



PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

EXAM OF 2024 SEMESTER PATTERN EXAMINATION

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

MAR-2024 EXAMINATION TO BE HELD IN MAY-2024

- [1] CIVIL STRUCTURAL ENGINEERING [2] MECHANICAL DESIGN [3] ELECTRONICS ENGINEERING
ENGINEERING
- [4] ELECTRONICS & TELE-COMM. [5] COMPUTER SCIENCE & ENGG
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.	F.Y. (M.Tech.) Sem – I (New w.e.f. June 2023) (CBCS PATTERN -2023) Time: 9:00 a.m. to 1:00 p.m
Monday 13/05/2024	1	Advanced structural analysis (MTCE0101)
Wednesday 15/05/2024	2	Advanced solid Mechanics (MTCE0102)
Saturday 25/05/2024	3	Dynamics & Earthquake Engineering (MTCE0103)
Monday 27/05/2024	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)
Wednesday 29/05/2024	8	Research Methodology and IPR© (MTCE0104)

Day & Date	Sr. No.	F.Y. (M.Tech.) Sem – I (w.e.f. June 2018) (CBCS PATTERN JUNE-2018) (Old up to MAR-2024) Time: 9:00 a.m. to 1:00 p.m
Monday 13/05/2024	9	Advanced structural analysis (70710101)
Wednesday 15/05/2024	10	Advanced solid Mechanics (70710102)
Saturday 25/05/2024	11	Structural dynamics (70710103)
Monday 27/05/2024	12	Research Methodology and IPR© (70710104)
Wednesday 29/05/2024	13 14 15 16	Elective - I 1. Advanced Design of Concrete Structures (70710106) 2. Design of Formwork (70710107) 3. Advanced Design of Foundation (70710108) 4. Structural Optimization (70710109)

Day & Date	Sr. No.	F.Y. (M.Tech.) Sem – II (New w.e.f. Nov. 2023) (CBCS PATTERN JUNE-2023) Time: 2:00 p.m. to 6:00 p.m
Tuesday 21/05/2024	17	FEM in Structural Engineering ()
Saturday 25/05/2024	18	Advanced Design of Concrete Structures ()
Monday 27/05/2024	19	Special Concrete & Concrete Composite ()
Wednesday 29/05/2024	20 21 22 23	Elective - II 1. Theory of Plates and Shell 2. Design of Formwork () 3. Repair and Rehabilitation of Structures () 4. Design of Industrial Structures ()
Friday 31/05/2024	24 25 26 27	Elective - III 1. Theory of Structural Stability () 2. Design of RCC Bridges () 3. Advanced Steel Design () 4. Soil Structure Interaction ()

Day & Date	Sr. No.	F.Y. (M.Tech.) Sem – II (w.e.f. Nov. 2018) (CBCS PATTERN JUNE-2018) (Old up to OCT.2024) Time: 2:00 p.m. to 6:00 p.m
Tuesday 21/05/2024	28	FEM in structural Engineering (70710201)
Saturday 25/05/2024	29	Theory of plates and shells (70710202)
Monday 27/05/2024	30	Seismic design of multistoried buildings (70710203)
Wednesday 29/05/2024	31 32 33 34	Elective - II 1.Design of Prestressed Concrete Structures (70710206) 2.Structural Audits (70710207) 3.Concrete Composites (70710208) 4. Design of Industrial Structures (70710209)
Friday 31/05/2024	35 36 37 38	Elective - III 1.Theory of Structural Stability (70710210) 2.Design of RCC Bridges (70710211) 3.Advanced Steel Design (70710212) 4. Soil Structure Interaction (70710213)

Day & Date	Sr. No.	S.Y. (M.Tech.) Sem – III (New w.e.f. June. 2019) (CBCS PATTERN JUNE-2018) Time: 3:00 p.m. to 6:00 p.m
Saturday 01/06/2024	39 40 41 42	Open Elective- 1) Business Analytics (70710305) 2) Operation Research (70710306) 3) Cost Management of Engineering Projects (70710307) 4) Non conventional Energy (70710308)

[2] Mechanical – (Design Engineering)

Day & Date	Sr. No.	F.Y. (M.Tech.) Sem – I (New w.e.f. June 2023) (CBCS PATTERN -2023) Time: 09:00 a.m. to 12:00 p.m
Monday 13/05/2024	43	Advanced stress analysis (MTDE101)
Wednesday 15/05/2024	44	Advanced Vibrations and Acoustics (MTDE102)
Saturday 25/05/2024	45	Industrial Instrumentation (MTDE103)
Monday 27/05/2024	46 47 48 49	Elective - I 1. Computational Techniques in Design Engineering (MTDE106) 2. Reliability Engineering (MTDE107) 3. Mechanical System Design (MTDE108) 4. Computer Aided Design (MTDE109)
Wednesday 29/05/2024	50	Research Methodology and IPR (MTDE104)

