

 <p>Estd. 1962 "A++" Accredited by NAAC(2021) With CGPA 3.52</p>	<p>SHIVAJI UNIVERSITY, KOLHAPUR-416004, MAHARASHTRA PHONE: COE Office: 0231-2693176 Engg.Exam.Section: 0231-2609122 Website: www.unishivaji.ac.in E-mail: coe@unishivaji.ac.in शिवाजी विद्यापीठ, कोल्हापूर-416004 महाराष्ट्र दूरध्वनी : संचालक, परीक्षा व मुल्यमापन मंडळ: 0231-2693176 अभियांत्रिकी व तंत्रज्ञान परीक्षा विभाग : 0231-2609122 वेबसाईट : (www.unishivaji.ac.in) ई मेल coe@unishivaji.ac.in</p>	
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Ref. SU/Engg.&Tech.Exam.Sect./M.Tech CBCS - Prog/ 677

Date : 29 MAY 2023

To,
The Principals/Directors,
Affiliated Colleges / Institutes

Sub:- Draft Programme of the M.Tech CBCS Summer Examination
March, 2023 to be held in August 2023.

Sir/Madam,

Please find enclosed here with the Theory Examination Programme of M. Tech CBCS semester I & II examinations of March, 2023 to be held in August 2023. A request to display the same on the notice board of your college immediately for the information of the students and teachers concerned.

The Programme hosted on the University website i.e. www.unishivaji.ac.in

Thanking you,

Yours faithfully,



Dy. Registrar

Encl : as above.

Copy for information and further necessary action.

1. Office of Hon'ble Director, Board of Examinations & Evaluation
2. Dy. Registrar, Pre-Exam
3. Dy. Registrar, Post-Exam
4. Appointment Section
5. Strong Room
6. Godown Section
7. CAP Section
8. Lapses Section

SHIVAJI UNIVERSITY, KOLHAPUR

Circular No. ~~177~~ Exam of March 2023.

Draft Programme M. Tech CBCS . Semester I to II Exam to be held in Aug 2023

INSTRUCTIONS :-

- 1) Common instruction as per Circular No.SU/Appointment Section/RVC/159 , Dated 17/04/2023 & No.SU/Appointment Section/RVC/204 , Dated 06/05/2023 available on University web www.unishivaji.ac.in.
- 2) Common Instruction as per Circular No. SU/Appointment/RVC/301, 304,305 dated 13th, 14th & 16th September, 2020, SU/On Exam/29, Dt. 01/02/2020 and also available on University website www.unishivaji.ac.in.

The Centers and places of the Examination will be as under :

Sr.no	Center Code	College Code	College Name
1	8	8	Dr. J. J. Magdum College of Engineering, Jaysingpur
2	03	281	Bharti Vidyapeeths College of Engineering, Morewadi, Kolhapur.

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Course Code 1156

M. Tech CBCS – MECHANICAL			New Course From Dec - 2018
SUB-BRANCH - Mechanical-Design Engineering			
Semester-I			Time: 10.30 a.m. to 1.30 p.m
DAY	DATE	SUB CODE	SUB NAME
09/08/2023	Wednesday	72048	Mathematical Modeling and Design Optimization
10/08/2023	Thursday	72049	Solid Mechanics
11/08/2023	Friday	72050	Advanced Finite Element Analysis
12/08/2023,	Saturday	Elective-I	
		72053	Material Handling Equipment Design
		72051	Reliability Engineering
		72052	Process Equipment Design
		72054	Product Design And Development
14/08/2023	Monday	Elective-II	
		72055	Robotics
		72056	Machine Tool Design
		72057	Advanced Design Engineering
		72058	Reverse Engineering

SUB-BRANCH - Mechanical-Design Engineering			New Course From May - 2019
Semester-II			
			Time: 2.30 p.m. to 5.30 p.m.
DAY	DATE	SUB CODE	SUB NAME
09/08/2023	Wednesday	72697	Vibration Engineering
11/08/2023	Friday	72698	Smart Materials and Structure
14/08/2023	Monday	72699	Analysis and Synthesis of Mechanisms
17/08/2023,	Thursday	Elective-III	
		72700	Experimental Stress Analysis
		72701	Design for Sustainability and Life Cycle Cost
		72702	Tribology
		72703	Open Elective
19/08/2023	Saturday	Elective-IV	
		72704	Noise and Vibration Harshness
		72705	Vehicle Dynamics
		72706	Engineering Fracture Mechanics
		72707	Design for Manufacture and Assembly

