



# PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

## EXAM OF 2025 SEMESTER PATTERN EXAMINATION

### FINAL PROGRAM OF THE MASTER OF TECHNOLOGY (M.TECH.) EXAMINATIONS IN THE BRANCHES

OCT./NOV.--2025 EXAMINATION TO BE HELD IN OCT-2025

- [1] CIVIL STRUCTURAL ENGINEERING [2] MECHANICAL DESIGN [3] ELECTRONICS ENGINEERING  
[4] ELECTRONICS&TELE-COMM. [5] COMPUTERS&SCIENCE& ENGG

1. Candidates are requested to be present at their respective places of Examinations FIFTEEN MINUTES before the time starting of the first paper and TEN MINUTES before the time starting of each subsequent paper. They are forbidden to take any book or paper into the Examination Hall.
2. **Important Note:** Code Numbers given in the Bracket are Computer Code of respective Subjects, Students should mention these Code Numbers on Answer Books with Name of the Subject. Also write these Code Numbers on JSR (Junior Supervisor Report) and related documents.
3. All the Candidates are asked to follow the timely instructions given by University in accordance with the examinations methodology.
4. As per the Rights of Person with Disabilities Act-2016 the persons with Disabilities are given 20 Minutes extra for one per hour for the Online/Offline exam. ( केंद्र शासनाच्या अपंग व्यक्ती अधिकार अधिनियम २०१६ मधील तरतूदीनुसार अपंग विद्यार्थ्यांना ऑनलाईन व ऑफलाईन परीक्षेमध्ये सर्वसाधारण विद्यार्थ्यांपेक्षा १ तासाला कमीत कमी २० मिनीट इतका वेळ वाढवून देण्यास सर्वानुमते मान्यता देण्यात आली.)

### The Center& Place of the Examinations will be as under.

| Sr. No. | Centre Name | College Abbreviation | College Name                                |
|---------|-------------|----------------------|---------------------------------------------|
| 1       | Solapur     | WIT                  | Walchand Institute of Technology            |
| 2       |             | BMIT                 | Brahmdevdada Mane Institute of Technology   |
| 3       |             | NBNSCOE              | N.B.Navale Sinhgad College of Engg., Kegaon |
| 4       | Pandharpur  | COEP                 | SVERI College of Engineering, Pandharpur    |
| 5       |             | SCOEK                | S.K.N.Sinhgad College of Engg. Korti        |

**[1] Civil–(Structures Engineering)**

| Day & Date              | Sr. No.          | <b><u>F.Y.(M.Tech.)Sem–I (Neww.e.f.June2023)</u></b><br><b>(CBCS PATTERN -2023)</b><br><b>Time:10:00 a.m.to 2:00 p.m</b>                                                                         |
|-------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Monday<br>15/12/2025    | 1                | Advanced structural analysis (MTCE0101)                                                                                                                                                          |
| Tuesday<br>16/12/2025   | 2                | Advanced solid Mechanics (MTCE0102)                                                                                                                                                              |
| Wednesday<br>17/12/2025 | 3                | Dynamics& Earthquake Engineering (MTCE0103)                                                                                                                                                      |
| Thursday<br>18/12/2025  | 4<br>5<br>6<br>7 | Elective-I<br>1. Structural Audits (MTCE0106)<br>2. Design of Prestressed Concrete Structures (MTCE0107)<br>3. Advanced Design of Foundation (MTCE0108)<br>4. Structural Optimization (MTCE0109) |
| Friday<br>19/12/2025    | 8                | Research Methodology and IPR© (MTCE0104)                                                                                                                                                         |

