PUNYASHLOKAHILYADEVIHOLKAR SOLAPURUNIVERSITY, SOLAPUR

EXAM OF 2024

SEMESTER PATTERN EXAMINATION

REVISED FINAL PROGRAM OF THE BACHELOR OF TECHNOLOGY(B.TECH.)

EXAMINATIONS IN THE BRANCHES

[1]CIVIL ENGINEERING [2]MECHANICAL ENGINEERING [3]ELECTRONICSENGINEERING
[4] ELECTRONICS&TELE-COMM. [5] COMPUTERSCI&ENGG [6]INFORMATIONTECHNOLOGY
[7]ELECTRICALENGINEERING

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

1. 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 for bidden to take any book or paper in to the Examination Hall.

2. **Important Note:**ode 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 onJSR(Junior Supervisor Report)and related documents.

3. All the Candidates are asked to follow the timely instructions given by University in accordance with the examination smethodology.

4. 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 मधीलतरतूदीनुसार अपंग विद्यार्थ्यांना ऑनलाईन व ऑफलाईन परीक्षेमध्ये सर्वसाधरण विद्यार्थ्यापिक्षा १ तासाला कमीतकमी २० मिनीट इतका वेळ वाढवून देण्यास सर्वानुमते मान्यता देण्यात आली.)

The Written Examinations will be held at the following places:

Sr.No.	Center	College Abbreviation	Place
1	Solapur	WIT	Walchand Institute of Technology
2		BMIT	Brahmdevdada Mane Institute of Technology
3		NBNSCOE	N.B.NavaleSinhgadCollegeofEngg.,Kegaon
4	Pandharpur	COEP	SVERICollegeofEngineering,Pandharpur
5		SKNSCOE	S.K.N.Sinhgad Collegeof Engg.Korti
6	Akluj	SMPIT	S.M.ShankarraoMohite-PatilInst.ofTech.andResearch,Akluj
7	Barshi	MITCORER	MIT CollegeofRailway EngineeringandResearch, Jamgaon, Barshi

Day & Date	Sr. No.	T.Y.(B.Tech.)(CivilEngg.)Sem–I(New w.e.f.June.2022) (CBCS 2020 PATTERN) Time:10:00 am to 1:00pm
Wednesday 01/01/2025	1	Design of Steel Structures (BTN01501)
Friday 03/01/2025	2	Geotechnical Engineering (BTN01502)
Monday 06/01/2025	3	Highway and Tunnel Engineering (BTN01503)
Wednesday 08/01/2025	4	Hydrology and Water Resources Engineering(BTN01504)
Saturday 11/01/2025	5	Design of Concrete Structures I (BTN01505)
Thursday 16/01/2025	6	Environmental Engineering-II (BTN01506)
Saturday 18/01/2025	7 8 9 10	**Honors Degree** 1.Risk Assessment and Vulnerability Analysis (BTN01514) 2. Planning and Design of Rural Roads (BTN01515) 3. Construction Materials: Sustainability and Usability (BTN01516) 4. Managing Innovation and Entrepreneurship (BTN01517)
Monday 20/01/2025	11 12 13 14 15	**Self-Learning** 1.Economics (BTN01508) 2. Intellectual Property Rights for Technology Development And Management (BTN01509) 3. Introduction to Sociology (BTN01510) 4. Stress and Coping (BTN01511) 5. Professional Ethics & Human Value (BTN01512) Time:10:00 am to 12:00 pm

Day & Date	Sr. No.	T.Y.(B.Tech.)(CivilEngg.)Sem– II(New w.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:10:00 am to 1:00 pm
Wednesday 22/01/2025	16	Foundation Engineering(BTN01601)
Thursday 23/01/2025	17	Hydraulic Structures &Water Power Engg (BTN01602)
Friday 24/01/2025	18	**Professional Elective-I** A) Structural Analysis by Matrix Methods(BTN01608)
	19	B) Structural Dynamics (BTN01609)
	20	c) Design of Bridges (BTN01610)
	21	d) Design of Pre stressed concrete structures (BTN01611)
	22	e) Airport Planning and Design (BTN01612)
	23	f) Pavement Design(BTN01613)
	24	g) Construction Engineering Materials (BTN01614)
	25	h) Systems Engineering & Economics (BTN01615)
	26	i) Advanced Concrete Technology (BTN01616)
	27	j) Open Channel flow & River Hydraulics (BTN01617)
	28	k) Solid and Hazardous Waste Management (BTN01618)
	29	l) Urban Hydrology and Hydraulics (BTN01619)
Saturday 25/01/2025	30	Design of Concrete Structures II (BTN01603)
Monday 27/01/2025	31	Principles of Management and Quantitative Techniques (BTN01604)
Tuesday 28/01/2025	32	Railway, Airport & Harbour Engineering (BTN01605)
Wednesday 29/01/2025	33 34 35 36	**Honors Degree** 1. Disaster Preparedness and Response(BTN01620) 2. Roads and Highway Project Development(BTN01621) 3. Sustainable Materials and Green Buildings (BTN01622) 4. Engineering System Design Optimization(BTN01623)

