



PUNYASHLOKAHILYADEVIHOLKAR SOLAPUR UNIVERSITY, SOLAPUR

EXAM OF 2024 SEMESTER PATTERN EXAMINATION

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

OCT./NOV.--2024 EXAMINATION TO BE HELD IN JAN-2025

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

- 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.
- 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.
- All the Candidates are asked to follow the timely instructions given by University in accordance with the examinations methodology.
- 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.	<u>F.Y.(M.Tech.)Sem–I(Neww.e.f.June2023)</u> (CBCS PATTERN -2023) Time:10:00 a.m.to 2:00 p.m
Wednesday 01/01/2025	1	Advanced structural analysis (MTCE0101)
Friday 03/01/2025	2	Advanced solid Mechanics(MTCE0102)
Monday 06/01/2025	3	Dynamics& Earthquake Engineering(MTCE0103)
Wednesday 08/01/2025	4 5 6 7	Elective-I 1. Structural Audits (MTCE0106) 2. Design of Prestressed Concrete Structures(MTCE0107) 3. Advanced Design of Foundation(MTCE0108) 4. Structural Optimization (MTCE0109)
Saturday 11/01/2025	8	Research Methodology and IPR© (MTCE0104)

Day & Date	Sr. No.	<u>F.Y.(M.Tech.)Sem–II(Neww.e.f.Nov.2023)</u> (CBCS PATTERN JUNE-2023) Time:10:00a.m.to 2:00p.m
Wednesday 22/01/2025	9	FEM in Structural Engineering (MTCE0201)
Thursday 23/01/2025	10	Advanced Design of Concrete Structures(MTCE0202)
Friday 24/01/2025	11	Special Concrete & Concrete Composite(MTCE0203)
Saturday 25/01/2025	12 13 14 15	Elective-II 1. Theory of Plates and Shell (MTCE0206) 2. Design of Formwork(MTCE0207) 3. Repair and Rehabilitation of Structures(MTCE0208) 4. Design of Industrial Structures(MTCE0209)
Monday 27/01/2025	16 17 18 19	Elective-III 1. Theory of Structural Stability (MTCE0210) 2. Design of RCC Bridges(MTCE0211) 3. Advanced Steel Design(MTCE0212) 4. Soil Structure Interaction(MTCE0213)

Day&Date	Sr. No.	<u>F.Y. (M.Tech.) Sem – II (w.e.f. Nov. 2018)</u> <u>(CBCSPATTERNJUNE-2018)(OlduptoOCT.2024)</u> <u>Time:10:00a.m.to 2:00p.m</u>
Wednesday 22/01/2025	20	FEM in structural Engineering (70710201)
Thursday 23/01/2025	21	Theory of plates and shells (70710202)
Friday 24/01/2025	22	Seismic design of multistoried buildings(70710203)
Saturday 25/01/2025	23 24 25 26	Elective-II 1.Design of Prestressed Concrete Structures (70710206) 2.StructuralAudits(70710207) 3.ConcreteComposites(70710208) 4.DesignofIndustrialStructures(70710209)
Monday 27/01/2025	27 28 29 30	Elective-III 1.TheoryofStructuralStability(70710210) 2.Design of RCC Bridges(70710211) 3.AdvancedSteelDesign(70710212) 4.Soil Structure Interaction(70710213)

Day & Date	Sr. No.	<u>S.Y.(M.Tech.)Sem–III(New w.e.f.June.2023)</u> <u>(CBCS PATTERN JUNE-2023)</u> <u>Time:10:00a.m.to 1:00p.m</u>
Wednesday 01/01/2025	200 201 202 203 204	Open Elective- 1)Business Analytics (MTCE0305) 2)Operation Research (MTCE0306) 3)Cost Management of Engineering Projects(MTCE0307) 4)Nonconventional Energy (MTCE0308) 5) Product Design and Development(MTCE0309)

Day & Date	Sr. No.	<u>S.Y.(M.Tech.)Sem–III(w.e.f.June.2019)</u> <u>(CBCS PATTERN JUNE-2018) (Old up to OCT.2024)</u> <u>Time:10:00a.m.to 1:00p.m</u>
Wednesday 01/01/2025	31 32 33 34	Open Elective- 1)Business Analytics(70710305) 2) Operation Research (70710306) 3) Cost Management of Engineering Projects(70710307) 4) Nonconventional Energy(70710308)

