



PUNYASHLOKAHILYADEVIHOLKAR SOLAPUR UNIVERSITY, SOLAPUR

EXAM OF 2024**SEMESTER PATTERN EXAMINATION**

RE-REVISED FINAL PROGRAM OF THE BACHELOR OF TECHNOLOGY(B.TECH.) EXAMINATIONS IN THE BRANCHES

- [1] CIVIL ENGINEERING [2] MECHANICAL ENGINEERING [3] ELECTRONICS ENGINEERING
[4] ELECTRONICS & TELE-COMM. [5] COMPUTER SCI & ENGG [6] INFORMATION TECHNOLOGY
[7] ELECTRICAL ENGINEERING

**MAR/APR.-2024 EXAMINATION TO BE HELD IN
MAY-2024**

- 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 in to 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 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.Navale Sinhgad College of Engg., Kegaon
4	Pandharpur	COEP	SVERI College of Engineering, Pandharpur
5		SCOEK	S.K.N.Sinhgad College of Engg. Korti
6	Akluj	SMPIT	S.M.Shankarrao Mohite-Patil Inst. of Tech. and Research, Akluj
7	Barshi	MITCORER	MIT College of Railway Engineering and Research, Jamgaon, Barshi

Day&Date	Sr. No.	T.Y.(B.Tech.)(CivilEngg.)Sem-I(Neww.e.f.June.2022) (CBCS 2020 PATTERN) Time:10:00 am to 1:00pm
Monday 13/05/2024	1	Design of Steel Structures (BTN01501)
Tuesday 14/05/2024	2	Geotechnical Engineering (BTN01502)
Wednesday 15/05/2024	3	Highway and Tunnel Engineering (BTN01503)
Thursday 16/05/2024	4	Hydrology and Water Resources Engineering(BTN01504)
Friday 17/05/2024	5	Design of Concrete Structures I (BTN01505)
Saturday 18/05/2024	6	Environmental Engineering-II (BTN01506)
Sunday 19/05/2024	7 8 9 10	<u>Honors Degree</u> 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 20/05/2024	11 12 13 14 15	<u>Self Learning</u> 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(Neww.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:3:00 pm to 6:00 pm
Tuesday 21/05/2024	16	Foundation Engineering(BTN01601)
Friday 24/05/2024	17	Hydraulic Structures& Water Power Engg (BTN01602)
Monday 27/05/2024	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)
Wednesday 29/05/2024	30	Design of Concrete Structures II (BTN01603)
Friday 31/05/2024	31	Principles of Management and Quantitative Techniques (BTN01604)
Monday 03/06/2024	32	Railway, Airport & Harbour Engineering (BTN01605)
Wednesday 05/06/2024		<u>Honors Degree</u>
	33	1. Disaster Preparedness and Response(BTN01620)
	34	2. Roads and Highway Project Development(BTN01621)
	35	3. Sustainable Materials and Green Buildings (BTN01622)
36	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:3.00 pm. to 6:00 pm.
Wednesday 15/05/2024	37	Estimating, Costing and Valuation (BTN01701)
Thursday 16/05/2024	38	Earthquake Engineering (BTN01702)
Friday 17/05/2024	39	Construction Management and Practices (BTN01703)
Saturday 18/05/2024	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)
Sunday 19/05/2024	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-I(Neww.e.f.June2021) (CBCSPATTERN) (Old up to MAR-2024) Time:3.00 pm. to 6.00pm.
Wednesday 15/05/2024	54	Engineering Economics, Estimation& Costing(197042701)
Thursday 16/05/2024	55	Construction Engineering, Management & Construction Practices(197042702)
Friday 17/05/2024	56	Design of Concrete Structures-II(197042703)
Saturday 18/05/2024	57	Earthquake Engineering(197042704)
Sunday 19/05/2024	58 59 60 61 62 63 64 65 66	Professional Elective-II a) Metal Structure Behavior-I(197042709) b) Advanced Structural Analysis(197042710) c) Finite Element Method(197042711) d) Traffic Engineering and Management(197042712) f) Geosynthetics and soil structures(197042713) g) Advanced Railway Track(197042714) h) Construction Productivity(197042715) i) Environmental Systems(197042716) j) Water Power Engineering(197042717)

