

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Curriculum

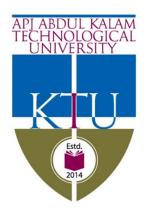
for

Master of Computer Applications (MCA)

2016

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY CET CAMPUS, THIRUVANANTHAPURAM – 695016 KERALA, INDIA

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APJ ABDUL KALAM

TECHNOLOGICAL

UNIVERSITY

MASTER OF COMPUTER APPLICATIONS (INTEGRATED)

CURRICULUM – SEMESTERS I to X

Year : 2016

No. of credits: 211

Estd.

2014

Web: ktu.edu.in

| | Master of Computer Applications (Integrated) | | ours , veek | | IA | ESE | Total | Credits | Exam slot |
|-----------|--|----|----------------|------|-------|-------|-------|----------|--------------|
| Course No | Course | L | T | Р | marks | Marks | | G. Cuito | |
| INMCA101 | English | 3 | 1 | - | 40 | 60 | 100 | 4 | Α |
| INMCA103 | Mathematical Foundations of Computer Science | 3 | 1 | - | 40 | 60 | 100 | 4 | В |
| INMCA105 | Introduction to Digital Systems and Logic Design | 3 | 1 | - | 40 | 60 | 100 | 4 | С |
| INMCA107 | Introduction to Computers and PC hardware | 3 | 1 | - | 40 | 60 | 100 | 4 | D |
| INMCA109 | Fundamentals of Accountancy | 3 | 1, | - 74 | 40 | 60 | 100 | 4 | Е |
| INMCA131 | Office Automation Lab | - | K | 6 | 100 | AN | 100 | 1 | S |
| INMCA133 | PC hardware Lab | - | | 4 | 100 | A T | 100 | 1 | Т |
| | TOTAL | 15 | 5 | 10 | 400 | 300 | 700 | 22 | |

SEMESTER 2

| | Master of Computer Applications (Integrated) | Hours / week | | IA | ESE | Total | Credits | Exam | |
|-----------|--|-----------------|---|----|-------|-------|---------|---------|------|
| Course No | Course | L | Т | Р | marks | Marks | Total | cicuits | slot |
| INMCA102 | Technical Communication | 3 | 1 | - | 40 | 60 | 100 | 4 | Α |
| INMCA104 | Introduction to Discrete Mathematics | 3 | 1 | - | 40 | 60 | 100 | 4 | В |
| INMCA106 | Computer Organization | 3 | 1 | - | 40 | 60 | 100 | 4 | С |
| INMCA108 | Problem Solving and Structured Programming | 3 | 1 | - | 40 | 60 | 100 | 4 | D |
| INMCA112 | Personality Development and Soft Skills | 3 | 1 | - | 40 | 60 | 100 | 4 | Е |
| INMCA132 | Problem Solving and Structured Programming Lab | - | - | 6 | 100 | | 100 | 1 | S |
| INMCA134 | Technical Communication Lab | - | - | 4 | 100 | | 100 | 1 | Т |
| | TOTAL | 15 | 5 | 10 | 400 | 300 | 700 | 22 | |

| | Master of Computer Applications (Integrated) | | ours veek | 1 | IA | ESE | Total | Credits | Exam |
|-----------|--|----|--------------|----|-------|-------|-------|---------|------|
| Course No | Course | L | Т | P | marks | Marks | | | slot |
| INMCA201 | Principles of Programming | 3 | 1 | - | 40 | 60 | 100 | 4 | Α |
| INMCA203 | Probability and Statistics | 3 | 1 | - | 40 | 60 | 100 | 4 | В |
| INMCA204 | Introduction to Object Oriented Programming | 3 | 1 | - | 40 | 60 | 100 | 4 | С |
| INMCA206 | Accounting and Financial Management | 3 | 1 | - | 40 | 60 | 100 | 4 | D |
| INMCA208 | Introduction to Data Structures | 3 | 1 | - | 40 | 60 | 100 | 4 | Е |
| INMCA231 | Basic Data Structures Lab | - | - | 6 | 100 | | 100 | 1 | S |
| INMCA233 | Basic Object Oriented Programming Lab | - | - | 4 | 100 | | 100 | 1 | T |
| | TOTAL | 15 | 5 | 10 | 400 | 300 | 700 | 22 | |