Day &Date	Sr. No.	Fourth.Y.(B.Tech.)(CivilEngg.)Sem–I (New w.e.f.June2023) (CBCS 2020 PATTERN) Time:10.00 am. to 1.00pm.
Thursday 02/01/2025	37	Estimating, Costing and Valuation (BTN01701)
Saturday 04/01/2025	38	Earthquake Engineering (BTN01702)
Tuesday 07/01/2025	39	Construction Management and Practices (BTN01703)
Thursday 09/01/2025	40 41 42 43 44 45 46 47 48 49	Professional Elective-II a) Advanced Structural Analysis (BTN01707) b) Advanced Design of Concrete Structures (BTN01708) c) Finite Element Method (BTN01709) d) Traffic Engineering and Management (BTN01710) e) Geo synthetics and soil structures (BTN01711) f) Construction Productivity (BTN01712) g) Entrepreneurship (BTN01713) h) Optimization Techniques (BTN01714) i) Water Power Engineering (BTN01715) j) Air and Noise Pollution and Control (BTN01716)
Wednesday 15/01/2025	50 51 52 53	**Honors Degree** 1. Recovery, Rehabilitation and Reconstruction (BTN01717) 2. Bridge and Grade Separated Structures (BTN01718) 3. Sustainable Engineering & Technology (BTN01719) 4. Civil Engineering System Analysis and Design (BTN01720)

Day & Date	Sr. No.	Fourth.Y.(B.Tech.)(CivilEngg.)Sem–II (New w.e.f.June2023) (CBCS 2020 PATTERN) Time: 3:00 pm to 6:00 pm
Wednesday 22/01/2025	54	Professional Practice, Law & Ethics (BTN01801)
Thursday 23/01/2025	55 56 57 58 59 60 61	**Professional Elective Course- III** a) Repairs & Rehabilitation of Structures (BTN01803) b) Industrial Structures (BTN01804) c) Urban Transportation Planning.(BTN01805) d) Ground improvement Techniques (BTN01806) e) Cost Management of Engineering Projects (BTN01807) f) Disaster Management (BTN01808) g) Water and Air Quality Modelling (BTN01809)
Friday 24/01/2025	62 63 64 65	**Self Learning Technical Course (Elective)** a) Concrete composites (BTN01810) b) Rural Roads (BTN01812) c) TQM and MIS in Civil Engineering (BTN01813) d) Planning for Sustainable Development (BTN01814)

Day & Date	Sr. No.	Fourth.Y.(B.Tech.)(CivilEngg.)Sem–II (w.e.f.OCT2021) (CBCSPATTERN) (Old up to OCT.2024) Time: :3:00 pm to 6:00 pm
Wednesday 22/01/2025	66 67 68 69 70 71 72 73 74 75	**Professional Elective-III** a) Industrial Structures(197042805) b)Public Transportation Systems (197042807) c) Construction Cost Analysis(197042810) d) Rural Water Supply and Onsite Sanitation Systems (197042812) e) Repairs &Rehabilitation of Structures (197042806) f) Airport Planning and Design (197042808) g) Construction Equipment & Automation (197042811) h) Air & Noise Pollution and Control(197042813) i) High Speed Rail Engineering (197042809) j) Surface Hydrology(197042814)
Thursday 23/01/2025	76 77 78 79 80 81 82 83 84 85	**Professional Elective-IV** a) Metal Structure Behaviour – II (197042815) b) Infrastructure Planning and Design (197042817) c) Advanced Concrete Technology (197042821) d) Water and Air Quality Modelling (197042823) e) Design of Bridges(197042816) f) Transportation Economics(197042818) g) Entrepreneurship(197042822) h) Water Resources Field Methods (197042824) i) Railway Project Design & Planning for Civil Engineering (197042819) j) Ground Improvement Techniques (197042820)
Friday 24/01/2025	86	Railway& Harbour Engineering (197042801)
Saturday 25/01/2025	87	Open Elective-III :Economic policies in India(197042802)
Monday 27/01/2025	88	Professional Practice, Law& Ethics(197042803)