| Day & Date              | Sr. No.              | <b><u>F.Y.(M.Tech.)Sem–II (Neww.e.f.Nov.2023)</u></b><br><b>(CBCS PATTERN JUNE -2023)</b><br><b>Time:10:00a.m.to 2:00p.m</b>                                                                       |
|-------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Monday<br>08/12/2025    | 9                    | FEM in Structural Engineering (MTCE0201)                                                                                                                                                           |
| Tuesday<br>09/12/2025   | 10                   | Advanced Design of Concrete Structures(MTCE0202)                                                                                                                                                   |
| Wednesday<br>10/12/2025 | 11                   | Special Concrete & Concrete Composite(MTCE0203)                                                                                                                                                    |
| Thursday<br>11/12/2025  | 12<br>13<br>14<br>15 | Elective-II<br>1. Theory of Plates and Shell (MTCE0206)<br>2. Design of Formwork(MTCE0207)<br>3. Repair and Rehabilitation of Structures(MTCE0208)<br>4. Design of Industrial Structures(MTCE0209) |
| Friday<br>12/12/2025    | 16<br>17<br>18<br>19 | Elective-III<br>1. Theory of Structural Stability (MTCE0210)<br>2. Design of RCC Bridges (MTCE0211)<br>3. Advanced Steel Design (MTCE0212)<br>4. Soil Structure Interaction (MTCE0213)             |

| Day & Date           | Sr. No.                    | <u>S.Y.(M.Tech.)Sem–III (New w.e.f.June.2023)</u><br>(CBCS PATTERN JUNE-2023)<br>Time:10:00a.m.to 1:00p.m                                                                                                                       |
|----------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Monday<br>15/12/2025 | 20<br>21<br>22<br>23<br>24 | <b>Open Elective-</b><br>1)Business Analytics(OE001A)<br>2)Operation Research (OE001B)<br>3)Cost Management of Engineering Projects (OE001C)<br>4)Nonconventional Energy(OE001D)<br>5) 5)Product Design and Development(OE001E) |

**[2] Mechanical–(Design Engineering)**

| Day&Date                | Sr. No.              | <b>F.Y.(M.Tech.)Sem–I (New w.e.f.June 2023)</b><br><b>(CBCS PATTERN -2023)</b><br><b>Time:10:00a.m.to 1:00p.m</b>                                                                                     |
|-------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Monday<br>15/12/2025    | 25                   | Advanced stress analysis(MTDE101)                                                                                                                                                                     |
| Tuesday<br>16/12/2025   | 26                   | Advanced Vibrations and Acoustics (MTDE102)                                                                                                                                                           |
| Wednesday<br>17/12/2025 | 27                   | Industrial Instrumentation(MTDE103)                                                                                                                                                                   |
| Thursday<br>18/12/2025  | 28<br>29<br>30<br>31 | <b><u>Elective-I</u></b><br>1.ComputationalTechniquesin Design Engineering (MTDE106)<br>2.ReliabilityEngineering (MTDE107)<br>3.Mechanical System Design(MTDE108)<br>4.Computer Aided Design(MTDE109) |
| Friday<br>19/12/2025    | 32                   | Research Methodology and IPR(MTDE104)                                                                                                                                                                 |

| Day&Date                | Sr. No.              | <b>F.Y.(M.Tech.)Sem–II (Neww.e.f.Nov.2023)</b><br><b>(CBCS PATTERN JUNE-2023)</b><br><b>Time:10:00a.m.to 1:00p.m</b>                                                                                                           |
|-------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Monday<br>08/12/2025    | 33                   | Finite Element Method (MTDE201)                                                                                                                                                                                                |
| Tuesday<br>09/12/2025   | 34                   | Advanced Design Engineering (MTDE202)                                                                                                                                                                                          |
| Wednesday<br>10/12/2025 | 35                   | Industrial Product Design (MTDE203)                                                                                                                                                                                            |
| Thursday<br>11/12/2025  | 36<br>37<br>38<br>39 | <b><u>Elective-II</u></b><br>1.TheoryandAnalysisofCompositeMaterials (MTDE205)<br>2. Engineering Design Optimization (MTDE206)<br>3.Industrial Tribology (MTDE207)<br>4. Advanced Engineering Materials(MTDE208)               |
| Friday<br>12/12/2025    | 40<br>41<br>42<br>43 | <b><u>Elective-III</u></b><br>1.Engineering Fracture Mechanics (MTDE209)<br>2.Project Management (MTDE210)<br>3.Design for Manufacture and Assembly (MTDE211)<br>4. Analysis and Synthesis of Mechanisms and Machine (MTDE212) |

| Day & Date           | Sr. No.                    | <u>S.Y.(M.Tech.)Sem–III (Neww.e.f.June.2023)</u><br>(CBCS PATTERN JUNE-2023)<br>Time:10:00a.m.to 1:00p.m                                                                                                                    |
|----------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Monday<br>15/12/2025 | 44<br>45<br>46<br>47<br>48 | <b>Open Elective-</b><br>1)Business Analytics(OE001A)<br>2)Operation Research (OE001B)<br>3)Cost Management of Engineering Projects(OE001C)<br>4)Nonconventional Energy(OE001D)<br>5)Product Design and Development(OE001E) |

