

(SCHEME OF EXAMINATIONS)

Scheme of Programme Code: 187 Programme Name: MASTER OF TECHNOLOGY (ROBOTICS AND AUTOMATION) SchemeID: 311872015002 Sem./Year: 02 SEMESTER
Institution Code: 164 Institution: UNIVERSITY SCHOOL OF INFORMATION, COMMUNICATION & TECHNOLOGY (FORMERLY USIT)

| S.No. | Paper ID | Code | Subject | Credit | Type | Exam | Mode | Kind | Minor | Major | Max. Marks | Pass Marks |
|-------|----------|---------|-------------------------------------|--------|-----------|------|------------|-----------|-------|-------|------------|------------|
| 01 | 260602 | MERA602 | MOBILE ROBOTS | 4 | THEORY | UES | COMPULSORY | MANDATORY | 25 | 75 | 100 | 40 |
| 02 | 260604 | MERA604 | EMBEDDED SYSTEMS DESIGN | 4 | THEORY | UES | COMPULSORY | MANDATORY | 25 | 75 | 100 | 40 |
| 03 | 260606 | MERA606 | ARTIFICIAL INTELLIGENCE | 4 | THEORY | UES | COMPULSORY | MANDATORY | 25 | 75 | 100 | 40 |
| 04 | 260608 | MERA608 | IMAGE PROCESSING | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 05 | 260610 | MERA610 | CAD/CAM | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 06 | 260612 | MERA612 | INTRUMENTATION AND SENSORS | 4 | THEORY | UES | ELECTIVE | MANDATORY | 25 | 75 | 100 | 40 |
| 07 | 260614 | MERA614 | PNEUMATIC AND HYDRAULIC CONTROL | 4 | THEORY | UES | ELECTIVE | MANDATORY | 25 | 75 | 100 | 40 |
| 08 | 260616 | MERA616 | PROGRAMMING AND DATA STRUCTURE | 4 | THEORY | UES | ELECTIVE | MANDATORY | 25 | 75 | 100 | 40 |
| 09 | 260618 | MERA618 | OPTIMIZATION TECHNIQUES | 4 | THEORY | UES | ELECTIVE | MANDATORY | 25 | 75 | 100 | 40 |
| 10 | 260620 | MERA620 | ADVANCED MANUFACTURING SYSTEMS | 4 | THEORY | UES | ELECTIVE | MANDATORY | 25 | 75 | 100 | 40 |
| 11 | 260652 | MERA652 | LAB-IV (EMBEDDED SYSTEM LAB) | 1 | PRACTICAL | UES | COMPULSORY | MANDATORY | 40 | 60 | 100 | 40 |
| 12 | 260654 | MERA654 | LAB-V (ARTIFICIAL INTELLIGENCE LAB) | 1 | PRACTICAL | UES | COMPULSORY | MANDATORY | 40 | 60 | 100 | 40 |
| 13 | 260656 | MERA656 | LAB-VI (ELECTIVE LAB) | 1 | PRACTICAL | UES | COMPULSORY | MANDATORY | 40 | 60 | 100 | 40 |
| 14 | 260658 | MERA658 | TERM PAPER-II | 2 | PRACTICAL | NUES | COMPULSORY | DROPPABLE | -- | 100 | 100 | 40 |

(SCHEME OF EXAMINATIONS)