Day & Date	Sr. No.	Fourth.Y.(B.Tech.)(CivilEngg.)Sem-II (New w.e.f.June2023) (CBCS 2020 PATTERN) Time:3.00 pm. to 6.00pm
Thursday 09/05/2024	67	Professional Practice, Law & Ethics
Saturday 11/05/2024	68 69 70 71 72 73 74	Professional Elective Course- III a) Repairs & Rehabilitation of Structures b) Industrial Structures (c) Urban Transportation Planning.(d) Ground improvement Techniques e) Cost Management of Engineering Projects) f) Disaster Management g) Water and Air Quality Modelling(
Monday 13/05/2024	75 76 77 78	Self Learning Technical Course (Elective) a) Concrete composites b) Rural Roads c) TQM and MIS in Civil Engineering d) Planning for Sustainable Development

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
Thursday 09/05/2024	79 80 81 82 83 84 85 86 87 88	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)
Friday 10/05/2024	89 90 91 92 93 94 95 96 97 98	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)
Saturday 11/05/2024	99	Railway &Harbour Engineering (197042801)
Monday 13/05/2024	100	Open Elective-III :Economic policies in India(197042802)
Tuesday 14/05/2024	101	Professional Practice, Law& Ethics(197042803)

Day&Date	Sr. No.	T.Y.(B.Tech.)(MechanicalEngg.)Sem-I(Neww.e.f.June2022) (CBCS 2020 PATTERN) Time:10.00 am to 1:00pm
Monday 13/05/2024	102	Design of Machine Elements (BTN02501)
Tuesday 14/05/2024	103	CAD-CAM-CAE (BTN02502)
Wednesday 15/05/2024	104	Metallurgy(BTN02503)
Thursday 16/05/2024	105	Industrial Engineering(BTN02504)
Friday 17/05/2024	106 107 108 109	Professional Elective-III a) GAS TURBINES(BTN02514) b) : Tool Engineering(BTN02515) c) Industrial Hydraulics & Pneumatics(BTN02516) d) Mechanical Vibrations(BTN02517)
Saturday 18/05/2024	110 111 112 113	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 20/05/2024	114 115 116 117 118	Self Learning 1.Economics(BTN02508) 2.IntellectualProperty 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(Neww.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:3:00 am to 6:00pm
Tuesday 21/05/2024	119	Transmission System Design(BTN02601)
Friday 24/05/2024	120	Instrumentation and Control Engineering(BTN02602)
Monday 27/05/2024	121	Heat Transfer(BTN02603)
Wednesday 29/05/2024	122	Industrial & Quality Management(BTN02604)
Friday 31/05/2024	123 124 125 126	Professional Elective-IV A) Project Management(BTN02608) B)Industrial Product Design(BTN02609) C)Plastic Engineering(BTN02610) D) Railway Transportation System (BTN02611)
Monday 03/06/2024	127 128 129 130	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.	Fourth.Y.(B.Tech.)(Mechanical Engg.)Sem-I(Neww.e.f.June2023) (CBCS 2020 PATTERN) Time: 3.00pm to6.00pm
Wednesday 15/05/2024	131	Refrigeration and Air Conditioning(BTN02701)
Thursday 16/05/2024	132	Automobile Engineering(BTN02702)
Friday 17/05/2024	133	Automation and Robotics (BTN02703)
Saturday 18/05/2024	134 135 136 137 138	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)
Sunday 19/05/2024	139 140 141 500	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)
Monday 20/05/2024	142 143 144 145 146	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.	Fourth.Y.(B.Tech.)(MechanicalEngg.)Sem-I(w.e.f.June2021) (CBCSPATTERN) (Old up to MAR-2024) Time:3.00pm to 6.00pm
Wednesday 15/05/2024	147	Refrigeration and Air Conditioning(197041701)
Thursday 16/05/2024	148	Automobile Engineering(197041702)
Friday 17/05/2024	149	Robotics and Artificial Intelligence(197041703)
Saturday 18/05/2024	150 151 152 153 154 155	Professional Elective-V a)Production and Operations Management(197041706) b)Computational Fluid Dynamics(197041707) c)Process Engineering (197041708) d)Finite Element Method(197041709) e) Tribology (197041710) f) Railway Systems Management(197041711)
Sunday 19/05/2024	156 157 158 159 160 161	Open Elective a) Costing and Cost Control(197041712) b) Entrepreneurship Development (197041713) c) Business Development (197041714) d) Product Life Cycle Management(197041715) e) Business Economics(197041716) f) Reliability Engineering(197041717)