Day &Date	Sr. No.	T.Y.(B.Tech.) (Mechanical Engg.)Sem–I(Neww.e.f.June2022) (CBCS 2020 PATTERN) Time:10.00 am to 1:00pm
Wednesday 01/01/2025	89	Design of Machine Elements (BTN02501)
Friday 03/01/2025	90	CAD-CAM-CAE (BTN02502)
Monday 06/01/2025	91	Metallurgy(BTN02503)
Wednesday 08/01/2025	92	Industrial Engineering(BTN02504)
Saturday 11/01/2025	93 94 95 96	**Professional Elective-III** a) GAS TURBINES(BTN02514) b) : Tool Engineering(BTN02515) **(Time:10.00 am to 2:00 pm)** c) Industrial Hydraulics & Pneumatics(BTN02516) d) Mechanical Vibrations(BTN02517)
Thursday 16/01/2025	97 98 99 100	**Honors Degree** a) Machine Vision(BTN02518) b) 3D Printing Material(BTN02519) c) Energy Conservation, Management And Audit(BTN02520) d) Introduction to Electric and Hybrid Electric Vehicles(BTN02521)
Monday 20/01/2025	101 102 103 104 105	**Self Learning** 1.Economics (BTN02508) 2.Intellectual Property Rights for Technology Development And Management (BTN02509) 3.IntroductiontoSociology (BTN02510) 4.StressandCoping (BTN02511) 5.ProfessionalEthics&HumanValue (BTN02512) **Time:10:00 am to 12:00 pm**

Day&Date	Sr. No.	T.Y.(B.Tech.)(Mechanical Engg.)Sem–II(New w.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:10:00 amto 1:00pm
Wednesday 22/01/2025	106	Transmission System Design(BTN02601)
Thursday 23/01/2025	107	Instrumentation and Control Engineering (BTN02602)
Friday 24/01/2025	108	Heat Transfer (BTN02603)
Saturday 25/01/2025	109	Industrial & Quality Management(BTN02604)
Monday 27/01/2025	110 111 112 113	Professional Elective-IV A) Project Management(BTN02608) B)Industrial Product Design(BTN02609) C)Plastic Engineering(BTN02610) D)Railway Transportation System (BTN02611)
Tuesday 28/01/2025	114 115 116 117	**Honors Degree** a) Industrial Networks and Controllers (BTN02612) b) 3D Printing Hardware & Software (BTN02613) c) Energy Conversion Systems (BTN02614) d) Battery Technology and Charging Infrastructure (BTN02615)

Day&Date	Sr. No.	T.Y.(B.Tech.)(Mechanical Engg.)Sem–II(w.e.f.Nov.2020-21) (CBCS 2020 PATTERN) Time:10:00 am to 1:00pm
Sunday 12/01/2025	500	Joining Technologies for Metals (197041615)
	501	Steam Power Engineering (197041616) Time:3:00 pm to 6:00 pm

Day & Date	Sr. No.	Fourth.Y.(B.Tech.)(Mechanical Engg.)Sem–I(New w.e.f.June2023) (CBCS 2020 PATTERN) Time:10:00 am to 1:00pm
Thursday 02/01/2025	118	Refrigeration and Air Conditioning(BTN02701)
Saturday 04/01/2025	119	Automobile Engineering(BTN02702)
Tuesday 07/01/2025	120	Automation and Robotics (BTN02703)
Thursday 09/01/2025	121 122 123 124 125	Professional Elective-V a)Production and Operations Management(BTN02706) b) Artificial Intelligence and Machine Learning (BTN02707) c) Railway Systems Management (BTN02708) d) Analysis and Synthesis of Mechanisms (BTN02709) e) Business Economics (BTN02710)
Wednesday 15/01/2025	126 127 128 129	**Honors Degree** a) Advanced topics in robotics(BTN02718) b) Advanced topics on 3D Printing (BTN02719) c) Energy Resources, Economics and Environment (BTN02716) d) Advanced Topics in Electric Vehicles (BTN02717)
Friday 17/01/2025	130 131 132 133 134	Open Elective a) Entrepreneurship Development (BTN02711) b) Operations Research (BTN02712) c) Research Methodology (BTN02713) d) Supply Chain Management (BTN02714) e) Finite Element Method (BTN02715)

Day&Date	Sr. No.	FourthY.(B.Tech.)(Mechanical Engg.)Sem–I (w.e.f.Nov.2021-22) (CBCS 2020 PATTERN) Time:10:00 amto 1:00pm
Sunday 12/01/2025	503	Robotics and Artificial Intelligence (197041703)

Day & Date	Sr. No.	T.Y. (B.Tech.) (Electronics Engg.) Sem– I (New w.e.f. NOV. 2022) (CBCS 2020 PATTERN) Time:10.00am to1.00pm
Wednesday 01/01/2025	135	Digital Communication(BTN04501)
Friday 03/01/2025	136	Digital Signal Processing(BTN04502)
Monday 06/01/2025	137	Microcontrollers(BTN04503)
Wednesday 08/01/2025	138 139 140 141	**Open Elective- I** a) Information Technology and Management(BTN04513) b) Managerial Economics(BTN04514) c) Project Management and Operation Research(BTN04515) d) Business Ethics(BTN04516)
Saturday 11/01/2025	142 143 144	**Honors Degree** a) Artificial Intelligence(BTN04517) b) Data Processing & Feature Engineering(BTN04518) c) Industrial IoT(BTN04519)
Monday 20/01/2025	145 146 147 148 149	**Self Learning** a) Economics(BTN04506) b) Intellectual Property Rights for Technology Development and Management(BTN04507) c) Introduction to Sociology(BTN04508) d) Stress and Coping(BTN04509) e) Professional Ethics & Human Value(BTN04510) Time:10:00 am to 12:00 pm