SUB-BRANCH - Mechanical Heat Power Engineering New Course From Dec - 2018			
Semester-I		Time: 10.30 a.m. to 1.30 p.m	
DAY	DATE	SUB CODE	SUB NAME
09/08/2023	Wednesday	72061	Advanced Fluid Mechanics
10/08/2023	Thursday	72062	Advanced Thermodynamics And Combustion
11/08/2023	Friday	72063	Advanced Heat Transfer
12/08/2023,	Saturday	Elective-I	
		72064	Advanced I.C. Engines
		72065	Advanced Refrigeration
		72066	Advanced Power Plant Engineering
14/08/2023	Monday	Elective-II	
		72067	Advanced Automobile Engineering -
		72068	Design of Air Conditioning Systems
		72069	Advanced Automobile Engineering

SUB-BRANCH - Mechanical Heat Power Engineering New Course From May - 2019			
Semester-II		Time: 2.30 p.m. to 5.30 p.m.	
DAY	DATE	SUB CODE	SUB NAME
09/08/2023	Wednesday	72711	Numerical Computation of Fluid and Heat Flow
11/08/2023	Friday	72712	Energy Analysis of Thermal Systems
14/08/2023	Monday	72713	Design of Heat Transfer Equipment's
17/08/2023,	Thursday	Elective-III	
		72714	Design of Renewable Energy Equipment's & Systems
		72715	Cryogenics
		72716	Open Elective
19/08/2023	Saturday	Elective-IV	
		72717	Gas Turbines and Jet Propulsion
		72718	Advanced Mathematical Methods and Optimization
		72719	Design of Pumps, Compressors and Blowers

SUB-BRANCH - Mechanical Machine Design			New Course From Dec - 2018
Semester-I		Time: 10.30 a.m. to 1.30 p.m	
DAY	DATE	SUB CODE	SUB NAME
09/08/2023	Wednesday	72105	Solids Mechanics
10/08/2023	Thursday	72106	Mathematical Modeling And Design Optimization
11/08/2023	Friday	72107	Vibrations Engineering
12/08/2023,	Saturday	Elective-I	
		72108	Tribology
		72109	Process Equipment Design
		72110	Finite Element Analysis
		72111	Mechatronics
14/08/2023	Monday	Elective-II	
		72112	Vibration Control And Condition Monitoring
		72113	Product Design And Development
		72114	Material Handling Equipment Design
		72115	Robotics

SUB-BRANCH - Mechanical Machine Design			New Course From May - 2019
Semester-II		Time: 2.30 p.m. to 5.30 p.m.	
DAY	DATE	SUB CODE	SUB NAME
09/08/2023	Wednesday	72759	Mechanics of Machinery
11/08/2023	Friday	72760	Advanced Machine Design
14/08/2023	Monday	72761	Advanced Materials
17/08/2023	Thursday	Elective-III	
		72762	Experimental Stress Analysis
		72763	Composite Materials
		72764	Advanced Machine Tool Design
19/08/2023	Saturday	Elective-II	
		72766	Noise and Vibration Harshness
		72767	Vehicle Dynamics
		72768	Engineering Fracture Mechanics
		72769	Reliability Engineering

M. Tech CBCS – ELECTRONICS			New Course From Dec - 2018
Semester-I		Time: 10.30 a.m. to 1.30 p.m	
DAY	DATE	SUB CODE	SUB NAME
09/08/2023	Wednesday	72016	Advanced Digital Signal Processing
10/08/2023	Thursday	72017	Cosmos VLSI Design
11/08/2023	Friday	72018	Random Signal Processing
12/08/2023,	Saturday	Elective - I	
		72019	High Performance Communication Network
		72020	Design of Digital Circuit & Logic Design
		72021	Advanced Communication Systems
		72022	Software Defined Rad ios
14/08/2023	Monday	Elective - II	
		72023	Image Processing & Applications
		72024	Design Of VLSI Systems
		72025	Wireless Sensor Networks
		72026	Industrial Dc Drives