### [3] Electronics Engineering

| Day & Date              | Sr. No.        | <b><u>F.Y.(M.Tech.)Sem-I (Neww.e.f.June2023)</u></b><br><b>(CBCS PATTERN -2023)</b><br><b>Time:10:00a.m.to 1:00p.m</b>                                         |
|-------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Monday<br>15/12/2025    | 49             | Digital Design and Verification (MTEL101)                                                                                                                      |
| Tuesday<br>16/12/2025   | 50             | Advanced Digital Signal Processing (MTEL102)                                                                                                                   |
| Wednesday<br>17/12/2025 | 51             | Voice and Data Networks (MTEL103)                                                                                                                              |
| Thursday<br>18/12/2025  | 52             | Machine Learning© (MTEL104)                                                                                                                                    |
| Friday<br>19/12/2025    | 53<br>54<br>55 | <b><u>Elective-I</u></b><br>1. Wireless Sensor Networks (MTEL106)<br>2. Analog & Digital CMOS VLSI Design (MTEL107)<br>3. Image and Video Processing (MTEL108) |

| Day & Date              | Sr. No.              | <b><u>F.Y.(M.Tech.)Sem-II (Neww.e.f.Nov.2023)</u></b><br><b>(CBCS PATTERN JUNE-2023)</b><br><b>Time:10:00a.m.to 1:00p.m</b>                                                      |
|-------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Monday<br>08/12/2025    | 56                   | Research Methodology & IPR© (MTEL201)                                                                                                                                            |
| Tuesday<br>09/12/2025   | 57                   | Communication Buses & Interfaces (MTEL202)                                                                                                                                       |
| Wednesday<br>10/12/2025 | 58                   | Advanced IOT (MTEL203)                                                                                                                                                           |
| Thursday<br>11/12/2025  | 59                   | PLC, SCADA and Distributed Control Systems (MTEL204)                                                                                                                             |
| Friday<br>12/12/2025    | 60<br>61<br>62<br>63 | <b><u>Elective-II</u></b><br>1. Mobile Technology (MTEL206)<br>2. Real Time Systems (MTEL207)<br>3. VLSI in Signal Processing (MTEL208)<br>4. Advanced Control Systems (MTEL209) |

| Day & Date           | Sr. No.        | <u>S.Y.(M.Tech.) Sem-II (New w.e.f.Nov.2023)</u><br><b>(CBCS PATTERN JUNE-2023)</b><br><b>Time:10:00a.m.to 1:00p.m</b>                                          |                                                                                                       |
|----------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Monday<br>08/12/2025 | 64<br>65<br>66 | <b>Self-Learning</b><br>1) Network and Internet Security (MTEL304)<br>2) Programmable System on Chip(PSoC) ( MTEL305)<br>3) Advanced Process Control ( MTEL306) | <b>Candidates note that Self Learning Examination will be conducted in their Parent(home) College</b> |

| Day & Date           | Sr. No.                    | <u>S.Y.(M.Tech.)Sem-III (Neww.e.f.June.2023)</u><br><b>(CBCS PATTERN JUNE-2023)</b><br><b>Time:10:00a.m.to 1:00p.m</b>                                                                                                          |  |
|----------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Monday<br>15/12/2025 | 67<br>68<br>69<br>70<br>71 | <b>Open Elective-</b><br>1)Business Analytics (OE001A)<br>2)Operation Research (OE001B)<br>3)Cost Management of Engineering Projects (OE001C)<br>4)Nonconventional Energy (OE001D)<br>5)Product Design and Development (OE001E) |  |