Day&Date	Sr. No.	T.Y. (B.Tech.) (Electronics Engg.) Sem– II (Neww.e.f. NOV. 2022) (CBCS 2020 PATTERN) Time:10.00am to1.00pm
Wednesday 22/01/2025	150	Computer Networks(BTN04601)
Thursday 23/01/2025	151	Embedded Systems(BTN04602)
Friday 24/01/2025	152	VLSI Design(BTN04603)
Saturday 25/01/2025	153 154 155	**Professional Elective-I** a) Image Processing(BTN04609) b) Computer Organization(BTN04610) c) Multimedia Systems(BTN04611)
Monday 27/01/2025	156 157 158 159	**Open Elective-II** A)OPERATINGSYSTEMS(BTN04605) b) Sensors and Applications(BTN04606) c) Open Source Technologies(BTN04607) d) Power System Planning(BTN04608)
Tuesday 28/01/2025	160 161 162	**Honors Degree** a) AI/MI -Machine Learning(BTN04612) b) Data Science Machine LearingBTN04613) c) IoT Cloud Platform(BTN04614)

Day & Date	Sr. No.	Fourth.Y.(B.Tech.)(ElectronicsEngg.)Sem–I(Neww.e.f.June2023) (CBCS 2020 PATTERN) Time: 10.00 am to01.00pm
Thursday 02/01/2025	163	Advanced Communication Engineering (BTN04701)
Saturday 04/01/2025	164	Power Electronics (BTN04702)
Tuesday 07/01/2025	165	Mobile Technology (BTN04703)
Thursday 09/01/2025	166 167 168	**Elective-I** a) CMOS VLSI Design (BTN04706) b) PLC and Industrial Controllers (BTN04707) c) Software Engineering (BTN04708)
Saturday 15/01/2025	169 170 171	**Honors** 1. AI Applications (BTN04710) 2. Data Science- Business Intelligence (BTN04712) 3. IOT- Architecting IOT Solutions (BTN04714)

Day & Date	Sr. No.	Fourth.Y. (B.Tech.)(Electronics Engg.)Sem–II(New w.e.f.Oct.2023) (CBCSPATTERN) Time:3.00pm to6.00pm
Wednesday 22/01/2025	172 173 174	Elective-III a) Speech Processing (BTN04806) b) Mechatronics (BTN04807) c) Cloud Computing (BTN04808)
Thursday 23/01/2025	175 176 177 178	Self-Learning II – Technical a) Electronic Instrumentation (BTN04802) b) Biomedical Instrumentation (BTN04803) c) Cyber Security (BTN04804) d) Approved MOOC Course (BTN04805) (Time:3.00pm to5.00pm)

Day & Date	Sr. No.	Fourth.Y.(B.Tech.)(Electronics Engg.)Sem–II(w.e.f.Oct.2021) (CBCSPATTERN) (Old up to OCT.2024) Time:3.00pm to6.00pm
Wednesday 22/01/2025	179	Advanced Communication Engineering(197047801)
Thursday 23/01/2025	180	Audio Video Systems(197047802)
Friday 24/01/2025	181 182 183	Elective-II a) Speech processing(197047804) b) PLC and Industrial Controllers (197047805) c) Data Analytics(197047806)
Saturday 25/01/2025	184 185 186	Elective-III a) Broad and Communication(197047807) b) Biomedical Instrumentation(197047808) c) Computer Architecture(197047809)

Day & Date	Sr. No.	Fourth.Y.(B.Tech.)(Electronics Engg .)Sem–I (w.e.f.June 2021-22) (CBCSPATTERN 2019) Time:10:00 amto 1:00pm
Sunday 12/01/2025	505	Database Management System (197047709)

Day & Date	Sr. No.	T.Y.(B.Tech.)(Computer Science & Engg.)Sem–I(Neww.e.f.June2022) (CBCS 2020 PATTERN) Time:10.00am to1.00pm
Wednesday 01/01/2025	187	Artificial Intelligence(BTN03501)
Friday 03/01/2025	188	Operating Systems (BTN03502)
Monday 06/01/2025	189	Database Engineering (BTN03503)
Wednesday 08/01/2025	190	Design and Analysis of Algorithm (BTN03504)
Saturday 11/01/2025	191 192 193	**Honors Degree** a) Reinforcement Learning (BTN03512) b) Data Preprocessing & Visualization (BTN03513) c) Network Security and Secure Coding (BTN03514)
Monday 20/01/2025	194 195 196 197 198	**Self Learning** 1.Economics(BTN03506) 2. IntellectualPropertyRightsforTechnologyDevelopmentandManagement(BTN03507) 3. Introduction to Sociology(BTN03508) 4. Stress and Coping(BTN03509) 5. Professional Ethics &Human Value(BTN03510) **Time:10:00 am to 12:00 pm**