M. Tech CBCS – ELECTRONICS			New Course From May - 2019
Semester-II		Time: 2.30 p.m. to 5.30 p.m.	
DAY	DATE	SUB CODE	SUB NAME
09/08/2023	Wednesday	72230	Real Time Embedded System Design
11/08/2023	Friday	72231	Power Electronics Systems
14/08/2023	Monday	Elective - III	
		72232	Design & Analysis of Algorithms
		72233	Design of Analog & Mixed Mode VLSI Circuits
		72234	RF & Microwave Circuits
		72235	Advanced Wireless Communication
17/08/2023	Thursday	Elective - IV	
		72236	Fuzzy Systems
		72237	VLSI in Digital Signal Processing
		72238	Nano Technology
		72239	Cryptography & Network Security
19/08/2023	Saturday	Elective - V	
		72240	Advanced Process Control
		72241	Renewable & Distributed Energy Systems
		72242	Internet of Things
		72243	Robotic Design & Control

M. Tech CBCS – ELECTRONICS & TELECOMM.

New Course From Dec - 2018

Semester-I**Time: 10.30 a.m. to 1.30 p.m**

DAY	DATE	SUB CODE	SUB NAME
09/08/2023	Wednesday	72040	Advanced Embedded System
10/08/2023	Thursday	72041	Error Control Coding Techniques
11/08/2023	Friday	72042	Advanced Wireless Communication
12/08/2023,	Saturday	Elective – I	
		72043	Random Process
		72044	Digital Data Compression
		72045	Advanced Biomedical Signal Processing
		72046	Optimization techniques
14/08/2023	Monday	Elective – II	
		72047	Mobile Computing
		72431	Design of VLSI Systems
		72432	Internet Traffic Engineering
		72433	Advanced Antenna Theory

M. Tech CBCS – ELECTRONICS & TELECOMM.

New Course From May - 2019

Semester-II**Time: 2.30 p.m. to 5.30 p.m.**

DAY	DATE	SUB CODE	SUB NAME
09/08/2023	Wednesday	72683	Computer Vision
11/08/2023	Friday	72684	Adhoc & Wireless Sensor Networks
14/08/2023	Monday	Elective – III	
		72685	Cryptography & Network Security
		72686	Multi Rate System
		72687	Advanced Light Wave Communication
		72688	DSP Architecture & Algorithm
17/08/2023	Thursday	Elective – IV	
		72689	Advanced Microwave Circuit Design
		72690	SDR & Cognitive Radio Technology
		72691	Industry Automation & Process Control
		72692	Nanotechnology
19/08/2023	Saturday	Elective – V	
		72693	Advanced Operating Systems
		72694	Artificial Intelligence
		72695	Soft Computing
		72696	Cyber Security

M. Tech CBCS – COMPUTER SCIENCE AND TECH. New Course From Dec - 2018**Semester-I****Time: 10.30 a.m. to 1.30 p.m**

DAY	DATE	SUB CODE	SUB NAME
09/08/2023	Wednesday	72028	Mathematical Foundations of Computer Science
10/08/2023	Thursday	72029	Design of Database Systems
11/08/2023	Friday	72030	Advanced Algorithms
12/08/2023,	Saturday	Elective – I	
		72031	Advanced Network Protocol
		72032	Ad-Hoc Wireless Network
		72033	Pervasive Computing
14/08/2023	Monday	Elective – II	
		72034	Cloud And Virtualization
		72035	High Performance Computing Architectures
		72036	Advanced Operating Systems

M. Tech CBCS – COMPUTER SCIENCE AND TECH. New Course From May - 2019**Semester-II****Time: 2.30 p.m. to 5.30 p.m.**

DAY	DATE	SUB CODE	SUB NAME
09/08/2023	Wednesday	72245	Systems and Information Security
11/08/2023	Friday	72246	Machine Learning
14/08/2023	Monday	Elective – III	
		72247	Data Analytics
		72248	Data Warehousing and Data Mining
		72249	Business Analytics
17/08/2023	Thursday	Elective – IV	
		72250	Deep Learning
		72251	Computer Vision
		72252	Pattern Recognition
19/08/2023	Saturday	Elective – V	
		72512	Parallel and Distributed Computing
		72513	Information Retrieval
		72514	Natural Language Processing

M. Tech CBCS – CHEMICAL			New Course From Dec - 2018
Semester-I		Time: 10.30 a.m. to 1.30 p.m	
DAY	DATE	SUB CODE	SUB NAME
09/08/2023	Wednesday	72080	Advanced Momentum And Heat Transfer
10/08/2023	Thursday	72081	Advanced Chemical Engineering Thermodynamics
11/08/2023	Friday	72082	Process Modeling In Chemical Engineering
12/08/2023,	Saturday	Elective – I	
		72083	Nano Technology
		72084	Green Technology
		72085	Pharmaceutical Biotechnology
14/08/2023	Monday	Elective – II	
		72086	Catalysis And Surface Phenomena
		72087	Bioprocess Engineering
		72088	Materials Engineering
		72089	Process And Equipment Design