| | Master of Computer Applications (Integrated) | | ours week | - | IA | ESE Marks | Total | Credits | Exam slot |
|-----------|--|----|--------------|-----|-------|--------------|-------|---------|--------------|
| Course No | Course | L | T | P | marks | | | | |
| INMCA202 | Introduction to Visual Programming | 3 | 1 | - | 40 | 60 | 100 | 4 | Α |
| INMCA204 | Applied Statistics | 3 | 1 | - | 40 | 60 | 100 | 4 | В |
| INMCA206 | Introduction to Operating Systems | 3 | 1 | - | 40 | 60 | 100 | 4 | С |
| INMCA208 | Elements of Business Management | 3 | 1 | - | 40 | 60 | 100 | 4 | D |
| INMCA212 | Internet Concepts and Web Design | 3 | 1 | - 7 | 40 | 60 | 100 | 4 | E |
| INMCA232 | Visual Programming Lab | - | K | 6 | 100 | AN | 100 | 1 | S |
| INMCA234 | Statistics Lab | - | - | 4 | 100 | λI | 100 | 1 | Т |
| | TOTAL | 15 | 5 | 10 | 400 | 300 | 700 | 22 | |

SEMESTER 5

| | Master of Computer Applications (Integrated | () | Hou | rs / w | veek | IA | ESE | | | Exam |
|-----------|---|------------|-----|--------|------|-------|-----|-------|---------|------|
| Course No | Course | | ٦ | Т | Р | marks | | Total | Credits | slot |
| INMCA301 | Mathematics for Computer Applications | | 3 | 1 | • | 40 | 60 | 100 | 4 | Α |
| INMCA303 | Introduction to E-Commerce | | 3 | 1 | • | 40 | 60 | 100 | 4 | В |
| INMCA305 | Introduction to RDBMS and SQL | | 3 | 1 | - | 40 | 60 | 100 | 4 | С |
| INMCA307 | IT Infrastructure Management | | 3 | 1 | - | 40 | 60 | 100 | 4 | D |
| INMCA309 | Introduction to Operations Research | | 4 | - | • | 40 | 60 | 100 | 4 | E |
| INMCA331 | RDBMS Lab | | - | - | 4 | 100 | | 100 | 1 | S |
| INMCA333 | Scripting Lab | | - | - | 6 | 100 | | 100 | 1 | Т |
| | тот | AL | 16 | 4 | 10 | 400 | 300 | 700 | 22 | |

| | Master of Computer Applications (Integrated) | | ours vee | - | IA marks | ESE Marks | Total | Credits | Exam |
|-----------|--|----|-------------|----|-------------|--------------|-------|---------|------|
| Course No | Course | L | Т | P | | | | | slot |
| INMCA302 | Introduction to Software Engineering | 3 | 1 | - | 40 | 60 | 100 | 4 | Α |
| INMCA304 | Numerical Methods 2012 | 3 | 1 | - | 40 | 60 | 100 | 4 | В |
| INMCA306 | Computational Sustainability | 3 | 1 | - | 40 | 60 | 100 | 4 | С |
| INMCA308 | Open Source Platforms | 3 | 1 | - | 40 | 60 | 100 | 4 | D |
| INMCA312 | Advanced Object Oriented Programming | 3 | 1 | _ | 40 | 60 | 100 | 4 | Е |
| INMCA332 | Advanced Object Oriented Programming Lab | - | - | 6 | 100 | | 100 | 1 | S |
| INMCA334 | Open Source Platforms Lab | ı | - | 4 | 100 | | 100 | 1 | T |
| | TOTAL | 15 | 5 | 10 | 400 | 300 | 700 | 22 | |

| | Master of Computer Applications (Integrated) | | ours vee | | IA marks | ESE Marks | Total | Credits | Exam |
|-----------|--|----|-------------|------|-------------|--------------|-------|---------|------|
| Course No | Course | L | Т | Р | | | | | slot |
| RLMCA201 | Computer Networks | 3 | 1 | - | 40 | 60 | 100 | 4 | Α |
| RLMCA203 | Software Engineering | 3 | 1 | - | 40 | 60 | 100 | 4 | В |
| RLMCA205 | Database Management Systems | 3 | 1 | - | 40 | 60 | 100 | 4 | С |
| RLMCA207 | Design and Analysis of Algorithms | 3 | 1 | - | 40 | 60 | 100 | 4 | D |
| RLMCA209 | Web Programming | 3 | 1 | r- 1 | 40 | 60 | 100 | 4 | Е |
| RLMCA231 | Database Lab | - | ۲ | 4 | 100 | NV | 100 | 1 | S |
| RLMCA233 | Web Programming Lab | 1 | | 4 | 100 | λI | 100 | 1 | Т |
| | TOTAL | 15 | 5 | 8 | 400 | 300 | 700 | 22 | |

