

Record of percentage change in Syllabus

Name of the Department : MCA COURSE, Department of Statistics

Name of the Program:MCA

| Sl.No. | Semester | Paper Code | Name of Paper | Whether included in year 2013-14 (Yes/No) | Whether included in year 2018-19 (Yes/No) | Percentage revised in Content # | Year of introduction or revision* | Remark (pls. mark which paper is a value added or skill development paper) |
|--------|----------|------------|--|---|---|---------------------------------|-----------------------------------|--|
| 1 | I | CS11 | Information Technology | No | New | 100 | | |
| 2 | | CS12 | Programming & Data Structure with C++ | No | New | 100 | | |
| 3 | | CS13 | Discrete Mathematical Structure | No | New | 100 | | |
| 4 | | CS14 | Digital Logic and Computer Design | No | New | 100 | | |
| 5 | | CS15 | Principals of Management | No | New | 100 | | |
| 6 | | CS16 | Practical | No | New | 100 | | |
| 7 | | CS17 | AECC I | No | New | 100 | | |
| 8 | II | CS21 | Object Oriented Programming in Java | No | New | 100 | | |
| 9 | | CS22 | Statistical & Numerical Computing | No | New | 100 | | |
| 10 | | CS23 | Operating System & Shell Programming | No | New | 100 | | |
| 11 | | CS24 | Formal Language and Automata Theory | No | New | 100 | | |
| 12 | | CS25 | E- Commerce | No | New | 100 | | |
| 13 | | CS26 | Practical | No | New | 100 | | |
| 14 | | | AECC-II | No | New | 100 | | |
| 15 | III | CS31 | Advance Java Programming using J2EE | No | New | 100 | | |
| 16 | | CS32 | Data Communication and Computer Networking | No | New | 100 | | |
| 17 | | CS33 | Data Base Management System | No | New | 100 | | |
| 18 | | CS34 | Optimization Technique | No | New | 100 | | |
| 19 | | CS35 | Parallel and Distributed Computing | No | New | 100 | | |
| 20 | | CS36 | Practical - I | No | New | 100 | | |
| 21 | IV | CS41 | Web Technology | No | New | 100 | | |
| 22 | | CS42 | Software Engineering | No | New | 100 | | |
| 23 | | CS43 | Computer Graphics | No | New | 100 | | |
| 24 | | CS44 | Big Data Analysis & Cloud | No | New | 100 | | |
| 25 | | CS45 | Compiler Design | No | New | 100 | | |
| 26 | | CS46 | Practical -I | No | New | 100 | | |


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|--|----|-------|---|----|-----|-----|--|--|
| 27 | V | CS 51 | Design and Analysis of Algorithm | No | New | 100 | | |
| 28 | | CS 52 | Data Mining and Data Warehousing | No | New | 100 | | |
| 29 | | CS 53 | Artificial Intelligence | No | New | 100 | | |
| 30 | | CS 54 | Advance Computer Architecture | No | New | 100 | | |
| 31 | | CS 55 | Cryptography | No | New | 100 | | |
| 32 | | CS 56 | Practical - I | No | New | 100 | | |
| 33 | VI | CS61 | On Job Training(Industrial) Project | No | New | 100 | | |
| 34 | | | Elective Papers(CS 15) | | | | | |
| 35 | | CS15 | Principles of Management | | | | | |
| 36 | | CS15 | Organizational Behavior | | | | | |
| 37 | | CS15 | SWAYAM | | | | | |
| 38 | | | Elective Papers(CS 25) | | | | | |
| 39 | | CS25 | Financial Accounton | | | | | |
| 40 | | CS25 | E- Commerce | | | | | |
| 41 | | CS25 | SWAYAM | | | | | |
| 42 | | | Elective Papers(CS 35) | | | | | |
| 43 | | CS35 | Parallel and Distributed Computing | | | | | |
| 44 | | CS35 | Managerial Economics | | | | | |
| 45 | | CS35 | SWAYAM | | | | | |
| 46 | | | Elective Papers(CS 45) | | | | | |
| 47 | | CS45 | Compiler Design | | | | | |
| 48 | | CS45 | Digital Image Processing & Multimedia | | | | | |
| 49 | | CS45 | Information Security | | | | | |
| 50 | | | Elective Papers(CS 55) | | | | | |
| 51 | | CS55 | Cryptography | | | | | |
| 52 | | CS55 | Quantum Computing | | | | | |
| 53 | | CS55 | Visual Programming | | | | | |
| 54 | | CS55 | Satellite and Mobile Communication Networks | | | | | |
| 55 | | CS55 | Machine Learning and Soft Computing | | | | | |
| Overall Change = Total Change in Percentage/Number of Papers offered in Year 2017-18 | | | | | | | | |

ease Consult the attached performa for filling-up the data.

ars in which revisions have been carried out even in case of course/paper.

If the departments are running more than one programs, please do the same for all of them in the format given above.