M. Tech CBCS – CHEMICAL			New Course From May - 2019
Semester-II		Time: 2.30 p.m. to 5.30 p.m.	
DAY	DATE	SUB CODE	SUB NAME
09/08/2023	Wednesday	72732	Advanced Mass Transfer
11/08/2023	Friday	72733	Modern Reaction Engineering
14/08/2023	Monday	72734	Chemical Process Control
17/08/2023	Thursday	Elective – III	
		72735	Computational Fluid Dynamics
		72736	Energy Engineering
		72737	Research Methodology
19/08/2023	Saturday	Elective – IV	
		72739	Project Management
		72740	Advance Separation Techniques
		72741	Downstream Process Technology
		72742	Operational Research

M. Tech CBCS – CAD-CAM-CAE			New Course From Dec - 2018
Semester-I			Time: 10.30 a.m. to 5.30 p.m
DAY	DATE	SUB CODE	SUB NAME
09/08/2023	Wednesday	72092	Computer Aided Design
10/08/2023	Thursday	72093	Advanced Machine Design
11/08/2023	Friday	72094	Advanced Finite Element Analysis
12/08/2023,	Saturday	Elective – I	
		72095	Mechatronics System Design
		72096	Design & Development of CAD/CAM/CAE Engineering
		72097	Theory of Plasticity and Elasticity
		72098	Design of Hydraulic and Pneumatic System
14/08/2023	Monday	Elective – II	
		72099	Design of Experiment and Research Methodology
		72100	Automatic Control
		72101	Optimization Techniques
		72102	Tribology & Surface Engineering

M. Tech CBCS – CAD-CAM-CAE			New Course From May - 2019
Semester-II			Time: 2.30 p.m. to 5.30 p.m.
DAY	DATE	SUB CODE	SUB NAME
09/08/2023	Wednesday	72745	Manufacturing Systems Design
11/08/2023	Friday	72746	Computer Aided Manufacturing
14/08/2023	Monday	72747	Product Life Cycle Management
17/08/2023	Thursday	Elective – III	
		72748	Nanotechnology
		72749	Rapid Manufacturing
		72750	Computational Fluid Dynamics
		72751	Open Elective
19/08/2023	Saturday	Elective – IV	
		72752	Design for Manufacturing and Assembly
		72753	Ind. Automation and Robotics
		72754	CAD/CAM/CAE Practices in Metal forming
		72755	Industrial Product Design

M. Tech CBCS – CIVIL			New Course From Dec - 2018
Semester-I		Time: 10.30 a.m. to 1.30 p.m	
SUB- BRANCH - CIVIL CONSTRUCTION & MANAGEMENT			
DAY	DATE	SUB CODE	SUB NAME
09/08/2023	Wednesday	72072	Construction Project Management
10/08/2023	Thursday	72073	Construction Equipment
11/08/2023	Friday	72074	Project Economics & Financing
12/08/2023,	Saturday	72075	Computational Methods and Optimization Techniques
14/08/2023	Monday	Elective I	
		72076	Entrepreneurship in Construction
		72077	Human Resource Development in Construction
		72078	Repair and Rehabilitation of Structures
		72079	Ground Improvement Techniques

M. Tech CBCS – CIVIL			New Course From May - 2019
Semester-II			Time: 2.30 p.m. to 5.30 p.m.
SUB- BRANCH - CIVIL CONSTRUCTION & MANAGEMENT			
DAY	DATE	SUB CODE	SUB NAME
09/08/2023	Wednesday	72723	Construction Contracts and Legal Aspects
11/03/2023	Friday	72724	Statistical Analysis and Research Methodology
14/03/2023	Monday	72725	Construction Methods and Techniques
17/08/2023	Thursday	Elective II	
		72726	Advanced Construction
		72727	Environmental Impact Assessment
		72728	Advance Construction Materials & Building Services

Important - In case of any Query found in respective Question Paper, Student shall communicate the same through Principal/Senior Supervisor within 03 days from the date of concerned Question Paper to Deputy Registrar, Appointment Section, Room No. 205, Exam Building No. 1, Shivaji University, Kolhapur

Engineering & Technology Exam Section

Date : May , 2023

29 MAY 2023



Director,

Board of Examinations and Evaluation