



PUNYASHLOKAHILYADEVIHOLKAR SOLAPUR UNIVERSITY, SOLAPUR

EXAM OF 2024 SEMESTER PATTERN EXAMINATION

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

BRANCHES OCT./NOV.--2024 EXAMINATION TO BE HELD IN NOV-2024

[1] CIVIL STRUCTURAL ENGINEERING

[2] MECHANICAL DESIGN
ENGINEERING

[3] ELECTRONICS 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 minute 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.	F.Y.(M.Tech.)Sem–I(Neww.e.f.June2023) (CBCS PATTERN -2023) Time:10:00 a.m.to 2:00 p.m
Saturday 28/12/2024	1	Advanced structural analysis (MTCE0101)
Tuesday 31/12/2024	2	Advanced solid Mechanics(MTCE0102)
Thursday 02/01/2025	3	Dynamics& Earthquake Engineering(MTCE0103)
Saturday 04/01/2025	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)
Tuesday 07/01/2025	8	Research Methodology and IPR© (MTCE0104)

Day & Date	Sr. No.	F.Y.(M.Tech.)Sem–II(Neww.e.f.Nov.2023) (CBCS PATTERN JUNE-2023) Time:10:00a.m.to 2:00p.m
Wednesday 27/11/2024	9	FEM in Structural Engineering (MTCE0201)
Thursday 28/11/2024	10	Advanced Design of Concrete Structures(MTCE0202)
Friday 29/11/2024	11	Special Concrete & Concrete Composite (MTCE0203)
Saturday 30/11/2024	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 02/12/2024	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.	F.Y. (M.Tech.) Sem – II (w.e.f. Nov. 2018) (CBCSPATTERNJUNE-2018)(OlduptoOCT.2024) Time:10:00a.m.to 2:00p.m
Wednesday 27/11/2024	20	FEM in structural Engineering (70710201)
Thursday 28/11/2024	21	Theory of plates and shells (70710202)
Friday 29/11/2024	22	Seismic design of multistoried buildings(70710203)
Saturday 30/11/2024	23 24 25 26	Elective-II 1. Design of Prestressed Concrete Structures (70710206) 2. StructuralAudits(70710207) 3. ConcreteComposites(70710208) 4. DesignofIndustrialStructures(70710209)
Monday 02/12/2024	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.	S.Y.(M.Tech.)Sem–III(Neww.e.f.June.2019) (CBCS PATTERN JUNE-2018) Time:10:00a.m.to 1:00p.m
Thursday 05/12/2024	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
Saturday 28/12/2024	35	Advanced stress analysis(MTDE101)
Tuesday 31/12/2024	36	Advanced Vibrations and Acoustics (MTDE102)
Thursday 02/01/2025	37	Industrial Instrumentation(MTDE103)
Saturday 04/01/2025	38 39 40 41	Elective-I 1.ComputationalTechniquesin Design Engineering (MTDE106) 2.ReliabilityEngineering (MTDE107) 3.MechanicalSystemDesign(MTDE108) 4.ComputerAidedDesign(MTDE109)
Tuesday 07/01/2025	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 27/11/2024	43	Finite Element Method (MTDE201)
Thursday 28/11/2024	44	Advanced Design Engineering(MTDE202)
Friday 29/11/2024	45	Industrial Product Design (MTDE203)
Saturday 30/11/2024	46 47 48 49	Elective-II 1.TheoryandAnalysisofCompositeMaterials (MTDE205) 2.Engineering Design Optimization (MTDE206) 3.Industrial Tribology (MTDE207) 4. Advanced Engineering Materials(MTDE208)
Monday 02/12/2024	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.	F.Y. (M.Tech.) Sem – II (w.e.f. Nov. 2018) (CBCSPATTERNJUNE-2018)(OlduptoOCT.2024) Time:10:00a.m.to 1:00p.m
Wednesday 27/11/2024	54	Finite Element Method(7072201)
Thursday 28/11/2024	55	Advanced Design Engineering(7072202)
Friday 29/11/2024	56	Industrial Product Design(7072203)
Saturday 30/11/2024	57 58 59 60	Elective-II 1.TheoryandAnalysisofCompositeMaterials(7072206) 2.Engineering Design Optimization (7072207)3.Industrial Tribology (7072208) 4. Advanced Engineering Materials(7072209)
Monday 02/12/2024	61 62 63 64	Elective-III 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.	S.Y.(M.Tech.)Sem-III(Neww.e.f.June.2019) (CBCS PATTERN JUNE-2018) Time:10:00a.m.to 1:00p.m
Thursday 05/12/2024	65 66 67 68	Open Elective- 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
Saturday 28/12/2024	69	Digital Design and Verification(MTEL101)
Tuesday 31/12/2024	70	Advanced Digital Signal Processing(MTEL102)
Thursday 02/01/2025	71	Voice and Data Networks(MTEL103)
Saturday 04/01/2025	72	Machine Learning© (MTEL104)
Tuesday 07/01/2025	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 27/11/2024	76	Research Methodology &IPR© (MTEL201)
Thursday 28/11/2024	77	Communication Buses &Interfaces (MTEL202)
Friday 29/11/2024	78	Advanced IOT (MTEL203)
Saturday 30/11/2024	79	PLC, SCADA and Distributed Control Systems (MTEL204)
Monday 02/12/2024	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 27/11/2024	84	Research Methodology& IPR©(7078201)
Thursday 28/11/2024	85	Communication Buses & Interfaces (7078202)
Friday 29/11/2024	86	Advanced IOT (7078203)
Saturday 30/11/2024	87	PLC,SCADA and Distributed Control Systems(7078204)
Monday 02/12/2024	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(Neww.e.f.June.2019) (CBCS PATTERN JUNE-2018) Time:10:00a.m.to 1:00p.m
Thursday 05/12/2024	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)