[2] Mechanical–(Design Engineering)

Day&Date	Sr. No.	F.Y.(M.Tech.)Sem–I(Neww.e.f.June2023) (CBCS PATTERN -2023) Time:10:00a.m.to 1:00p.m
Wednesday 01/01/2025	35	Advanced stress analysis(MTDE101)
Friday 03/01/2025	36	Advanced Vibrations and Acoustics (MTDE102)
Monday 06/01/2025	37	Industrial Instrumentation(MTDE103)
Wednesday 08/01/2025	38 39 40 41	Elective-I 1.ComputationalTechniquesin Design Engineering (MTDE106) 2.ReliabilityEngineering (MTDE107) 3.MechanicalSystemDesign(MTDE108) 4.ComputerAidedDesign(MTDE109)
Saturday 11/01/2025	42	Research Methodology and IPR(MTDE104)

Day&Date	Sr. No.	F.Y.(M.Tech.)Sem–II(Neww.e.f.Nov.2023) (CBCS PATTERN JUNE-2023) Time:10:00a.m.to 1:00p.m
Wednesday 22/01/2025	43	Finite Element Method (MTDE201)
Thursday 23/01/2025	44	Advanced Design Engineering (MTDE202)
Friday 24/01/2025	45	Industrial Product Design (MTDE203)
Saturday 25/01/2025	46 47 48 49	Elective-II 1.TheoryandAnalysisofCompositeMaterials (MTDE205) 2.Engineering Design Optimization (MTDE206) 3.Industrial Tribology (MTDE207) 4. Advanced Engineering Materials(MTDE208)
Monday 27/01/2025	50 51 52 53	Elective-III 1. Engineering Fracture Mechanics (MTDE209) 2. Project Management (MTDE210) 3. Design for Manufacture and Assembly (MTDE211) 4. Analysis and Synthesis of Mechanisms and Machine (MTDE212)

Day&Date	Sr. No.	<u>F.Y. (M.Tech.) Sem – II (w.e.f. Nov. 2018)</u> <u>(CBCSPATTERNJUNE-2018)(OlduptoOCT.2024)</u> <u>Time:10:00a.m.to 1:00p.m</u>
Wednesday 22/01/2025	54	Finite Element Method(7072201)
Thursday 23/01/2025	55	Advanced Design Engineering(7072202)
Friday 24/01/2025	56	Industrial Product Design(7072203)
Saturday 25/01/2025	57 58 59 60	<u>Elective-II</u> 1.TheoryandAnalysisofCompositeMaterials(7072206) 2.Engineering Design Optimization (7072207)3.Industrial Tribology (7072208) 4. Advanced Engineering Materials(7072209)
Monday 27/01/2025	61 62 63 64	<u>Elective-III</u> 1. Engineering Fracture Mechanics(7072210) 2. Project Management(7072211) 3. Design for Manufacture and Assembly(7072212) 4. Analysis and Synthesis of Mechanisms and Machine (7072213)

Day & Date	Sr. No.	<u>S.Y.(M.Tech.)Sem–III(Neww.e.f.June.2023)</u> <u>(CBCS PATTERN JUNE-2023)</u> <u>Time:10:00a.m.to 1:00p.m</u>
Wednesday 01/01/2025	205 206 207 208 209	<u>Open Elective-</u> 1)Business Analytics (MTDE304) 2)Operation Research (MTDE305) 3)Cost Management of Engineering Projects (MTDE306) 4)Nonconventional Energy(MTDE307) 5) Product Design and Development (MTDE308)

Day&Date	Sr. No.	<u>S.Y.(M.Tech.)Sem–III(w.e.f.June.2019)</u> <u>(CBCS PATTERN JUNE-2018) (Old up to OCT.2024)</u> <u>Time:10:00a.m.to 1:00p.m</u>
Wednesday 01/01/2025	65 66 67 68	<u>Open Elective-</u> 1) Business Analytics(7072304) 2) Operation Research (7072305) 3) Cost Management of Engineering Projects(7072306) 4)Nonconventional Energy(7072307)