| | Master of Computer Applications (Integrated) | | Hours / week | | IA marks | ESE Marks | Total | Credits | Exam |
|-----------|--|----|-----------------|---|-------------|--------------|-------|---------|------|
| Course No | Course | L | Т | Р | | | | | slot |
| RLMCA202 | Application Development and Maintenance | 3 | 1 | | 40 | 60 | 100 | 4 | Α |
| RLMCA204 | Big Data Technologies | 3 | 1 | - | 40 | 60 | 100 | 4 | В |
| RLMCA206 | Mobile Computing | 3 | 1 | - | 40 | 60 | 100 | 4 | С |
| RLMCA208 | Introduction to Machine Learning | 3 | 1 | - | 40 | 60 | 100 | 4 | D |
| RLMCA2 | Elective I | 3 | 1 | - | 40 | 60 | 100 | 4 | E |
| RLMCA232 | System Design Lab | - | | 4 | 100 | | 100 | 1 | S |
| RLMCA234 | Mobile Application Development Lab | - | | 4 | 100 | 17. | 100 | 1 | T |
| | TOTAL | 15 | 5 | 8 | 400 | 300 | 700 | 22 | |

| | ALC: TAIL |
|----------|--|
| | ELECTIVE-I |
| RLMCA262 | Functional Programming |
| RLMCA264 | Design and Analysis of Parallel Algorithms |
| RLMCA266 | Advanced Database Systems |
| RLMCA268 | Computational Science |
| RLMCA272 | Advanced Java Programming |
| RLMCA274 | Business Intelligence and its Applications |

| | Master of Computer Applications (Integrated) | | Hours / week | | IA marks | ESE Marks | Total | Credits | Exam |
|-----------|--|----|-----------------|------|-------------|--------------|-------|---------|------|
| Course No | Course | L | Т | Р | | | | | slot |
| RLMCA301 | Web Data Mining | 3 | 1 | - | 40 | 60 | 100 | 4 | Α |
| RLMCA303 | E-Commerce | 3 | - | - | 40 | 60 | 100 | 3 | В |
| RLMCA305 | Cryptography and Cyber Security | 3 | 1 | - | 40 | 60 | 100 | 4 | С |
| RLMCA3 | Elective II | 3 | 1 | - | 40 | 60 | 100 | 4 | D |
| RLMCA3 | Elective III | 3 | 1 | r- 1 | 40 | 60 | 100 | 4 | E |
| RLMCA341 | Seminar A | - | K | 2 | 50 / | Y IV | 50 | 2 | S |
| RLMCA351 | Mini Project | 7 | | 8 | 150 | 7-1 | 150 | 2 | Т |
| | TOTAL | 15 | 4 | 10 | 400 | 300 | 700 | 23 | |

| | VIIVII | ED | CITY |
|----------|-------------------------|----------|------------------------------------|
| | ELECTIVE-II | | ELECTIVE-III |
| RLMCA361 | Compiler Construction | RLMCA381 | Cloud Computing |
| RLMCA363 | IPR and Cyber Law | RLMCA383 | Human Computer Interaction |
| RLMCA365 | Cyber Forensics | RLMCA385 | Bioinformatics |
| RLMCA367 | Internet of Things | RLMCA387 | Computer Graphics |
| RLMCA369 | Python Programming | RLMCA389 | Parallel and Distributed Computing |
| RLMCA371 | Social Network Analysis | RLMCA391 | Artificial Intelligence |

| | Estr | | | | | | | | |
|-----------|--|-----|--------------|--------|-------------|--------------|-------|---------|------|
| | Master of Computer Applications (Integrated) | H | lour: wee | | IA marks | ESE Marks | Total | Credits | Exam |
| Course No | Course | L | Т | P | | | | | slot |
| RLMCA352 | Project and Viva Voce | | | 30 | 70 | 30 | 100 | 12 | S |
| | 2014 | Tot | al | | 70 | 30 | 100 | 12 | |
| | | Cui | mula | tive ' | Total | | 6400 | 211 | |



APJ ABDUL KALAM

TECHNOLOGICAL

UNIVERSITY

MASTER OF COMPUTER APPLICATIONS (REGULAR)

CURRICULUM - SEMESTERS I to VI

Year : 2016

No. of credits: 123

Estd

2014

A P J Abdul Kalam Technological University CET Campus, Thiruvananthapuram Kerala -695016, India Phone +91 471 2598122, 2598422 Fax +91 471 2598522