Day & Date	Sr. No.	T.Y.(B.Tech.)(Computer Science and Engg.)Sem–II(Neww.e.f.Nov2022) **(CBCS 2020 PATTERN)** **Time:10:00 amto 1:00pm**
Wednesday 22/01/2025	199	System Programming(BTN03601)
Thursday 23/01/2025	200	Internet of Things (BTN03602)
Friday 24/01/2025	201	Software Engineering (BTN03603)
Saturday 25/01/2025	202 203 204	**Professional Elective-I** a) Cloud Computing (BTN03606) b) Augmented Reality/Virtual Reality (BTN03607) c) Network Security (BTN03608)
Monday 27/01/2025	205 206 207	**Open Elective** a) Principles of Management : Practicing Ethics, Responsibility, Management (BTN03609) b) Engineering Economics and Management (BTN03610) c) Disaster Management (BTN03611)
Tuesday 28/01/2025	208 209 210	**Honors Degree** 1.Natural Language Processing (BTN03612) 2.Machine Learning (BTN03613) 3.Cyber forensic (BTN03614)

Day & Date	Sr. No.	Fourth. Y.(B.Tech.)(Computer and Engg.)Sem–I(New w.e.f. June 2023) (CBCS 2020 PATTERN) Time:10:00 amto 1:00pm
Thursday 02/01/2025	211	Software Testing and Quality Assurance (BTN03701)
Saturday 04/01/2025	212	Compiler Construction (BTN03702)
Tuesday 07/01/2025	213 214 215 216	**Elective-II** a) Business Intelligence (BTN03706) b) Data Mining (BTN03707) c) Distributed Systems (BTN03708) d) Management Information System (BTN03709)
Thursday 09/01/2025	217 218 219	**Elective-III** a) Human Computer Interaction (BTN03710) b) Big Data Analytics (BTN03711) c) Information Retrieval (BTN03712)
Wednesday 15/01/2025	220 221 222	**Honors Degree** a) Deep Learning (BTN03713) b) Predictive Analytics (BTN03715) c) Information Auditing and monitoring (BTN03717)
Friday 17/01/2025	223 224	**Self Learning** 1.UI/UX Technology (BTN03719) 2.Software Licences and Practices (BTN03720) Time:10:00 am to 12:00pm

Day & Date	Sr. No.	Fourth.Y.(B.Tech.)(Computer Engg.)Sem–II(w.e.f.Nov.2021) (CBCSPATTERN) (Old up to OCT.2024) Time : 3:00 pm to 6:00 pm
Wednesday 22/01/2025	225	Management Information System(197043801)
Thursday 23/01/2025	226	Information& Cyber Security(197043802)
Friday 24/01/2025	227 228	**Elective-IV** a) –Big data Analytics (197043805) b) Natural Language Programming(197043806)
Saturday 25/01/2025	229 230	**Elective-V** a) Cloud Computing(197043807) b) –Deep Learning(197043808)

Day & Date	Sr. No.	T.Y. B. Tech. (Electronics& Telecommunication EnggSem– I (Neww.e.f.June2022) (CBCS 2020 PATTERN) Time:10.00 am to 1:00pm
Wednesday 01/01/2025	231	Electromagnetic Field Theory(BTN06501)
Friday 03/01/2025	232	Microcontrollers and Applications(BTN06502)
Monday 06/01/2025	233	Digital Signal Processing(BTN06503)
Wednesday 08/01/2025	234 235 236 237	**Open Elective-I** a) Managerial Economics(BTN06511) b) Project Management and Operation Research(BTN06512) c) Information Technology and Management(BTN06513) d) Business Ethics(BTN06514)
Saturday 11/01/2025	238 239 240 241 242	**Honors Degree** a) Artificial Intelligence(BTN06515) b) Data Processing & Feature Engineering(BTN06516) c) Industrial IoT(BTN06517) d) Data Communication and Signaling in Railway(BTN06518) e) Network Security and Secure Coding(BTN06519)
Monday 20/01/2025	243 244 245 246 247	**Self Learning** 1.Economics(BTN06505) 2.IntellectualProperty Rights for Technology Development and Management(BTN06506) 3. Introduction to Sociology(BTN06507) 4. Stress and Coping(BTN06508) 5. Professional Ethics& Human Value(BTN06509) Time:10:00 am to 12:00pm