[3] Electronics Engineering

Day & Date	Sr. No.	F.Y.(M.Tech.)Sem-I(Neww.e.f.June2023) (CBCS PATTERN -2023) Time:10:00a.m.to 1:00p.m
Wednesday 01/01/2025	69	Digital Design and Verification(MTEL101)
Friday 03/01/2025	70	Advanced Digital Signal Processing(MTEL102)
Monday 06/01/2025	71	Voice and Data Networks(MTEL103)
Wednesday 08/01/2025	72	Machine Learning© (MTEL104)
Saturday 11/01/2025	73 74 75	Elective-I 1. Wireless Sensor Networks (MTEL106) 2. Analog &Digital CMOSVLSI Design(MTEL107) 3. Image and Video Processing(MTEL108)

Day & Date	Sr. No.	F.Y.(M.Tech.)Sem-II(Neww.e.f.Nov.2023) (CBCS PATTERN JUNE-2023) Time:10:00a.m.to 1:00p.m
Wednesday 22/01/2025	76	Research Methodology &IPR© (MTEL201)
Thursday 23/01/2025	77	Communication Buses &Interfaces (MTEL202)
Friday 24/01/2025	78	Advanced IOT (MTEL203)
Saturday 25/01/2025	79	PLC, SCADA and Distributed Control Systems (MTEL204)
Monday 27/01/2025	80 81 82 83	Elective-II 1. Mobile Technology (MTEL206) 2. Real Time Systems (MTEL207) 3. VLSI in Signal Processing (MTEL208) 4. Advanced Control Systems (MTEL209)

Day & Date	Sr. No.	F.Y. (M.Tech.) Sem – II (w.e.f. Nov. 2018) (CBCSPATTERNJUNE-2018)(OlduptoOCT.2024) Time:10:00a.m.to 1:00p.m
Wednesday 22/01/2025	84	Research Methodology& IPR©(7078201)
Thursday 23/01/2025	85	Communication Buses & Interfaces (7078202)
Friday 24/01/2025	86	Advanced IOT (7078203)
Saturday 25/01/2025	87	PLC,SCADA and Distributed Control Systems(7078204)
Monday 27/01/2025	88 89 90 91	Elective-II 1. Mobile Technology(7078206) 2. Real Time Systems (7078207) 3. VLSI in Signal Processing (7078208) 4. Advanced Control Systems (7078209)

Day&Date	Sr. No.	S.Y.(M.Tech.)Sem–III(w.e.f.June.2019) (CBCS PATTERN JUNE-2018) (Old up to OCT.2024) Time:10:00a.m.to 1:00p.m
Wednesday 01/01/2025	92 93 94 95	Open Elective- 1)Business Analytics(7078307) 2)Operation Research(7078308) 3)Cost Management of Engineering Projects(7078309) 4)Nonconventional Energy(7078310)

Day & Date	Sr. No.	S.Y.(M.Tech.)Sem–III(Neww.e.f.June.2023) (CBCS PATTERN JUNE-2023) Time:10:00a.m.to 1:00p.m
Wednesday 01/01/2025	210 211 212 213 214	Open Elective- 1)Business Analytics(OE001A) 2)Operation Research (OE001B) 3)Cost Management of Engineering Projects(OE001C) 4)Nonconventional Energy(OE001D) 5)Product Design and Development(OE001E)

[4] Electronics & Telecommunication Engineering

Day&Date	Sr. No.	F.Y.(M.Tech.)Sem-I(Neww.e.f.June2023) (CBCS PATTERN -2023) Time:10:00a.m.to 1:00p.m
Wednesday 01/01/2025	99	Research Methodology& IPR(MTETC101)
Friday 03/01/2025	100	Antenna Theory & Techniques (MTETC102)
Monday 06/01/2025	101	Advanced Embedded System(MTETC103)
Wednesday 08/01/2025	102 103	Elective-I 1.BiomedicalSignalProcessing (MTETC105) 2.Soft Computing Methods(MTETC106)
Saturday 11/01/2025	104 105	Elective –II Digital VLSI Design (MTETC107) Satellite Communication(MTETC108)

