IoT Technology Fundamentals  Unit-IV IoT Architecture –State of the Art  Unit-V IoT Reference Architecture               |
| 8.  | 515CAT02       | Mobile Application<br>Development               | Unit – III: Android Application Development Modified. Unit – IV IoS Updated Unit –V Windows Phone with Case Study updated.  |
| 9.  | 515CAT03       | Big Data<br>Management                          | The Syllabus framed with the following unit  Unit-I Basics of Data and NOSQL Data Management  Unit-II Hadoop Introduction  Unit-III Map Reduce Applications  Unit-IV PIG, HIVE and HBASE  Unit-V Data Streaming and Hadoop Clustering                           |

|     |             |                                       | The following units introduced.                               |
|-----|-------------|---------------------------------------|---|
|     | 515CAE02    | Open Source<br>Technologies           | <ul> <li>Unit-I Introduction to Python</li> </ul>             |
|     |             |                                       | <ul> <li>Unit-II Sequence, Conditionals, Loops and</li> </ul> |
| 10. |             |                                       | File I/O  |
| 10. |             |                                       | <ul> <li>Unit-III Python Network and GUI</li> </ul>           |
|     |             |                                       | Programming   |
|     |             |                                       | <ul> <li>Unit-IV Python and AWS</li> </ul>                    |
|     |             |                                       | <ul> <li>Unit-V Python for Data Analysis</li> </ul>           |
|     |             | Digital Marketing<br>Management       | The Syllabus framed with following unit                       |
|     |             |                                       | Unit-I Introduction   |
|     | -           |                                       | <ul> <li>Unit-II Search Engine Marketing</li> </ul>           |
| 11. | 515CAE09    |                                       | <ul> <li>Unit-III Marketing Trends</li> </ul>                 |
|     |             |                                       | Unit-IV Affiliate and Marketing on Internet                   |
|     |             |                                       | Unit-V Consumer Search and Resource                           |
|     |             | 4 2                                   | Discovery   |
|     | 515CAL01    | Mobile Application<br>Development Lab | The Following Lab Exercise added in the course                |
|     |             |                                       | <ul> <li>Address Book using Database</li> </ul>               |
|     |             |                                       | <ul> <li>Design Game Applications</li> </ul>                  |
| 12. |             |                                       | <ul> <li>Design Student Information Using</li> </ul>          |
|     |             |                                       | Framework   |
|     |             |                                       | <ul> <li>Display Text using IOS</li> </ul>                    |
|     |             |                                       | <ul> <li>Create an Interactive IOS Applications</li> </ul>    |
|     |             |                                       | The Following syllabus for Lab Exercise                       |
|     | 515CAL02    | Open Source<br>Technologies Lab       | introduced.   |
|     |             |                                       | • Django  |
|     |             |                                       | • Flask   |
| 13. |             |                                       | MDI-GUI   |
| 13. |             |                                       | <ul> <li>QMessageBox</li> </ul>                               |
|     |             |                                       | <ul> <li>wxPython</li> </ul>                                  |
|     |             |                                       | Cloud Storage   |
|     |             | li li                                 | Matplotlib  |
|     | -1-14-1-1-1 |                                       | Pandas.   |

Feedback obtained about Curriculum and syllabus from Stakeholders( Faculty, Student, Alumni, Employers) were also discussed and concluded.

Chairman Board of Studio

Chairman, Board of Studies
Faculty of Computer Applications (MCA) (PG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.