Day & Date	Sr No	T.Y. B. Tech. (Electronics& Telecommunication Engg Sem– II (New w.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:10:00 amto 1:00pm
Wednesday 22/01/2025	248	Antenna& Wave Propagation(BTN06601)
Thursday 23/01/2025	249	Embedded System(BTN06602)
Friday 24/01/2025	250	Electronic System Design(BTN06603)
Saturday 25/01/2025	251 252 253	**Professional Elective-I** a) Optical Fiber Communication(BTN06609) b) . Image and Video Processing(BTN06610) c) Multimedia Communication Technology(BTN06611)
Monday 27/01/2025	254 255 256 257	**Open Elective-II** a) Sensors and Applications(BTN06605) b) Open Source Technologies(BTN06606) c) Operating Systems(BTN06607) d) Power System Planning(BTN06608)
Tuesday 28/01/2025	258 259 260 261 262	**Honors Degree** a) AI/MI -Machine Learning(BTN06612) b) IoT Cloud Platform(BTN06614) c) Applications of IT and Control Engineering in Railway (BTN06615) d) Cyber Security -Cyber Forensic(BTN06616) e) Data Science Machine Learning (BTN06613)

Day & Date	Sr. No.	Fourth.Y.(B.Tech.)(E&TCEngg.)Sem–I(New w.e.f.June2023) (CBCSPATTERN) Time:10:00 amto 1:00pm
Thursday 02/01/2025	263	Microwave Engineering (BTN06701)
Saturday 04/01/2025	264	Data Communication (BTN06702)
Tuesday 07/01/2025	265	VLSI Design (BTN06703)
Thursday 09/01/2025	266 267 268	**Professional Elective-II** a) PLC and Industrial Controllers (BTN06707) b) Mobile Communication (BTN06708) c) DSP Processor and application (BTN06709)
Wednesday 15/01/2025	269 270 271 272 273	**Honors Degree** 1. AI Applications (BTN06710) 2. Data Science- Business Intelligence (BTN06713) 3. IOT- Architecting IOT Solutions (BTN06715) 4. **Cyber Security-** Information Security and Audit (BTN06719) 5. **Railway Engineering**-Advanced Communication and Modern Signaling in Railway (BTN06717)
Friday 17/01/2025	274	Research Methodology (BTN06704)

Day & Date	Sr. No.	Fourth.Y.(B.Tech.)(E&TCEngg.)Sem–I (w.e.f.June 2021-22) (CBCSPATTERN 2019) Time:10:00 amto 1:00pm
Sunday 12/01/2025	506	Database Management System (197044704)

Day & Date	Sr. No.	Fourth.Y.(B.Tech.) (E&TC Engg.)Sem–II(<mark>Neww</mark>.e.f.Oct.2023) (CBCS 2020 PATTERN) Time: 3:00 pm to 6:00 pm
Wednesday **22/01/2025**	275 276 277	Professional Elective-III a. Wireless Sensor Networks (BTN06802) b. Satellite Communication (BTN06803) c. Software Defined Radio (BTN06804) **Time: 3:00 pm to 5:00 pm**

Thursday
23/01/2025
	278
	279
	280
	281
		Self Learning Module-II
		  a. Electric Vehicles (BTN06805)
		  b. Mechatronics (BTN06806)
		  c. Biomedical Instrumentation (BTN06807)
		  d. MOOC / University Defined Courses) (BTN06808)
		Time: 3:00 pm to 5:00 pm

Day & Date	Sr. No.	Fourth.Y.(B.Tech.)(E&TCEngg.)Sem–II(w.e.f.Oct.2021) (CBCSPATTERN) (Old up to OCT.2024) Time: 3:00 pm to 6:00 pm
Wednesday **22/01/2025**	282	Microwave Engineering(197044801)
Thursday **23/01/2025**	283	CMOSVLSI Design(197044802)
Friday **24/01/2025**	284 285	**Elective-III** d. Industrial IOT(197044804) e. Artificial Intelligence and Applications(197044805)

Saturday
25/01/2025
	286
	287
		Elective-IV
		  e. Network Security(197044806)
		  f. Data Analytics(197044807)

Day&Date	Sr. No.	T.Y.(B.Tech.)(InformationTechnology)Sem–I(New w.e.f.June2022) (CBCSPATTERN 2020) Time:10.00 am to 1:00 pm
Wednesday 01/01/2025	288	System Software(BTN05501)
Friday 03/01/2025	289	Operating Systems(BTN05502)
Monday 06/01/2025	290	Database Engineering(BTN05503)
Wednesday 08/01/2025	291	Design and Analysis of Algorithms(BTN05504)
Saturday 11/01/2025	292 293 294	**Honors Degree** a)Reinforcement Learning(BTN05512) b) Data Preprocessing & Visualization(BTN05513) c) Network Security and Secure Coding(BTN05514)
Monday 20/01/2025	295 296 297 298 299	**Self Learning** 1.Economics(BTN05506) 2. Intellectual Property Rights for Technology Development and Management(BTN05507) 3. Introduction to Sociology(BTN05508) 4. Stress and Coping(BTN05509) 5. Professional Ethics& Human Value(BTN05510) Time:10:00 am to 12:00 pm