[4] Electronics & Telecommunication Engineering

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 05/12/2024	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

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	
Saturday 28/12/2024	99	Research Methodology& IPR(MTETC101)	
Tuesday 31/12/2024	100	Antenna Theory & Techniques (MTETC102)	
Thursday 02/01/2025	101	Advanced Embedded System(MTETC103)	
Saturday 04/01/2025	102 103	Elective-I 1.BiomedicalSignalProcessing (MTETC105) 2.Soft Computing Methods(MTETC106)	
Tuesday 07/01/2025	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 27/11/2024	106	Advanced Light Wave Communication (MTETC201)	
Thursday 28/11/2024	107	RF& Microwave Engineering (MTETC202)	
Friday 29/11/2024	108	Advanced IoT (MTETC203)	
Saturday 30/11/2024	109 110	Elective-I 1. Wireless Communication System (MTETC205) 2. Information and Coding Theory (MTETC206)	
Monday 02/12/2024	111 112	Elective- II 1. Cryptography and Network Security (MTETC207) 2. Automation and Industrial Robotics (MTETC208)	

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 27/11/2024	113	Advanced Internet of Things(7076201)
Thursday 28/11/2024	114	RF Circuit Design(7076202)
Friday 29/11/2024	115	Artificial Intelligence & Machine Learning (7076203)
Saturday 30/11/2024	116	Cryptography and Network Security (7076204)
Monday 02/12/2024	117 118 119	<u>Elective-II</u> 1.Communication System Design (7076206) 2.Multimedia Processing (7076207) 3.AutomationandIndustrialRobotics(7076208)

Day&Date	Sr. No.	<u>S.Y.(M.Tech.)Sem-III(Neww.e.f.June.2019)</u> <u>(CBCS PATTERN JUNE-2018)</u> <u>Time:10:00a.m.to 1:00p.m</u>
Thursday 05/12/2024	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.	<u>S.Y.(M.Tech.)Sem-III(Neww.e.f.June.2019)</u> <u>(CBCS PATTERN JUNE-2018)</u> <u>Time:10:00a.m.to 1:00p.m</u>	
Friday 06/12/2024	124 125 126	Self Learning 1) Remote Sensing(7076305) 2) Programmable Systemon Chip(PSoC)(7076304) 3) Multimedia Network(7076306)	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
Saturday 28/12/2024	127	Applied Algorithms (MTCSE101)
Tuesday 31/12/2024	128	Theory of Computation(MTCSE102)
Thursday 02/01/2025	129	Data Mining (MTCSE103)
Saturday 04/01/2025	130	Machine Learning© (MTCSE104)
Tuesday 07/01/2025	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 27/11/2024	135	Research Methodology& IPR© (MTCSE201)
Thursday 28/11/2024	136	Internet of Things (MTCSE202)
Friday 29/11/2024	137	Internet Routing Algorithm (MTCSE203)
Saturday 30/11/2024	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 02/12/2024	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.	<u>F.Y. (M.Tech.) Sem – II (w.e.f. Nov. 2018)</u> (CBCSPATTERNJUNE-2018)(OlduptoOCT.2024) Time:10:00a.m.to 1:00p.m
Wednesday 27/11/2024	146	Research Methodology& IPR©(7079201)
Thursday 28/11/2024	147	Internet of Things (7079202)
Friday 29/11/2024	148	Internet Routing Algorithm(7079203)
Saturday 30/11/2024	149 150 151 152	<u>Elective-II</u> 1.ReinforcementLearning(7079205) 2.AdvancedCloud Computing(7079206) 3.HighPerformanceComputing(7079207) 4.SoftwareDefinedNetwork(7079208)
Monday 02/12/2024	153 154 155 156	<u>Elective-III</u> 1.Wireless Sensor Network (7079209) 2.InfrastructureManagement(7079210) 3.Real Time Operating System(7079211) 4.Advancesin Database Systems(7079212)

Day&Date	Sr. No.	<u>S.Y.(M.Tech.)Sem–III(Neww.e.f.June.2019)</u> (CBCS PATTERN JUNE-2018) Time:10:00a.m.to 1:00p.m
Thursday 05/12/2024	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.	<u>S.Y.(M.Tech.)Sem-III(New w.e.f.June.2019)</u> (CBCS PATTERN JUNE-2018) Time:10:00a.m.to 1:00p.m	
Friday 06/12/2024	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

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Ref No.: PAHSUS/EXAM/TIME-TABLE/2024/2172

Date : 08/11/2024

Sd/-
Director
 Board of Examinations and Evaluation