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|----|-------|--|-----|
| 27 | CS 51 | | New |
| 28 | CS 52 | | New |
| 29 | CS 53 | | New |
| 30 | CS 54 | | New |
| 31 | CS 55 | | New |
| 32 | CS 56 | | New |
| 33 | CS61 | | New |
| 34 | | | New |
| 35 | CS15 | | New |
| 36 | CS15 | | New |
| 37 | CS15 | | New |
| 38 | | | New |
| 39 | CS25 | | New |
| 40 | CS25 | | New |
| 41 | CS25 | | New |
| 42 | | | New |
| 43 | CS35 | | New |
| 44 | CS35 | | New |
| 45 | CS35 | | New |
| 46 | | | New |
| 47 | CS45 | | New |
| 48 | CS45 | | New |
| 49 | CS45 | | New |
| 50 | | | New |
| 51 | CS55 | | New |
| 52 | CS55 | | New |
| 53 | CS55 | | New |
| 54 | CS55 | | New |
| 55 | CS55 | | New |

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Name of the Department : Department of Statistics

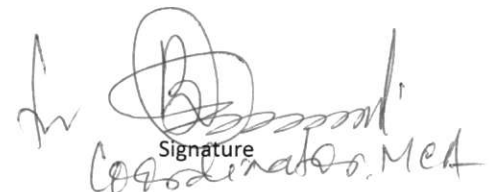
Name of the Program: MCA Course

| Sl.No. | Semester | Paper Code | Name of Paper | Whether included in year 2013-14 (Yes/No) | Whether included in year 2017-18 (Yes/No) | Percentage revised in Content # | Year of introduction or revision* | Remark (pls. mark which paper is a value added or skill development paper) |
|--------|----------|------------|--|---|---|---------------------------------|-----------------------------------|--|
| 1 | I | 101 | Introduction to Computing and its Applications | Yes | Yes | | | |
| 2 | | 102 | Mathematical Functions | Yes | Yes | | | |
| 3 | | 103 | Introduction to Programming Paradigm | Yes | Yes | | | |
| 4 | | 104 | Statistical Techniques | Yes | Yes | | | |
| 5 | | 105 | Business data Processing and File System | Yes | Yes | | | |
| 6 | | 106 | Lab-I | Yes | Yes | | | |
| 7 | | 107 | Lab- II | Yes | Yes | | | |
| 8 | II | 201 | Computer Architecture | Yes | Yes | | | |
| 9 | | 202 | Data Structure and Program Design | Yes | Yes | | | |
| 10 | | 203 | Object Oriented Programming | Yes | Yes | | | |
| 11 | | 204 | DataBase Management System | Yes | Yes | | | |
| 12 | | 205 | Object Oriented Analysis and Design | Yes | Yes | | | |
| 13 | | 206 | Lab I | Yes | Yes | | | |
| 14 | | 207 | Lab -II | Yes | Yes | | | |
| 15 | III | 301 | Operating System | Yes | Yes | | | |
| 16 | | 302 | Data Communication and Networking | Yes | Yes | | | |
| 17 | | 303 | Analysis and design of Algorithms | Yes | Yes | | | |
| 18 | | 304 | Software Engineering | Yes | Yes | | | |
| 19 | | 305 | Compiler Design | Yes | Yes | | | |
| 20 | | 306 | Lab -II | Yes | Yes | | | |
| 21 | | 307 | Lab - II | Yes | Yes | | | |
| 22 | IV | 401 | Web Technology | Yes | Yes | | | |
| 23 | | 402 | Cryptography and Network Security | Yes | Yes | | | |
| 24 | | 403 | Soft Computing | Yes | Yes | | | |
| 25 | | 404 | Computer Graphics & Multimedia Application | Yes | Yes | | | |
| 26 | | 405 | Management Information System | Yes | Yes | | | |
| 27 | | 406 | Lab -I (Mini Project) | Yes | Yes | | | |
| 28 | | 407 | Lab -II (Advance Java) | Yes | Yes | | | |


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|----|----|--|---|--------------|-----|--|--|
| 29 | V | 501 | Wireless Network | Yes | Yes | | |
| 30 | | 502 | Distributed System | Yes | Yes | | |
| 31 | | 503 | Data and Web Mining | Yes | Yes | | |
| 32 | | 504 | Parallel Computing | Yes | Yes | | |
| 33 | | 505 | VB. Net | Yes | Yes | | |
| 34 | | 506 | Colloquial/Business and Technical English) | Yes | Yes | | |
| 35 | | 507 | Lab - II(VB.Net) | Yes | Yes | | |
| 36 | VI | 601 | On Job Training(Industrial) Project | Yes | Yes | | |
| 37 | | Overall Change = Total Change in Percentage/Number of Papers offered in Year 2017-18 | | 26 No Change | | | |
| 38 | | | | | | | |

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|----|-----|-----|-----|
| 29 | 501 | Nil | Nil |
| 30 | 502 | Nil | Nil |
| 31 | 503 | Nil | Nil |
| 32 | 504 | Nil | Nil |
| 33 | 505 | Nil | Nil |
| 34 | 506 | Nil | Nil |
| 35 | 507 | Nil | Nil |
| 36 | 601 | Nil | Nil |

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