Day&Date	Sr. No.	T.Y.(B.Tech.)(Information Technology)Sem–II (New w.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:10:00 am to 1:00 pm
Wednesday **22/01/2025**	300	Artificial Intelligence(BTN05601)
Thursday **23/01/2025**	301	Object Oriented Modeling & Design(BTN05602)
Friday **24/01/2025**	302	Software Engineering(BTN05603)
Saturday **25/01/2025**	303 304 305	**Professional Elective – I** a) Cloud Computing(BTN05606) b) Augmented Reality/Virtual Reality(BTN05607) c) Network Security(BTN05608)
Monday **27/01/2025**	306 307 308	**Open Elective** a) Principles of Management: Practicing Ethics, Responsibility, Sustainability(BTN05609) b) Engineering Economics and Management(BTN05610) c) Disaster Management(BTN05611)
Tuesday **28/01/2025**	309 310 311	**Honors Degree** a) Natural Language Processing(BTN05612) b) Machine Learning (BTN05613) c) Cyber forensic(BTN05614)

Day & Date	Sr. No.	Fourth.Y.(B.Tech.)(Information Technology Engg.)Sem–I (<mark>New</mark>w.e.f.June2023) (CBCS 2020 PATTERN) Time:10:00 am to 1:00pm
Thursday 02/01/2025	312	Cyber Security (BTN05701)
Saturday 04/01/2025	313	Management Information Systems (BTN05702)
Tuesday 07/01/2025	314 315 316	**Professional Elective-II** a) Internet of Things(BTN05706) b) Distributed Systems (BTN05707) C)Blockchain Technology (BTN05708)
Thursday 09/01/2025	317 318 319	**Professional Elective-III** a) Human Computer Interaction (BTN05709) b) Big Data Analytics (BTN05710) c) Information Retrieval (BTN05711)
Wednesday 15/01/2025	320 321 322	**Honors Degree** a) Deep Learning (BTN05713) b) Predictive Analytics (BTN05715) c) Information Auditing and monitoring (BTN05717)

Day & Date	Sr. No.	Fourth. Y. (B.Tech.)(Information Technology Engg.) Sem–II (New w.e.f.Oct.2023) (CBCSPATTERN) Time: 3:00 pm to 6:00 pm
Wednesday 22/01/2025	323	Management Information System (197046801)
Thursday 23/01/2025	324	Information Assurance and Security (197046802)
Friday 24/01/2025	325 326	Elective-IV a) Big Data Analytics (197046805) b) Cloud Computing (197046806)
Saturday 25/01/2025	327 328	Elective–V a) Natural Language Processing (197046807) b) Information Retrieval (197046808)

Day & Date	Sr. No.	Fourth. Y. (B.Tech.)(Information Technology Engg.) Sem–II (w.e.f.Oct.2021) (CBCSPATTERN) (Old up to OCT.2024) Time: 3:00 pm to 6:00 pm
Wednesday 22/01/2025	329	Management Information System(197046801)
Thursday 23/01/2025	330	Information Assurance and Security(197046802)
Friday 24/01/2025	331 332	Elective-IV a) Big Data Analytics (197046805) b) Cloud Computing(197046806)
Saturday 25/01/2025	333 334	Elective–V a) Natural Language Processing(197046807) b) Information Retrieval(197046808)

Day & Date	Sr. No.	T.Y.(B.Tech.)(Electrical Engg.)Sem–I(New w.e.f.June2022) (CBCS 2020 PATTERN) Time:10:00 pm to 1:00pm
Wednesday 01/01/2025	335	Power System-III(BTN07501)
Friday 03/01/2025	336	Linear Control System(BTN07502)
Monday 06/01/2025	337	Advanced Microcontroller System (BTN07503)
Wednesday 08/01/2025	338	Electromagnetic Engineering (BTN07504)
Saturday 11/01/2025	339 340 341 342	**Open Elective-I** a) Information Technology& Management(BTN07512) b) Advanced Electrical Machines (BTN07513) c) Business Ethics(BTN07514) d) Managerial Economics(BTN07515)
Thursday 16/01/2025	343 344	**Honors Degree** 1. Smart Energy Management System (BTN07516) 2. Electric Motors and Controls for Electric Vehicle (BTN07517)
Monday 20/01/2025	345 346 347 348 349	**Self Learning** 1.Economics(BTN07506) 2. Intellectual Property Rights for Technology Development and Management(BTN07507) 3. Introduction to Sociology(BTN07508) 4. Stress and Coping(BTN07509) 5. Professional Ethics&Human Value(BTN07510) Time:10:00 am to 12:00 pm

