# HERITAGE INSTITUTE OF TECHNOLOGY

TIME TABLE

**<ECE(VLSI)>**

**M. Tech 1st Year 1st Semester** **SESSION: 2023-2024**

| DAY | 9.00 AM – 9.55 AM | 9.55 AM – 10.50 AM | 10.50 AM – 11.45 AM | 11.45 AM – 12.25 PM | 12.25 PM – 1.20 PM | 1.20 PM – 2.15 PM | 2.15 PM – 3.10 PM | 3.10 PM – 4.05 PM | 4.05 PM – 5.00 PM | 5.00 PM – 5.55 PM |
|---|---|---|---|---|---|---|---|---|---|---|
| MON | **L/VLSI5101/KD/ICT614** | **L/VLSI5132/TC/ICT614** | L/VLSI5102/SJC/ICT614 | | **MENTORING/ICT 614** | | | | | |
| **TUE** | L/VLSI5102/SJC/ICT614 | **L/VLSI5142/SP/ICT614** | **LIBRARY** | | | | | | | |
| **WED** | **L/VLSI5101/KD/ICT614** | | L/VLSI5142/SP/ICT614 | | **LAB/VLSI5151/PS/ICT602/PS*** | | | | | |
| **THU** | **L/VLSI5132/TC/ICT614** | **L/ECEN5103/MK/ICT612** | | | | **LAB/VLSI5152/AS/ICT602/AR*** | | | | |
| **FRI** | **L/VLSI5102/SJC/ICT614** | **L/DIMA5116/SR/CB 418** | | | L/VLSI5142/SP/ICT614 | **L/VLSI5132/TC/ICT614** | | | | |

**To be Effective from the date of commencement of First year classes**
**A minimum of 75% attendance is mandatory for being eligible to sit for the End-Semester Examination**
**Students should target 100% attendance**

**Member** **HOD** **Principal**

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| INITIALS | FULLNAME | DEPT | INITIALS | FULLNAME | DEPT |
|---|---|---|---|---|---|
| KD | KRISHANU DUTTA | ECE | PS* | PRITAM SAHU | ECE |
| MK | MOUSIKI KAR | ECE | AR* | ADITI ROY | ECE |
| SJC | SUBHRAJIT CHAKRABORTY | ECE | | | |
| TC | TAPAS CHAKRABORTY | ECE | | | |
| SP | SRABANTI PANDIT | ECE | | | |
| PS | PRATIMA SHAW | ECE | | | |
| SR | SIULI ROY | IT | | | |
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**<ECE(VLSI)>**

**M. Tech Year 1st Semester** **SESSION: 2023-2024**

**COURSE STRUCTURE:**

***COURSE STRUCTURE IN***

M.Tech. **VLSI**

**1st, Year, Semester I**

| A. Theory | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sl. No. | Course Type | Code | Course Title | Contact Hours/Week | | | | Credits |
| | | | | L | T | P | Total | |
| 1 | Professional core 1 | VLSI5101 | Digital VLSI IC Design | 3 | 0 | 0 | 3 | 3 |
| 2 | Professional core 2 | VLSI5102 | Embedded Systems Design | 3 | 0 | 0 | 3 | 3 |
| 3 | Professional Elective PE-1 | VLSI5131 | DSP For VLSI System | 3 | 0 | 0 | 3 | 3 |
| | | VLSI5132 | VLSI IC Fabrication | | | | | |
| 4 | Professional Elective PE-2 | VLSI5141 | CAD of Digital System | 3 | 0 | 0 | 3 | 3 |
| | | VLSI5142 | Modelling of VLSI Device | | | | | |
| 5 | Mgt. Group | ECEN5103 | Research Methodology and IPR | 2 | 0 | 0 | 2 | 2 |
| 6 | Audit 1 | DIMA5116 | Disaster Management | 2 | 0 | 0 | 2 | 0 |
| | | INCO5117 | Constitution of India | | | | | |
| | | PDLS5118 | Personality Development | | | | | |
| | | YOGA5119 | Stress Management by Yoga | | | | | |
| | | SANS5120 | Sanskrit for Technical Knowledge | | | | | |
| **Total of Theory** | | | | **16** | **0** | **0** | **16** | **14** |

| B. Practical | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | Professional Core Lab1 | VLSI5151 | Digital VLSI IC Design Lab | 0 | 0 | 4 | 4 | 2 |
| 2 | Professional Core Lab2 | VLSI5152 | Embedded Systems Design Lab | 0 | 0 | 4 | 4 | 2 |
| **Total of Practical** | | | | 0 | 0 | 8 | 8 | 4 |
| **Total of Semester** | | | | **16** | **0** | **8** | **24** | **18** |

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