Web: ktu.edu.in

Document Release Date: 21-06-2016

| | Master of Computer Applications (Regular) | | Hours / week | | IA marks | ESE Marks | Total | Credits | Exam |
|-----------|---|----|-----------------|---|-------------|--------------|-------|---------|------|
| Course No | Course | L | Т | P | | | | | slot |
| RLMCA101 | Problem Solving and Computer Programming | 3 | 1 | | 40 | 60 | 100 | 4 | Α |
| RLMCA103 | Discrete Mathematics | 3 | 1 | - | 40 | 60 | 100 | 4 | В |
| RLMCA105 | Applied Probability and Statistics | 3 | 1 | - | 40 | 60 | 100 | 4 | С |
| RLMCA107 | Principles of Management | 3 | 1 | - | 40 | 60 | 100 | 4 | D |
| RLMCA109 | Digital Fundamentals | 3 | 1 | - | 40 | 60 | 100 | 4 | Е |
| RLMCA131 | Programming Lab | - | K | 4 | 100 | V | 100 | 1 | S |
| RLMCA133 | Applied Statistics Lab | - | | 4 | 100 | VI V | 100 | 1 | Т |
| | TOTAL | 15 | 5 | 8 | 400 | 300 | 700 | 22 | |

SEMESTER 2

| | Master of Computer Applications (Regular) | | Hours / week | | IA marks | ESE Marks | Total | Credits | Exam | |
|-----------|---|------|-----------------|---|-------------|--------------|-------|---------|------|------|
| Course No | Course | | | Т | P | | | | | slot |
| RLMCA102 | Object Oriented Programming | | Ω | 1 | - | 40 | 60 | 100 | 4 | Α |
| RLMCA104 | Data Structures | | 3 | 1 | - | 40 | 60 | 100 | 4 | В |
| RLMCA106 | Operating Systems | 7 | 3 | 1 | - | 40 | 60 | 100 | 4 | С |
| RLMCA108 | Operations Research | | 3 | 1 | - | 40 | 60 | 100 | 4 | D |
| RLMCA112 | Computer Organization and Architecture | | 3 | 1 | - | 40 | 60 | 100 | 4 | Е |
| RLMCA132 | Object Oriented Programming Lab | | 1 | | 4 | 100 | | 100 | 1 | S |
| RLMCA134 | Data Structures Lab | | - | | 4 | 100 | | 100 | 1 | Т |
| | TO | DTAL | 15 | 5 | 8 | 400 | 300 | 700 | 22 | |

| | Master of Computer Applications (Regular) | | ours / veek | | IA marks | ESE Marks | Total | Credits | Exam |
|-----------|---|-------|----------------|---|-------------|--------------|-------|---------|------|
| Course No | Course | L T P | | | slot | | | | |
| RLMCA201 | Computer Networks 2012 | 3 | 1 | - | 40 | 60 | 100 | 4 | Α |
| RLMCA203 | Software Engineering | 3 | 1 | - | 40 | 60 | 100 | 4 | В |
| RLMCA205 | Database Management Systems | 3 | 1 | - | 40 | 60 | 100 | 4 | С |
| RLMCA207 | Design and Analysis of Algorithms | 3 | 1 | - | 40 | 60 | 100 | 4 | D |
| RLMCA209 | Web Programming | 3 | 1 | - | 40 | 60 | 100 | 4 | E |
| RLMCA231 | Database Lab | - | | 4 | 100 | | 100 | 1 | S |
| RLMCA233 | Web Programming Lab | - | | 4 | 100 | | 100 | 1 | Т |
| | TOTAL | 15 | 5 | 8 | 400 | 300 | 700 | 22 | |

| | Master of Computer Applications (Regular) | | Hours / week | | IA marks | ESE Marks | Total | Credits | Exam |
|-----------|---|----|-----------------|-----|-------------|--------------|-------|---------|------|
| Course No | Course | L | Т | P | | | | | slot |
| RLMCA202 | Application Development and Maintenance | 3 | 1 | ı | 40 | 60 | 100 | 4 | Α |
| RLMCA204 | Big Data Technologies | 3 | 1 | - | 40 | 60 | 100 | 4 | В |
| RLMCA206 | Mobile Computing | 3 | 1 | - | 40 | 60 | 100 | 4 | С |
| RLMCA208 | Introduction to Machine Learning | 3 | 1 | - | 40 | 60 | 100 | 4 | D |
| RLMCA2 | Elective I | 3 | 1, | - 1 | 40 | 60 | 100 | 4 | Ε |
| RLMCA232 | System Design Lab | - | K | 4 | 100 | M | 100 | 1 | S |
| RLMCA234 | Mobile Application Development Lab | | | 4 | 100 | 11 4 | 100 | 1 | Т |
| | TOTAL | 15 | 5 | 8 | 400 | 300 | 700 | 22 | |