Day & Date	Sr. No.	F.Y. (M.Tech.) Sem – I (w.e.f. June 2018) (CBCS PATTERN JUNE-2018) (Old up to MAR.2024) Time: 09:00 a.m. to 12:00 p.m
Monday 13/05/2024	51	Advanced stress analysis (7072101)
Wednesday 15/05/2024	52	Advanced Vibrations and Acoustics (7072102)
Saturday 25/05/2024	53	Industrial Instrumentation (7072103)
Monday 27/05/2024	54	Research Methodology and IPR© (7072104)
Wednesday 29/05/2024	55 56 57 58	Elective - I 1. Computational Techniques in Design Engineering (7072106) 2. Reliability Engineering (7072107) 3. Mechanical System Design (7072108) 4. Computer Aided Design (7072109)

Day & Date	Sr. No.	F.Y. (M.Tech.) Sem – II (Neww.e.f. Nov. 2023) (CBCS PATTERN JUNE-2023) Time: 2:00 p.m. to 5:00 p.m
Tuesday 21/05/2024	59	Finite Element Method (
Saturday 25/05/2024	60	Advanced Design Engineering (
Monday 27/05/2024	61	Industrial Product Design ()
Wednesday 29/05/2024	62 63 64 65	<u>Elective - II</u> 1.Theory and Analysis of Composite Materials () 2.Engineering Design Optimization () 3.Industrial Tribology () 4. Advanced Engineering Materials ()
Friday 31/05/2024	66 67 68 69	<u>Elective - III</u> 1.Engineering Fracture Mechanics () 2.Project Management () 3.Design for Manufacture and Assembly () 4. Analysis and Synthesis of Mechanisms and Machine ()

Day & Date	Sr. No.	F.Y. (M.Tech.) Sem – II (w.e.f. Nov. 2018) (CBCS PATTERN JUNE-2018) (Old up to OCT.2024) Time: 2:00 p.m. to 5:00 p.m
Tuesday 21/05/2024	70	Finite Element Method (7072201)
Saturday 25/05/2024	71	Advanced Design Engineering (7072202)
Monday 27/05/2024	72	Industrial Product Design (7072203)
Wednesday 29/05/2024	73 74 75 76	<u>Elective - II</u> 1.Theory and Analysis of Composite Materials (7072206) 2.Engineering Design Optimization (7072207) 3.Industrial Tribology (7072208) 4. Advanced Engineering Materials (7072209)
Friday 31/05/2024	77 78 79 80	<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.	S.Y. (M.Tech.) Sem – III (New w.e.f. June. 2019) (CBCS PATTERN JUNE-2018) Time: 3:00 p.m. to 6:00 p.m
Saturday 01/06/2024	81 82 83 84	Open Elective- 1) Business Analytics (7072304) 2) Operation Research (7072305) 3) Cost Management of Engineering Projects (7072306) 4) Non conventional Energy (7072307)

[3] Electronics Engineering

Day & Date	Sr. No.	F.Y. (M.Tech.) Sem – I (New w.e.f. June 2023) (CBCS PATTERN -2023) Time: 09:00 a.m. to 12:00 p.m
Monday 13/05/2024	85	Digital Design and Verification (MTEL101)
Wednesday 15/05/2024	86	Advanced Digital Signal Processing (MTEL102)
Saturday 25/05/2024	87	Voice and Data Networks (MTEL103)
Monday 27/05/2024	88	Machine Learning© (MTEL104)
Wednesday 29/05/2024	89 90 91	Elective - I 1.Wireless Sensor Networks (MTEL106) 2.Analog & Digital CMOS VLSI Design (MTEL107) 3.Image and Video Processing (MTEL108)

Day & Date	Sr. No.	F.Y. (M.Tech.) Sem – I (Neww.e.f. June 2018) (CBCS PATTERN JUNE-2018) (Old up to MAR-2024) Time: 09:00 a.m. to 12:00 p.m
Monday 13/05/2024	92	Digital Design and Verification (7078101)
Wednesday 15/05/2024	93	Advanced Digital Signal Processing (7078102)
Saturday 25/05/2024	94	Voice and Data Networks (7078103)
Monday 27/05/2024	95	Machine Learning© (7078104)
Wednesday 29/05/2024	96 97 98 99	Elective - I 1.Wireless Sensor Networks (7078106) 2.Analog & Digital CMOS VLSI Design (7078107) 3.Image and Video Processing (7078108) 4. Neural Networks & Fuzzy Control Systems (7078109)

