



PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

EXAM OF 2023 SEMESTER PATTERN EXAMINATION

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

OCT.-2023 EXAMINATION TO BE HELD IN DEC-2023

- [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
Wednesday 03/01/2024	1	Advanced structural analysis (MTCE0101)
Friday 05/01/2024	2	Advanced solid Mechanics (MTCE0102)
Sunday 07/01/2024	3	Dynamics & Earthquake Engineering (MTCE0103)
Tuesday 09/01/2024	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)
Thursday 11/01/2024	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
Wednesday 03/01/2024	10	Advanced structural analysis (70710101)
Friday 05/01/2024	11	Advanced solid Mechanics (70710102)
Sunday 07/01/2024	12	Structural dynamics (70710103)
Tuesday 09/01/2024	13	Research Methodology and IPR© (70710104)
Thursday 11/01/2024	14 15 16 17	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. 2018) (CBCS PATTERN JUNE-2018) Time: 2:00 p.m. to 6:00 p.m
Thursday 04/01/2024	18	FEM in structural Engineering (70710201)
Saturday 06/01/2024	19	Theory of plates and shells (70710202)
Monday 08/01/2024	20	Seismic design of multistoried buildings (70710203)
Wednesday 10/01/2024	21 22 23 24	Elective - II 1.Design of Prestressed Concrete Structures (70710206) 2.Structural Audits (70710207) 3.Concrete Composites (70710208) 4. Design of Industrial Structures (70710209)
Friday 12/01/2024	25 26 27 28	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
Tuesday 26/12/2023	29 30 31 32	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
Wednesday 03/01/2024	33	Advanced stress analysis (MTDE101)
Friday 05/01/2024	34	Advanced Vibrations and Acoustics (MTDE102)
Sunday 07/01/2024	35	Industrial Instrumentation (MTDE103)
Tuesday 09/01/2024	36 37 38 39	Elective - I 1.Computational Techniques in Design Engineering (MTDE106) 2.Reliability Engineering (MTDE107) 3.Mechanical System Design (MTDE108) 4. Computer Aided Design (MTDE109)
Thursday 11/01/2024	40	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
Wednesday 03/01/2024	41	Advanced stress analysis (7072101)
Friday 05/01/2024	42	Advanced Vibrations and Acoustics (7072102)
Sunday 07/01/2024	43	Industrial Instrumentation (7072103)
Tuesday 09/01/2024	44	Research Methodology and IPR© (7072104)
Thursday 11/01/2024	45	<u>Elective - I</u> 1.Computational Techniques in Design Engineering (7072106) 2.Reliability Engineering (7072107) 3.Mechanical System Design (7072108) 4. Computer Aided Design (7072109)
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Day & Date	Sr. No.	F.Y. (M.Tech.) Sem – II (Neww.e.f. Nov. 2018) (CBCS PATTERN JUNE-2018) Time: 2:00 p.m. to 5:00 p.m
Thursday 04/01/2024	49	Finite Element Method (7072201)
Saturday 06/01/2024	50	Advanced Design Engineering (7072202)
Monday 08/01/2024	51	Industrial Product Design (7072203)
Wednesday 10/01/2024	52	<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)
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Friday 12/01/2024	56	<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)
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Day & Date	Sr. No.	<u>S.Y. (M.Tech.) Sem – III (New w.e.f. June. 2019)</u> (CBCS PATTERN JUNE-2018) Time: 3:00 p.m. to 6:00 p.m
Tuesday 26/12/2023	60 61 62 63	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.	<u>F.Y. (M.Tech.) Sem – I (New w.e.f. June 2023)</u> (CBCS PATTERN -2023) Time: 09:00 a.m. to 12:00 p.m
Wednesday 03/01/2024	64	Digital Design and Verification (MTEL101)
Friday 05/01/2024	65	Advanced Digital Signal Processing (MTEL102)
Sunday 07/01/2024	66	Voice and Data Networks (MTEL103)
Tuesday 09/01/2024	67	Machine Learning© (MTEL104)
Thursday 11/01/2024	68 69 70	<u>Elective - I</u> 1. Wireless Sensor Networks (MTEL106) 2. Analog & Digital CMOS VLSI Design (MTEL107) 3. Image and Video Processing (MTEL108)