| | ELECTIVE-I | |
|----------|--|--|
| RLMCA262 | Functional Programming | |
| | | |
| RLMCA264 | Design and Analysis of Parallel Algorithms | |
| RLMCA266 | Advanced Database Systems | |
| RLMCA268 | Computational Science | |
| RLMCA272 | Advanced Java Programming | |
| RLMCA274 | Business Intelligence and its Applications | |



| | Master of Computer Applications (Regular) | Hours / week | | IA marks | ESE Marks | Total | Credits | Exam | |
|-----------|---|-----------------|---|-------------|--------------|-------|---------|------|------|
| Course No | Course | L | Т | P | | | | | slot |
| RLMCA301 | Web Data Mining | 3 | 1 | - | 40 | 60 | 100 | 4 | Α |
| RLMCA303 | E-Commerce | 3 | - | - | 40 | 60 | 100 | 3 | В |
| RLMCA305 | Cryptography and Cyber Security | 3 | 1 | - | 40 | 60 | 100 | 4 | С |
| RLMCA3 | Elective II | 3 | 1 | - | 40 | 60 | 100 | 4 | D |
| RLMCA3 | Elective III | 3 | 1 | - | 40 | 60 | 100 | 4 | Е |
| RLMCA341 | Seminar A A A | - | X | 2 | 50 | V A | 50 | 2 | S |
| RLMCA351 | Mini Project | | | 8 | 150 | A. V. | 150 | 2 | Т |
| | TOTAL | 15 | 4 | 10 | 400 | 300 | 700 | 23 | |

| | ELECTIVE-II | | ELECTIVE-III |
|----------|-------------------------|-------------------------|------------------------------------|
| RLMCA361 | Compiler Construction | RLMCA381 | Cloud Computing |
| RLMCA363 | IPR and Cyber Law | RLMCA383 | Human Computer Interaction |
| RLMCA365 | Cyber Forensics | RLMCA385 | Bioinformatics |
| RLMCA367 | Internet of Things | RLMCA387 | Computer Graphics |
| RLMCA369 | Python Programming | RLMCA389 | Parallel and Distributed Computing |
| RLMCA371 | Social Network Analysis | RLM <mark>CA</mark> 391 | Artificial Intelligence |

| | Master of Computer Applications (Regular) | Hours / week | | • | | • | | • | | • | | · · | | • | | ESE Marks | Total | Credits | |
|------------------|---|-----------------|------|------|-------|----|------|-----|--|---|--|-----|--|---|--|--------------|-------|---------|--|
| Course No | Course | L | Т | Р | | | | | | | | | | | | | | | |
| RLIMCA352 | Project and Viva Voce | | | 30 | 70 | 30 | 100 | 12 | | | | | | | | | | | |
| | 200 | Cui | nula | tive | Γotal | • | 3600 | 123 | | | | | | | | | | | |



APJ ABDUL KALAM

TECHNOLOGICAL

UNIVERSITY

MASTER OF COMPUTER APPLICATIONS (LATERAL ENTRY)

CURRICULUM - SEMESTERS I to IV

Year : 2016

No. of credits: 79

2014

| | Master of Computer Applications (LE) | Hours / week | | - | | ESE Marks | Total | Credits | Exam |
|-----------|--------------------------------------|-----------------|----|---|-----|--------------|-------|---------|------|
| Course No | Course | L | | | | | | | slot |
| RLMCA201 | Computer Networks | 3 | 1 | 1 | 40 | 60 | 100 | 4 | Α |
| RLMCA203 | Software Engineering | 3 | 1 | 1 | 40 | 60 | 100 | 4 | В |
| RLMCA205 | Database Management Systems | 3 | 1 | 1 | 40 | 60 | 100 | 4 | С |
| RLMCA207 | Design and Analysis of Algorithms | 3 | 1 | 1 | 40 | 60 | 100 | 4 | D |
| RLMCA209 | Web Programming | 3 | 1 | - | 40 | 60 | 100 | 4 | E |
| RLMCA231 | Database Lab | - | 1/ | 4 | 100 | \ N. | 100 | 1 | S |
| RLMCA233 | Web Programming Lab | | | 4 | 100 | TIM | 100 | 1 | Т |
| | TOTAL | 15 | 5 | 8 | 400 | 300 | 700 | 22 | |