Day & Date	Sr. No.	F.Y. (M.Tech.) Sem – II (Neww.e.f. Nov. 2023) (CBCS PATTERN JUNE-2023) Time: 2:00 p.m. to 5:00 p.m
Tuesday 21/05/2024	100	Research Methodology & IPR© ()
Saturday 25/05/2024	101	Communication Buses & Interfaces ()
Monday 27/05/2024	102	Advanced IOT ()
Wednesday 29/05/2024	103	PLC, SCADA and Distributed Control Systems ()
Friday 31/05/2024	104 105 106 107	Elective - II 1.Mobile Technology () 2.Real Time Systems (7078207) 3.VLSI in Signal Processing (7078208) 4. Advanced Control Systems (7078209)

Day & Date	Sr. No.	F.Y. (M.Tech.) Sem – II (w.e.f. Nov. 2018) (CBCS PATTERN JUNE-2018) (Old up to OCT.2024) Time: 2:00 p.m. to 5:00 p.m
Tuesday 21/05/2024	108	Research Methodology & IPR© (7078201)
Saturday 25/05/2024	109	Communication Buses & Interfaces (7078202)
Monday 27/05/2024	110	Advanced IOT (7078203)
Wednesday 29/05/2024	111	PLC, SCADA and Distributed Control Systems (7078204)
Friday 31/05/2024	112 113 114 115	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 (New w.e.f. June. 2019) (CBCS PATTERN JUNE-2018) Time: 3:00 p.m. to 6:00 p.m
Saturday 01/06/2024	116 117 118 119	Open Elective- 1) Business Analytics (7078307) 2) Operation Research (7078308) 3) Cost Management of Engineering Projects (7078309) 4) Non conventional Energy (7078310)

[4] Electronics & Telecommunication Engineering

Day & Date	Sr. No.	S.Y. (M.Tech.) Sem – III (New w.e.f. June. 2019) (CBCS PATTERN JUNE-2018) Time: 3:00 p.m. to 6:00 p.m	
Monday 03/06/2024	120 121 122	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 (New w.e.f. June 2023) (CBCS PATTERN -2023) Time: 09:00 a.m. to 12:00 p.m	
Monday 13/05/2024	123	Research Methodology & IPR (MTETC101)	
Wednesday 15/05/2024	124	Antenna Theory & Techniques (MTETC102)	
Saturday 25/05/2024	125	Advanced Embedded System (MTETC103)	
Monday 27/05/2024	126 127	Elective - I 1. Biomedical Signal Processing (MTETC105) 2. Soft Computing Methods (MTETC106)	
Wednesday 29/05/2024	128 129	Elective – II Digital VLSI Design (MTETC107) Satellite Communication (MTETC108)	

Day & Date	Sr. No.	F.Y. (M.Tech.) Sem – I (New w.e.f. June 2018) (CBCS PATTERN JUNE-2018) (Old up to MAR-2024) Time: 09:00 a.m. to 12:00 p.m	
Monday 13/05/2024	130	Research Methodology & IPR (7076101)	
Wednesday 15/05/2024	131	Antenna Design and Application (7076102)	
Saturday 25/05/2024	132	Soft Computing Methods (7076103)	
Monday 27/05/2024	133	Advanced Network System (7076104)	
Wednesday 29/05/2024	134 135 136	Elective - I 1. Biomedical Signal Processing (7076106) 2. Advanced Embedded System (7076107) 3. Automotive Electronics (7076108)	

Day & Date	Sr. No.	<u>F.Y. (M.Tech.) Sem – II (New w.e.f. Nov. 2018)</u> (CBCS PATTERN JUNE-2018) Time: 2:00 p.m. to 5:00 p.m
Tuesday 21/05/2024	137	Advanced Light Wave Communication
Saturday 25/05/2024	138	RF & Microwave Engineering
Monday 27/05/2024	139	Advanced IoT
Wednesday 29/05/2024	140 141	<u>Elective - II</u> 1. Cryptography and Network Security () 2. Automation and Industrial Robotics ()

Day & Date	Sr. No.	<u>F.Y. (M.Tech.) Sem – II (w.e.f. Nov. 2018)</u> (CBCS PATTERN JUNE-2018) (Old up to OCT.2024) Time: 2:00 p.m. to 5:00 p.m
Tuesday 21/05/2024	142	Advanced Internet of Things (7076201)
Saturday 25/05/2024	143	RF Circuit Design (7076202)
Monday 27/05/2024	144	Artificial Intelligence & Machine Learning (7076203)
Wednesday 29/05/2024	145	Cryptography and Network Security (7076204)
Friday 31/05/2024	146 147 148	<u>Elective - II</u> 1.Communication System Design (7076206) 2.Multimedia Processing (7076207) 3.Automation and Industrial Robotics (7076208)