#### [4] Electronics & Telecommunication Engineering

| Day&Date                | Sr. No.  | <b>F.Y.(M.Tech.)Sem-I (Neww.e.f.June2023)</b><br><b>(CBCS PATTERN -2023)</b><br><b>Time:10:00a.m.to 1:00p.m</b> |
|-------------------------|----------|-----------------------------------------------------------------------------------------------------------------|
| Monday<br>15/12/2025    | 72       | Research Methodology& IPR(MTETC101)                                                                             |
| Tuesday<br>16/12/2025   | 73       | Antenna Theory & Techniques (MTETC102)                                                                          |
| Wednesday<br>17/12/2025 | 74       | Advanced Embedded System(MTETC103)                                                                              |
| Thursday<br>18/12/2025  | 75<br>76 | Elective-I<br>1.BiomedicalSignalProcessing (MTETC105 )<br>2.Soft Computing Methods(MTETC106)                    |
| Friday<br>19/12/2025    | 77<br>78 | Elective –II<br>Digital VLSI Design (MTETC107)<br>Satellite Communication (MTETC108)                            |

| Day & Date              | Sr. No.  | <b>F.Y.(M.Tech.)Sem-II (Neww.e.f.Nov.2023)</b><br><b>(CBCS PATTERN JUNE-2023)</b><br><b>Time:10:00a.m.to 1:00p.m</b> |
|-------------------------|----------|----------------------------------------------------------------------------------------------------------------------|
| Monday<br>08/12/2025    | 79       | Advanced Light Wave Communication (MTETC201)                                                                         |
| Tuesday<br>09/12/2025   | 80       | RF& Microwave Engineering (MTETC202)                                                                                 |
| Wednesday<br>10/12/2025 | 81       | Advanced IoT (MTETC203)                                                                                              |
| Thursday<br>11/12/2025  | 82<br>83 | Elective-I<br>1. Wireless Communication System (MTETC205)<br>2. Information and Coding Theory (MTETC206)             |
| Friday<br>12/12/2025    | 84<br>85 | Elective- II<br>1. Cryptography and Network Security(MTETC207)<br>2. Automation and Industrial Robotics(MTETC208)    |

| Day & Date           | Sr. No.        | <u>S.Y.(M.Tech.)Sem-III (Neww.e.f.June.2023)</u><br><b>(CBCS PATTERN JUNE-2023)</b><br><b>Time:10:00a.m.to 1:00p.m</b>                                                  |                                                                                                       |
|----------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Monday<br>15/12/2025 | 86<br>87<br>88 | <b>Self-Learning</b><br>1. Design Thinking ( MTETC304)<br>2. Value Education & Professional Ethics( MTETC305)<br>3. Cyber Security and Information Assurance.(MTETC306) | <b>Candidates note that Self Learning Examination will be conducted in their Parent(home) College</b> |

| Day&Date             | Sr. No.                    | <u>S.Y.(M.Tech.)Sem-III (Neww.e.f.June.2023)</u><br><b>(CBCS PATTERN JUNE-2023)</b><br><b>Time:10:00a.m.to 1:00p.m</b>                                                                                                        |  |
|----------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Monday<br>15/12/2025 | 89<br>90<br>91<br>92<br>93 | <b>Open Elective</b><br>1)Business Analytics(OE001A)<br>2)Operation Research (OE001B)<br>3)Cost Management of Engineering Projects(OE001C)<br>4)Nonconventional Energy(OE001D)<br>1) 5)Product Design and Development(OE001E) |  |

**[5] Computer Science & Engineering**

| Day & Date              | Sr. No.                | <b><u>F.Y.(M.Tech.)Sem-I (Neww.e.f.June 2023)</u></b><br><b>(CBCS PATTERN -2023)</b><br><b>Time:10:00a.m.to 1:00p.m</b>                                                                      |
|-------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Monday<br>15/12/2025    | 94                     | Applied Algorithms (MTCSE101)                                                                                                                                                                |
| Tuesday<br>16/12/2025   | 95                     | Theory of Computation(MTCSE102)                                                                                                                                                              |
| Wednesday<br>17/12/2025 | 96                     | Data Mining (MTCSE103)                                                                                                                                                                       |
| Thursday<br>18/12/2025  | 97                     | Machine Learning© (MTCSE104)                                                                                                                                                                 |
| Friday<br>19/12/2025    | 98<br>99<br>100<br>101 | <b><u>Elective-I</u></b><br>1. Natural Language Processing (MTCSE106)<br>2. Soft Computing (MTCSE107)<br>3. Computer Vision (MTCSE108)<br>4. Object Oriented Software Engineering (MTCSE109) |