Day & Date	Sr. No.	F.Y.(M.Tech.)Sem-II(Neww.e.f.Nov.2023) (CBCS PATTERN JUNE-2023) Time:10:00a.m.to 1:00p.m
Wednesday 22/01/2025	106	Advanced Light Wave Communication (MTETC201)
Thursday 23/01/2025	107	RF& Microwave Engineering (MTETC202)
Friday 24/01/2025	108	Advanced IoT (MTETC203)
Saturday 25/01/2025	109 110	Elective-I 1. Wireless Communication System (MTETC205) 2. Information and Coding Theory (MTETC206)
Monday 27/01/2025	111 112	Elective- II 1. Cryptography and Network Security(MTETC207) 2. Automation and Industrial Robotics(MTETC208)

Day & Date	Sr. No.	F.Y. (M.Tech.) Sem – II (w.e.f. Nov. 2018) (CBCSPATTERNJUNE-2018)(Old upto OCT.2024) Time:10:00a.m.to 1:00p.m
Wednesday 22/01/2025	113	Advanced Internet of Things(7076201)
Thursday 23/01/2025	114	RF Circuit Design(7076202)
Friday 24/01/2025	115	Artificial Intelligence & Machine Learning (7076203)
Saturday 25/01/2025	116	Cryptography and Network Security (7076204)
Monday 27/01/2025	117 118 119	Elective-II 1.Communication System Design (7076206) 2.Multimedia Processing (7076207) 3.AutomationandIndustrialRobotics(7076208)

Day&Date	Sr. No.	S.Y.(M.Tech.)Sem–III(w.e.f.June.2019) (CBCS PATTERN JUNE-2018) (Old up to OCT.2024) Time:10:00a.m.to 1:00p.m
Wednesday 01/01/2025	120 121 122 123	Open Elective- 1) Business Analytics(7076307) 2) Operation Research(7076308) 3) Cost Management of Engineering Projects(7076309) 4) Nonconventional Energy(7076310)

Day&Date	Sr. No.	S.Y.(M.Tech.)Sem–III(Neww.e.f.June.2023) (CBCS PATTERN JUNE-2023) Time:10:00a.m.to 1:00p.m
Wednesday 01/01/2025	215 216 217 218 219	Open Elective- 1)Business Analytics(MTETC307) 2)Operation Research(MTETC308) 3)Cost Management of Engineering Projects(MTETC309) 4)Nonconventional Energy(MTETC310) 5) Product Design and Development (MTETC311)

Day & Date	Sr. No.	S.Y.(M.Tech.)Sem-III(Neww.e.f.June.2023) (CBCS PATTERN JUNE-2023) Time:10:00a.m.to 1:00p.m	
Thursday 02/01/2025	124 125 126	Self-Learning 1. Design Thinking (MTETC304) 2. Value Education & Professional Ethics(MTETC305) 3. Cyber Security and Information Assurance.(MTETC306)	Candidates note that Self Learning Examination will be conducted in their Parent(home) College

Day & Date	Sr. No.	S.Y.(M.Tech.)Sem-III(w.e.f.June.2019) (CBCS PATTERN JUNE-2018) (Old up to OCT.2024) Time:10:00a.m.to 1:00p.m	
Thursday 02/01/2024	96 97 98	Self-Learning 1) Network and Internet Security(7078304) 2) Programmable System on Chip(PSoC)(7078305) 3) Advanced Process Control(7078306)	Candidates note that Self Learning Examination will be conducted in their Parent(home) College

[5] Computer Science & Engineering

Day & Date	Sr. No.	F.Y.(M.Tech.)Sem-I(Neww.e.f.June2023) (CBCS PATTERN -2023) Time:10:00a.m.to 1:00p.m
Wednesday 01/01/2025	127	Applied Algorithms (MTCSE101)
Friday 03/01/2025	128	Theory of Computation(MTCSE102)
Monday 06/01/2025	129	Data Mining (MTCSE103)
Wednesday 08/01/2025	130	Machine Learning© (MTCSE104)
Saturday 11/01/2025	131 132 133 134	Elective-I 1. Natural Language Processing(MTCSE106) 2. Soft Computing(MTCSE107) 3. Computer Vision(MTCSE108) 4. Object Oriented Software Engineering(MTCSE109)