Day & Date	Sr. No.	<u>F.Y. (M.Tech.) Sem – I (Neww.e.f. June 2018)</u> (CBCS PATTERN JUNE-2018) (Old up to MAR-2024) Time: 09:00 a.m. to 12:00 p.m
Wednesday 03/01/2024	71	Digital Design and Verification (7078101)
Friday 05/01/2024	72	Advanced Digital Signal Processing (7078102)
Sunday 07/01/2024	73	Voice and Data Networks (7078103)
Tuesday 09/01/2024	74	Machine Learning© (7078104)
Thursday 11/01/2024	75 76 77 78	<u>Elective - I</u> 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.	<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
Thursday 04/01/2024	79	Research Methodology & IPR© (7078201)
Saturday 06/01/2024	80	Communication Buses & Interfaces (7078202)
Monday 08/01/2024	81	Advanced IOT (7078203)
Wednesday 10/01/2024	82	PLC, SCADA and Distributed Control Systems (7078204)
Friday 12/01/2024	83 84 85 86	<u>Elective - II</u> 1. Mobile Technology (7078206) 2. Real Time Systems (7078207) 3. VLSI in Signal Processing (7078208) 4. Advanced Control Systems (7078209)

Day & Date	Sr. No.	<u>S.Y. (M.Tech.) Sem – III (New w.e.f. June. 2019)</u> (CBCS PATTERN JUNE-2018) Time: 3:00 p.m. to 6:00 p.m
Tuesday 26/12/2023	87 88 89 90	Open Elective- 1) Business Analytics (7078307) 2) Operation Research (7078308) 3) Cost Management of Engineering Projects (7078309) 4) Non conventional Energy (7078310)

Day & Date	Sr. No.	<u>S.Y. (M.Tech.) Sem – III (New w.e.f. June. 2019)</u> (CBCS PATTERN JUNE-2018) Time: 3:00 p.m. to 6:00 p.m	
Wednesday 27/12/2023	91 92 93	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

[4] Electronics & Telecommunication 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
Wednesday 03/01/2024	94	Research Methodology & IPR (MTETC101)
Friday 05/01/2024	95	Antenna Theory & Techniques (MTETC102)
Sunday 07/01/2024	96	Advanced Embedded System (MTETC103)
Tuesday 09/01/2024	97 98	Elective - I 1. Biomedical Signal Processing (MTETC105) 2. Soft Computing Methods (MTETC106)
Thursday 11/01/2024	155 156	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
Wednesday 03/01/2024	99	Research Methodology & IPR (7076101)
Friday 05/01/2024	100	Antenna Design and Application (7076102)
Sunday 07/01/2024	101	Soft Computing Methods (7076103)
Tuesday 09/01/2024	102	Advanced Network System (7076104)
Thursday 11/01/2024	103 104 105	Elective - I 1.Biomedical Signal Processing (7076106) 2.Advanced Embedded System (7076107) 3.Automotive Electronics (7076108)

Day & Date	Sr. No.	F.Y. (M.Tech.) Sem – II (New w.e.f. Nov. 2018) (CBCS PATTERN JUNE-2018) Time: 2:00 p.m. to 5:00 p.m
Thursday 04/01/2024	106	Advanced Internet of Things (7076201)
Saturday 06/01/2024	107	RF Circuit Design (7076202)
Monday 08/01/2024	108	Artificial Intelligence & Machine Learning (7076203)
Wednesday 10/01/2024	109	Cryptography and Network Security (7076204)
Friday 12/01/2024	110 111 112	<u>Elective - II</u> 1.Communication System Design (7076206) 2.Multimedia Processing (7076207) 3.Automation and Industrial Robotics (7076208)

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
Tuesday 26/12/2023	113 114 115 116	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
Wednesday 27/12/2023	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
Wednesday 03/01/2024	120	Applied Algorithms (MTCSE101)
Friday 05/01/2024	121	Theory of Computation (MTCSE102)
Sunday 07/01/2024	122	Data Mining (MTCSE103)
Tuesday 09/01/2024	123	Machine Learning© (MTCSE104)
Thursday 11/01/2024	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
Wednesday 03/01/2024	128	Applied Algorithms (7079101)
Friday 05/01/2024	129	Theory of Computation (7079102)
Sunday 07/01/2024	130	Data Mining (7079103)
Tuesday 09/01/2024	131	Machine Learning© (7079104)
Thursday 11/01/2024	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. 2018) (CBCS PATTERN JUNE-2018) Time: 2:00 p.m. to 5:00 p.m
Thursday 04/01/2024	136	Research Methodology & IPR© (7079201)
Saturday 06/01/2024	137	Internet of Things (7079202)
Monday 08/01/2024	138	Internet Routing Algorithm (7079203)
Wednesday 10/01/2024	139 140 141 142	<u>Elective - II</u> 1.Reinforcement Learning (7079205) 2.Advanced Cloud Computing (7079206) 3.High Performance Computing (7079207) 4. Software Defined Network (7079208)
Friday 12/01/2024	143 144 145 146	<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
Tuesday 26/12/2023	147 148 149 150	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	
Wednesday 27/12/2023	151 152 153 154	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/2023/2983

Date : 19/12/2023

Sd/-
Ag. Director
Board of Examinations and Evaluation