Day & Date	Sr. No.	<u>S.Y. (M.Tech.) Sem – III (New w.e.f. June. 2019)</u> (CBCS PATTERN JUNE-2018) Time: 03:00 p.m. to 06:00 p.m
Saturday 01/06/2024	149 150 151 152	Open Elective- 1) Business Analytics (7076307) 2) Operation Research (7076308) 3) Cost Management of Engineering Projects (7076309) 4) Non conventional Energy (7076310)

Day & Date	Sr. No.	S.Y. (M.Tech.) Sem – III (New w.e.f. June. 2019) (CBCS PATTERN JUNE-2018) Time: 03:00 p.m. to 06:00 p.m	
Monday 03/06/2024	117 118 119	Self Learning 1) Remote Sensing (7076305) 2) Programmable System on 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 (New w.e.f. June 2023) (CBCS PATTERN -2023) Time: 09:00 a.m. to 12:00 p.m	
Monday 13/05/2024	120	Applied Algorithms (MTCSE101)	
Wednesday 15/05/2024	121	Theory of Computation (MTCSE102)	
Saturday 25/05/2024	122	Data Mining (MTCSE103)	
Monday 27/05/2024	123	Machine Learning© (MTCSE104)	
Wednesday 29/05/2024	124 125 126 127	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 – I (w.e.f. June 2018) (CBCS PATTERN JUNE-2018) (Old up to MAR-2024) Time: 09:00 a.m. to 12:00 p.m	
Monday 13/05/2024	128	Applied Algorithms (7079101)	
Wednesday 15/05/2024	129	Theory of Computation (7079102)	
Saturday 25/05/2024	130	Data Mining (7079103)	
Monday 27/05/2024	131	Machine Learning© (7079104)	
Wednesday 29/05/2024	132 133 134 135	Elective - I 1.Natural Language Processing (7079106) 2.Soft Computing (7079107) 3.Computer Vision (7079108) 4. Object Oriented Software Engineering (7079109)	

Day & Date	Sr. No.	F.Y. (M.Tech.) Sem – II (New w.e.f. Nov. 2023) (CBCS PATTERN JUNE-2023) Time: 2:00 p.m. to 5:00 p.m
Tuesday 21/05/2024	136	Research Methodology & IPR© ()
Saturday 25/05/2024	137	Internet of Things ()
Monday 27/05/2024	138	Internet Routing Algorithm ()
Wednesday 29/05/2024	139 140 141 142	<u>Elective - II</u> 1. Deep Learning () 2. Advanced Cloud Computing () 3.High Performance Computing () 4. Software Defined Network ()
Friday 31/05/2024	143 144 145 146	<u>Elective - III</u> 1.Wireless Sensor Network () 2.Infrastructure Management () 3.Real Time Operating System () 4. Advances in Database Systems ()

Day & Date	Sr. No.	F.Y. (M.Tech.) Sem – II (w.e.f. Nov. 2018) (CBCS PATTERN JUNE-2018) (Old up to OCT.2024) Time: 2:00 p.m. to 5:00 p.m
Tuesday 21/05/2024	147	Research Methodology & IPR© (7079201)
Saturday 25/05/2024	148	Internet of Things (7079202)
Monday 27/05/2024	149	Internet Routing Algorithm (7079203)
Wednesday 29/05/2024	150 151 152 153	<u>Elective - II</u> 1.Reinforcement Learning (7079205) 2.Advanced Cloud Computing (7079206) 3.High Performance Computing (7079207) 4. Software Defined Network (7079208)
Friday 31/05/2024	154 155 156 157	<u>Elective - III</u> 1.Wireless Sensor Network (7079209) 2.Infrastructure Management (7079210) 3.Real Time Operating System (7079211) 4. Advances in Database Systems (7079212)

Day & Date	Sr. No.	S.Y. (M.Tech.) Sem – III (New w.e.f. June. 2019) (CBCS PATTERN JUNE-2018) Time: 03:00 p.m. to 06:00 p.m	
Saturday 01/06/2024	158 159 160 161	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 (New w.e.f. June. 2019) (CBCS PATTERN JUNE-2018) Time: 03:00 p.m. to 06:00 p.m	
Monday 03/06/2024	162 163 164 165	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/2024/951

Date : 20/04/2024

Sd/-
Director
Board of Examinations and Evaluation