Scheme of Programme Code: 187 Programme Name: MASTER OF TECHNOLOGY (ROBOTICS AND AUTOMATION) SchemeID: 311872015001 Sem./Year: 02 SEMESTER
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| S.No. | Paper ID | Code | Subject | Credit | Type | Exam | Mode | Kind | Minor | Major | Max. Marks | Pass Marks |
|-------|----------|---------|-------------------------------------|--------|-----------|------|------------|-----------|-------|-------|------------|------------|
| 01 | 260602 | MERA602 | MOBILE ROBOTS | 4 | THEORY | UES | COMPULSORY | MANDATORY | 25 | 75 | 100 | 40 |
| 02 | 260604 | MERA604 | EMBEDDED SYSTEMS DESIGN | 4 | THEORY | UES | COMPULSORY | MANDATORY | 25 | 75 | 100 | 40 |
| 03 | 260606 | MERA606 | ARTIFICIAL INTELLIGENCE | 4 | THEORY | UES | COMPULSORY | MANDATORY | 25 | 75 | 100 | 40 |
| 04 | 260608 | MERA608 | IMAGE PROCESSING | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 05 | 260610 | MERA610 | CAD/CAM | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 06 | 260612 | MERA612 | INTRUMENTATION AND SENSORS | 4 | THEORY | UES | ELECTIVE | MANDATORY | 25 | 75 | 100 | 40 |
| 07 | 260614 | MERA614 | PNEUMATIC AND HYDRAULIC CONTROL | 4 | THEORY | UES | ELECTIVE | MANDATORY | 25 | 75 | 100 | 40 |
| 08 | 260616 | MERA616 | PROGRAMMING AND DATA STRUCTURE | 4 | THEORY | UES | ELECTIVE | MANDATORY | 25 | 75 | 100 | 40 |
| 09 | 260618 | MERA618 | OPTIMIZATION TECHNIQUES | 4 | THEORY | UES | ELECTIVE | MANDATORY | 25 | 75 | 100 | 40 |
| 10 | 260620 | MERA620 | ADVANCED MANUFACTURING SYSTEMS | 4 | THEORY | UES | ELECTIVE | MANDATORY | 25 | 75 | 100 | 40 |
| 11 | 260652 | MERA652 | LAB-IV (EMBEDDED SYSTEM LAB) | 1 | PRACTICAL | UES | COMPULSORY | MANDATORY | 40 | 60 | 100 | 40 |
| 12 | 260654 | MERA654 | LAB-V (ARTIFICIAL INTELLIGENCE LAB) | 1 | PRACTICAL | UES | COMPULSORY | MANDATORY | 40 | 60 | 100 | 40 |
| 13 | 260656 | MERA656 | LAB-VI (ELECTIVE LAB) | 1 | PRACTICAL | UES | COMPULSORY | MANDATORY | 40 | 60 | 100 | 40 |
| 14 | 260658 | MERA658 | TERM PAPER-II | 2 | PRACTICAL | NUES | COMPULSORY | DROPPABLE | -- | 100 | 100 | 40 |

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| S.No. | Paper ID | Code | Subject | Credit | Type | Exam | Mode | Kind | Minor | Major | Max. Marks | Pass Marks |
|-------|----------|---------|-------------------------------------|--------|-----------|------|------------|-----------|-------|-------|------------|------------|
| 01 | 260602 | MERA602 | MOBILE ROBOTS | 4 | THEORY | UES | COMPULSORY | MANDATORY | 25 | 75 | 100 | 40 |
| 02 | 260604 | MERA604 | EMBEDDED SYSTEMS DESIGN | 4 | THEORY | UES | COMPULSORY | MANDATORY | 25 | 75 | 100 | 40 |
| 03 | 260606 | MERA606 | ARTIFICIAL INTELLIGENCE | 4 | THEORY | UES | COMPULSORY | MANDATORY | 25 | 75 | 100 | 40 |
| 04 | 260608 | MERA608 | IMAGE PROCESSING | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 05 | 260610 | MERA610 | CAD/CAM | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 06 | 260612 | MERA612 | INTRUMENTATION AND SENSORS | 4 | THEORY | UES | ELECTIVE | MANDATORY | 25 | 75 | 100 | 40 |
| 07 | 260614 | MERA614 | PNEUMATIC AND HYDRAULIC CONTROL | 4 | THEORY | UES | ELECTIVE | MANDATORY | 25 | 75 | 100 | 40 |
| 08 | 260616 | MERA616 | PROGRAMMING AND DATA STRUCTURE | 4 | THEORY | UES | ELECTIVE | MANDATORY | 25 | 75 | 100 | 40 |
| 09 | 260618 | MERA618 | OPTIMIZATION TECHNIQUES | 4 | THEORY | UES | ELECTIVE | MANDATORY | 25 | 75 | 100 | 40 |
| 10 | 260620 | MERA620 | ADVANCED MANUFACTURING SYSTEMS | 4 | THEORY | UES | ELECTIVE | MANDATORY | 25 | 75 | 100 | 40 |
| 11 | 260652 | MERA652 | LAB-IV (EMBEDDED SYSTEM LAB) | 1 | PRACTICAL | UES | COMPULSORY | MANDATORY | 40 | 60 | 100 | 40 |
| 12 | 260654 | MERA654 | LAB-V (ARTIFICIAL INTELLIGENCE LAB) | 1 | PRACTICAL | UES | COMPULSORY | MANDATORY | 40 | 60 | 100 | 40 |
| 13 | 260656 | MERA656 | LAB-VI (ELECTIVE LAB) | 1 | PRACTICAL | UES | COMPULSORY | MANDATORY | 40 | 60 | 100 | 40 |
| 14 | 260658 | MERA658 | TERM PAPER-II | 2 | PRACTICAL | NUES | COMPULSORY | DROPPABLE | -- | 100 | 100 | 40 |