| Day&Date                | Sr. No.                  | <b><u>F.Y.(M.Tech.)Sem-II (Neww.e.f.Nov.2023)</u></b><br><b>(CBCS PATTERN JUNE-2023)</b><br><b>Time:10:00a.m.to 1:00p.m</b>                                                                          |
|-------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Monday<br>08/12/2025    | 102                      | Research Methodology& IPR©( MTCSE201)                                                                                                                                                                |
| Tuesday<br>09/12/2025   | 103                      | Internet of Things( MTCSE202)                                                                                                                                                                        |
| Wednesday<br>10/12/2025 | 104                      | Internet Routing Algorithm( MTCSE203)                                                                                                                                                                |
| Thursday<br>11/12/2025  | 105<br>106<br>107<br>108 | <b><u>Elective-II</u></b><br>1. Deep Learning ( MTCSE205)<br>2. Advanced Cloud Computing ( MTCSE206)<br>3.High Performance Computing ( MTCSE207)<br>4. Software Defined Network ( MTCSE208)          |
| Friday<br>12/12/2025    | 109<br>110<br>111<br>112 | <b><u>Elective-III</u></b><br>1. Wireless Sensor Network ( MTCSE209)<br>2.InfrastructureManagement( MTCSE210 )<br>3.RealTimeOperatingSystem( MTCSE211)<br>4. Advances in Database Systems( MTCSE212) |

| Day&Date             | Sr.<br>No.               | <u>S.Y.(M.Tech.)Sem-III (Neww.e.f.June.2019)</u><br>(CBCS PATTERN JUNE-2018)<br>Time:10:00a.m.to 1:00p.m                                                                                |
|----------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Monday<br>15/12/2025 | 113<br>114<br>115<br>116 | <b>Open Elective-</b><br>1) Business Analytics(7079308)<br>2) Operation Research(7079309)<br>3) Cost Management of Engineering Projects(7079310)<br>4) Non conventional Energy(7079311) |

| Day & Date                         | Sr. No.                         | <b><u>S.Y.(M.Tech.)Sem-III (Neww.e.f.June.2023)</u></b><br><b>(CBCS PATTERN JUNE-2023)</b><br><b>Time:10:00a.m.to 1:00p.m</b>                                                                                                    |
|------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Monday</b><br><b>15/12/2025</b> | 117<br>118<br>119<br>120<br>121 | <b>Open Elective-</b><br>1)Business Analytics(OE001A)<br>2)Operation Research( OE001B)<br>3)Cost Management of Engineering Projects( OE001C)<br>4)Non conventional Energy( OE001D)<br>5) Product Design and Development( OE001E) |

| Day&Date                           | Sr. No.                  | <b><u>S.Y.(M.Tech.)Sem-III (Neww.e.f.June.2019)</u></b><br><b>(CBCS PATTERN JUNE-2018)</b><br><b>Time:10:00a.m.to 1:00p.m</b>                                             |                                                                                                       |
|------------------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Monday</b><br><b>15/12/2025</b> | 122<br>123<br>124<br>125 | <b>Self-Learning</b><br>1) Big Data(7079304)<br>2) Computer Network Administration(7079305)<br>3) Open Source Technologies(7079306)<br>4) Usability Engineering(7079307)) | <b>Candidates note that Self Learning Examination will be conducted in their Parent(home) College</b> |

| Day&Date                           | Sr. No.                  | <b><u>S.Y.(M.Tech.)Sem-III (Neww.e.f.June.2023)</u></b><br><b>(CBCS PATTERN JUNE-2023)</b><br><b>Time:10:00a.m.to 1:00p.m</b>                                               |                                                                                                       |
|------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Monday</b><br><b>15/12/2025</b> | 126<br>127<br>128<br>129 | <b>Self-Learning</b><br>1)Big Data(MTCSE304)<br>2)Computer Network Administration( MTCSE305)<br>3)Open Source Technologies( MTCSE306)<br>4)Usability Engineering( MTCSE307) | <b>Candidates note that Self Learning Examination will be conducted in their Parent(home) College</b> |

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Date : 13/10/2025

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Director  
Board of Examinations and Evaluation