Day&Date	Sr. No.	T.Y.(B.Tech.)(Electrical Engg.)Sem–II(New w.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:10:00 am to 1:00 pm
Wednesday 22/01/2025	350	Electrical Machine Design (BTN07601)
Thursday 23/01/2025	351	Electrical Utilization(BTN07602)
Friday 24/01/2025	352	Power Electronics& Industrial Drives (BTN07603)
Saturday 25/01/2025	353	Advanced Control Systems(BTN07604)
Monday 27/01/2025	354 355 356 357	**Open Elective-I** a) Operating Systems(BTN07606) b) Renewable Energy Sources(BTN07607) c) Fiber Optic Communication(BTN07608) d) Sensors & Applications(BTN07609)
Tuesday 28/01/2025	358 359 360	**Self Learning** 1. **Hybrid Electric Vehicle Design** (BTN07610) 2. Electrical Safety(BTN07611) 3. Solar Photovoltaic System Design& Installation(BTN07612) Time:10:00 am to 12:00 pm
Wednesday 29/01/2025	361 362	Honars Subject. 1. Energy Management System for Electric Vehicle(BTN07614) 2. Distributed Energy Integration (BTN07613)

Day&Date	Sr. No.	T.Y.(B.Tech.)(Mechanical Engg.)Sem–II(w.e.f.Nov.2020-21) (CBCS 2020 PATTERN) Time:10:00 amto 1:00pm
Sunday 12/01/2025	507	Electrical Utilization (197045602)

SUS/EXAM/APR-२०१९

Day & Date	Sr. No.	Fourth.Y. (B.Tech.) (Electrical Engg.)Sem–I (New w.e.f.June2023) (CBCS 2020 PATTERN) Time:10:00 am to 1:00pm
Thursday 02/01/2025	363	Power Quality and FACTS (BTN07701)
Saturday 04/01/2025	364	Signals and System (BTN07702)
Tuesday 07/01/2025	365	Switchgear and Protection (BTN07703)
Thursday 09/01/2025	366 367 368 369 370 371	**Professional Elective-I** a) High Voltage Engineering (BTN07706) b) Power System and Operation Control (BTN07707) C) Programmable Logic Control and SCADA (BTN07708) D) Instrumentation Process Control & Robotics (BTN07709) E) Neural Networks & Fuzzy Logic Control (BTN07710) F) Smart Grid Technology (BTN07721)
Wednesday 15/01/2025	372 373 374 375 376 377	**Professional Elective-II** a) Power System Planning (BTN07711) b) Extra High Voltage AC Transmission (BTN07712) c) Special Purpose Machines and their control (BTN07713) d) Advanced Electrical Drives (BTN07714) e) Advanced Applications in Solar Energy Technology (BTN07715) f) Electric and Hybrid Vehicle (BTN07716)
Friday 17/01/2025	378 379	**Honors Subject** a) Testing & Certification of Electric & Hybrid vehicles (BTN07719) b) AI Application to Power system management (BTN07717)

Day &Date	Sr. No.	Fourth.Y.(B.Tech.)(Electrical **Engg.**)Sem–II<mark>(Neww.e.f.Nov.2023)</mark> (CBCSPATTERN) Time: 3:00 pm to 6:00 pm
Wednesday 22/01/2025	388 389 390	**Self Learning Module-III** **a**) Electrical Estimation, Installation, and Testing (BTN07802) b) Mechatronics (BTN07803) c) Alternate Energy Systems (BTN07804)
Thursday 23/01/2025	391 392 393	**Self Learning Module-IV** a) Electrical Energy Audit and Management (BTN07805) b) High Voltage DC Transmission (BTN07806) c) Illumination Engineering (BTN07807)

Day & Date	Sr. No.	Fourth.Y.(B.Tech.)(Electrical **Engg.**)Sem–II(Neww.e.f.Nov.2021) (CBCSPATTERN) (Old up to OCT.2024) Time: 3:00 pm to 6:00 pm
Wednesday 22/01/2025	394	Power Quality& FACTS (197045801)
Thursday <mark>30/01/2025</mark>	395	<mark>Extra High Voltage AC Transmission(197045802)</mark>
Friday 24/01/2025	396 397 398 399	**Elective-II** a) Power System Planning(197045804) b) Neural Network& Fuzzy Logic(197045805) c) Advance Electrical Drives(197045806) d)Smart Grid Technology(197045807)
Saturday 25/01/2025	400 401 402 403	**Elective-III** a) Advance Control Engineering(197045808) b) Electrical Estimation and Installation(197045809) c) Instrumentation Process Control & Robotics(197045810) d) Power System Dynamics and stability(197045811)

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Date: 07/01/2025