| | Master of Computer Applications (LE) | | Hours / week | | IA marks | ESE Marks | Total | Credits | Exam |
|-----------|---|----|-----------------|---|-------------|--------------|-------|---------|------|
| Course No | Course | L | Т | Р | | | | | slot |
| RLMCA202 | Application Development and Maintenance | 3 | 1 | - | 40 | 60 | 100 | 4 | Α |
| RLMCA204 | Big Data Technologies | 3 | 1 | 1 | 40 | 60 | 100 | 4 | В |
| RLMCA206 | Mobile Computing | 3 | 1 | - | 40 | 60 | 100 | 4 | С |
| RLMCA208 | Introduction to Machine Learning | 3 | 1 | - | 40 | 60 | 100 | 4 | D |
| RLMCA2 | Elective I | 3 | 1 | - | 40 | 60 | 100 | 4 | Е |
| RLMCA232 | System Design Lab | - | | 4 | 100 | | 100 | 1 | S |
| RLMCA234 | Mobile Application Development Lab | - | 1 | 4 | 100 | | 100 | 1 | T |
| | TOTAL | 15 | 5 | 8 | 400 | 300 | 700 | 22 | |

| | Fstd |
|----------|--|
| | ELECTIVE-I |
| RLMCA262 | Functional Programming |
| RLMCA264 | Design and Analysis of Parallel Algorithms |
| RLMCA266 | Advanced Database Systems 2014 |
| RLMCA268 | Computational Science |
| RLMCA272 | Advanced Java Programming |
| RLMCA274 | Business Intelligence and its Applications |

| | Master of Computer Applications (LE) | Hours / week | | IA | ESE Marks | Total | Credits | Exam | |
|-----------|--------------------------------------|-----------------|---|------|--------------|-------|---------|------|------|
| Course No | Course | L | Т | Р | marks | | | | slot |
| RLMCA301 | Web Data Mining | 3 | 1 | - | 40 | 60 | 100 | 4 | Α |
| RLMCA303 | E-Commerce | 3 | - | - | 40 | 60 | 100 | 3 | В |
| RLMCA305 | Cryptography and Cyber Security | 3 | 1 | - | 40 | 60 | 100 | 4 | С |
| RLMCA3 | Elective II | 3 | 1 | - | 40 | 60 | 100 | 4 | D |
| RLMCA3 | Elective III | 3 | 1 | r- 1 | 40 | 60 | 100 | 4 | E |
| RLMCA341 | Seminar A | - | K | 2 | 50 / | Y IV | 50 | 2 | S |
| RLMCA351 | Mini Project | ŀ | | 8 | 150 | A T | 150 | 2 | Т |
| | TOTAL | 15 | 4 | 10 | 400 | 300 | 700 | 23 | |

| LINITEDCITY | | | | | | | | | | | | |
|-------------|-------------------------|-------------------------|------------------------------------|--|--|--|--|--|--|--|--|--|
| | ELECTIVE-II | ELECTIVE-III | | | | | | | | | | |
| RLMCA361 | Compiler Construction | RLMCA381 | Cloud Computing | | | | | | | | | |
| RLMCA363 | IPR and Cyber Law | RLMCA383 | Human Computer Interaction | | | | | | | | | |
| RLMCA365 | Cyber Forensics | RLMCA385 | Bioinformatics | | | | | | | | | |
| RLMCA367 | Internet of Things | RLMCA387 | Computer Graphics | | | | | | | | | |
| RLMCA369 | Python Programming | RLMCA389 | Parallel and Distributed Computing | | | | | | | | | |
| RLMCA371 | Social Network Analysis | RLM <mark>CA</mark> 391 | Artificial Intelligence | | | | | | | | | |

| | Master of Computer Applications (LE) | | | Hours / week | | ESE Marks | Total | Credits | Exam |
|-----------|--------------------------------------|---|---|-----------------|----|--------------|-------|---------|------|
| Course No | Course | L | Т | Р | | | | | slot |
| RLMCA352 | Project and Viva Voce | | | 30 | 70 | 30 | 100 | 12 | S |
| | TOTAL | | | | 70 | 30 | 100 | 12 | |
| | CUMULATIVE TOTAL | | | | | 2200 | | 79 | |