Day&Date	Sr. No.	F.Y.(M.Tech.)Sem-II(Neww.e.f.Nov.2023) (CBCS PATTERN JUNE-2023) Time:10:00a.m.to 1:00p.m
Wednesday 22/01/2025	135	Research Methodology& IPR©(MTCSE201)
Thursday 23/01/2025	136	Internet of Things(MTCSE202)
Friday 24/01/2025	137	Internet Routing Algorithm(MTCSE203)
Saturday 25/01/2025	138 139 140 141	Elective-II 1. Deep Learning (MTCSE205) 2. Advanced Cloud Computing (MTCSE206) 3.High Performance Computing (MTCSE207) 4. Software Defined Network (MTCSE208)
Monday 27/01/2025	142 143 144 145	Elective-III 1. Wireless Sensor Network (MTCSE209) 2.InfrastructureManagement(MTCSE210) 3.RealTimeOperatingSystem(MTCSE211) 4. Advances in Database Systems(MTCSE212)

Day&Date	Sr. No.	F.Y. (M.Tech.) Sem – II (w.e.f. Nov. 2018) (CBCSPATTERNJUNE-2018)(OlduptoOCT.2024) Time:10:00a.m.to 1:00p.m
Wednesday 22/01/2025	146	Research Methodology& IPR©(7079201)
Thursday 23/01/2025	147	Internet of Things (7079202)
Friday 24/01/2025	148	Internet Routing Algorithm(7079203)
Saturday 25/01/2025	149 150 151 152	Elective-II 1.ReinforcementLearning(7079205) 2.AdvancedCloud Computing(7079206) 3.HighPerformanceComputing(7079207) 4.SoftwareDefinedNetwork(7079208)
Monday 27/01/2025	153 154 155 156	Elective-III 1.Wireless Sensor Network (7079209) 2.InfrastructureManagement(7079210) 3.Real Time Operating System(7079211) 4.Advancesin Database Systems(7079212)

Day&Date	Sr. No.	S.Y.(M.Tech.)Sem-III(Neww.e.f.June.2019) (CBCS PATTERN JUNE-2018) Time:10:00a.m.to 1:00p.m
Wednesday 01/01/2025	157 158 159 160	Open Elective- 1) Business Analytics(7079308) 2) Operation Research(7079309) 3) Cost Management of Engineering Projects(7079310) 4) Non conventional Energy(7079311)

Day & Date	Sr. No.	S.Y.(M.Tech.)Sem-III(Neww.e.f.June.2023) (CBCS PATTERN JUNE-2023) Time:10:00a.m.to 1:00p.m
Wednesday 01/01/2025	220 221 222 223 224	Open Elective- 1)Business Analytics(OE001A) 2)Operation Research(OE001B) 3)Cost Management of Engineering Projects(OE001C) 4)Non conventional Energy(OE001D) 5) Product Design and Development(OE001E)

Day& Date	Sr. No.	S.Y.(M.Tech.)Sem-III(Neww.e.f.June.2019) (CBCS PATTERN JUNE-2018) Time:10:00a.m.to 1:00p.m	
Thursday 02/01/2025	161 162 163 164	Self-Learning 1) Big Data(7079304) 2) Computer Network Administration(7079305) 3) Open Source Technologies(7079306) 4) Usability Engineering(7079307)	Candidates note that Self Learning Examination will be conducted in their Parent(home) College

Day&Date	Sr. No.	S.Y.(M.Tech.)Sem-III(Neww.e.f.June.2023) (CBCS PATTERN JUNE-2023) Time:10:00a.m.to 1:00p.m	
Thursday 02/01/2025	225 226 227 228	Self-Learning 1)Big Data(MTCSE304) 2)Computer Network Administration(MTCSE305) 3)Open Source Technologies(MTCSE306) 4)Usability Engineering(MTCSE307)	Candidates note that Self Learning Examination will be conducted in their Parent(home) College

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Ref No.: PAHSUS/EXAM/TIME-TABLE/2024/2448

Date : 18/12/2024

Sd/-
Director
Board of Examinations and Evaluation