

(SCHEME OF EXAMINATIONS)

Scheme of Programme Code: 052 Programme Name: MASTER OF TECHNOLOGY (VLSI DESIGN) SchemeID: 310522015001 Sem./Year: 01 SEMESTER
Institution Code: 118 Institution: C-DAC, NOIDA

| S.No. | Paper ID | Code | Subject | Credit | Type | Exam | Mode | Kind | Minor | Major | Max. Marks | Pass Marks |
|-------|----------|---------|---------------------------------------|--------|-----------|------|------------|-----------|-------|-------|------------|------------|
| 01 | 52601 | MEVS601 | DIGITAL SYSTEM DESIGN USING VERILOG | 4 | THEORY | UES | COMPULSORY | MANDATORY | 25 | 75 | 100 | 40 |
| 02 | 52603 | MEVS603 | VLSI TECHNOLOGY | 4 | THEORY | UES | COMPULSORY | MANDATORY | 25 | 75 | 100 | 40 |
| 03 | 52605 | MEVS605 | ADVANCED VLSI DESIGN | 4 | THEORY | UES | COMPULSORY | MANDATORY | 25 | 75 | 100 | 40 |
| 04 | 48607 | MECS607 | ADVANCED COMPUTER ARCHITECTURE | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 05 | 52609 | MEVS609 | ALGORITHM ANALYSIS AND DESIGN | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 06 | 48611 | MECS611 | COMPUTATIONAL TECHNIQUES USING MATLAB | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 07 | 52611 | MEVS611 | DSP FOR VLSI DESIGN | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 08 | 52613 | MEVS613 | WIRELESS NETWORKS | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 09 | 52615 | MEVS615 | RESEARCH METHODOLOGIES | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 10 | 52651 | MEVS651 | LAB-1 (DSD LAB) | 1 | PRACTICAL | UES | COMPULSORY | MANDATORY | 40 | 60 | 100 | 40 |
| 11 | 52653 | MEVS653 | LAB-2 (VLSI TECH. LAB) | 1 | PRACTICAL | UES | COMPULSORY | MANDATORY | 40 | 60 | 100 | 40 |
| 12 | 52655 | MEVS655 | LAB-3 (AD. VLSI LAB) | 1 | PRACTICAL | UES | COMPULSORY | MANDATORY | 40 | 60 | 100 | 40 |
| 13 | 52657 | MEVS657 | TERM PAPER-I | 2 | PRACTICAL | NUES | COMPULSORY | MANDATORY | -- | 100 | 100 | 40 |

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|-------|----------|---------|---|--------|-----------|------|------------|-----------|-------|-------|------------|------------|
| 01 | 52701 | MEVS701 | ALGORITHM FOR VLSI PHYSICAL DESIGN AUTOMATION | 4 | THEORY | UES | COMPULSORY | MANDATORY | 25 | 75 | 100 | 40 |
| 02 | 52703 | MEVS703 | VLSI DESIGN TEST AND TESTABILITY | 4 | THEORY | UES | COMPULSORY | MANDATORY | 25 | 75 | 100 | 40 |
| 03 | 42705 | MEEC705 | EMBEDDED SYSTEMS & RTOS | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 04 | 52705 | MEVS705 | ANALOG-MIXED SIGNAL DESIGN | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 05 | 52707 | MEVS707 | HARDWARE-SOFTWARE CO-DESIGN | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 06 | 52709 | MEVS709 | DESIGNING WITH FPGA | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 07 | 52711 | MEVS711 | ADVANCED DIGITAL COMMUNICATION SYSTEM | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 08 | 52713 | MEVS713 | MEMS AND IC INTEGRATION | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 09 | 52715 | MEVS715 | NETWORK ON CHIP DESIGN | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 10 | 52717 | MEVS717 | CMOS RF DESIGN | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 11 | 52719 | MEVS719 | CIRCUIT INTERCONNECTIONS AND PACKAGING FOR VLSI | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 12 | 52751 | MEVS751 | LAB-7 (ALGO. VLSI PDA LAB) | 1 | PRACTICAL | UES | COMPULSORY | MANDATORY | 40 | 60 | 100 | 40 |
| 13 | 52753 | MEVS753 | LAB-8 (VDTT LAB) | 1 | PRACTICAL | UES | COMPULSORY | MANDATORY | 40 | 60 | 100 | 40 |
| 14 | 52755 | MEVS755 | TERM PAPER III | 2 | PRACTICAL | NUES | COMPULSORY | MANDATORY | -- | 100 | 100 | 40 |
| 15 | 52757 | MEVS757 | MINOR PROJECT | 4 | PRACTICAL | UES | COMPULSORY | MANDATORY | 40 | 60 | 100 | 40 |

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|-------|----------|---------|---------------------------------------|--------|-----------|------|------------|-----------|-------|-------|------------|------------|
| 01 | 52601 | MEVS601 | DIGITAL SYSTEM DESIGN USING VERILOG | 4 | THEORY | UES | COMPULSORY | MANDATORY | 25 | 75 | 100 | 40 |
| 02 | 52603 | MEVS603 | VLSI TECHNOLOGY | 4 | THEORY | UES | COMPULSORY | MANDATORY | 25 | 75 | 100 | 40 |
| 03 | 52605 | MEVS605 | ADVANCED VLSI DESIGN | 4 | THEORY | UES | COMPULSORY | MANDATORY | 25 | 75 | 100 | 40 |
| 04 | 48607 | MECS607 | ADVANCED COMPUTER ARCHITECTURE | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 05 | 52609 | MEVS609 | ALGORITHM ANALYSIS AND DESIGN | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 06 | 48611 | MECS611 | COMPUTATIONAL TECHNIQUES USING MATLAB | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 07 | 52611 | MEVS611 | DSP FOR VLSI DESIGN | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 08 | 52613 | MEVS613 | WIRELESS NETWORKS | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 09 | 52615 | MEVS615 | RESEARCH METHODOLOGIES | 4 | THEORY | UES | ELECTIVE | DROPPABLE | 25 | 75 | 100 | 40 |
| 10 | 52651 | MEVS651 | LAB-1 (DSD LAB) | 1 | PRACTICAL | UES | COMPULSORY | MANDATORY | 40 | 60 | 100 | 40 |
| 11 | 52653 | MEVS653 | LAB-2 (VLSI TECH. LAB) | 1 | PRACTICAL | UES | COMPULSORY | MANDATORY | 40 | 60 | 100 | 40 |
| 12 | 52655 | MEVS655 | LAB-3 (AD. VLSI LAB) | 1 | PRACTICAL | UES | COMPULSORY | MANDATORY | 40 | 60 | 100 | 40 |
| 13 | 52657 | MEVS657 | TERM PAPER-I | 2 | PRACTICAL | NUES | COMPULSORY | MANDATORY | -- | 100 | 100 | 40 |