Day&Date	Sr. No.	T.Y. (B.Tech.) (Electronics Engg.) Sem– I (Neww.e.f. NOV. 2022) (CBCS 2020 PATTERN) Time:10.00am to1.00pm
Monday 13/05/2024	162	Digital Communication(BTN04501)
Tuesday 14/05/2024	163	Digital Signal Processing(BTN04502)
Wednesday 15/05/2024	164	Microcontrollers(BTN04503)
Thursday 16/05/2024	165 166 167 168	Open Elective- I a) Information Technology and Management(BTN04513) b) Managerial Economics(BTN04514) c) Project Management and Operation Research(BTN04515) d) Business Ethics(BTN04516)
Friday 17/05/2024	169 170 171	Honors Degree a) Artificial Intelligence(BTN04517) b) Data Processing & Feature Engineering(BTN04518) c) Industrial IoT(BTN04519)
Monday 20/05/2024	172 173 174 175 176	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: 3:00 pm to 6:00 pm
Tuesday 21/05/2024	177	Computer Networks(BTN04601)
Friday 24/05/2024	178	Embedded Systems(BTN04602)
Monday 27/05/2024	179	VLSI Design(BTN04603)
Wednesday 29/05/2024	180 181 182	Professional Elective-I a) Image Processing(BTN04609) b) Computer Organization(BTN04610) c) Multimedia Systems(BTN04611)
Friday 31/05/2024	183 184 185 186	Open Elective-II A)OPERATINGSYSTEMS(BTN04605) b) Sensors and Applications(BTN04606) c) Open Source Technologies(BTN04607) d) Power System Planning(BTN04608)
Monday 03/06/2024	187 188 189	Honors Degree a) AI/ML -Machine Learning(BTN04612) b) Data Science Machine Learning(BTN04613) c) IoT Cloud Platform(BTN04614)

Day&Date	Sr. No.	Fourth.Y.(B.Tech.)(ElectronicsEngg.)Sem–I(Neww.e.f.June2023) (CBCS 2020 PATTERN) Time: 3.00 pm to 06.00pm
Wednesday 15/05/2024	190	Advanced Communication Engineering (BTN04701)
Thursday 16/05/2024	191	Power Electronics (BTN04702)
Friday 17/05/2024	192	Mobile Technology (BTN04703)
Saturday 18/05/2024	193 194 195	Elective-I a) CMOS VLSI Design (BTN04706) b) PLC and Industrial Controllers (BTN04707) c) Software Engineering (BTN04708)
Sunday 19/05/2024	196 197 198	Honors 1. AI Applications () 2. Data Science- Business Intelligence () 3. IOT- Architecting IOT Solutions ()

Day&Date	Sr. No.	Fourth.Y.(B.Tech.)(ElectronicsEngg.)Sem-I(w.e.f.June2021) (CBCSPATTERN) (Old up to MAR-2024) Time: 3.00 pm to 06.00pm
Wednesday 15/05/2024	199	Power Electronics(197047701)
Thursday 16/05/2024	200	CMOSVLSI Design(197047702)
Friday 17/05/2024	201	Mobile Technology(197047703)
Saturday 18/05/2024	202	Internet of Things(197047704)
Sunday 19/05/2024	203 204 205	Professional Elective-II a) Image Processing(197047707) b) Mechatronics (197047708) c) Database Management Systems(197047709)

Day & Date	Sr. No.	Fourth.Y. (B.Tech.)(Electronics Engg.)Sem-II(New w.e.f.Oct.2023) (CBCSPATTERN) Time:3.00pm to6.00pm
Thursday 09/05/2024	206 207 208	Professional Elective-III a) Speech Processing b) Mechatronics c) Cloud Computing
Saturday 11/05/2024	209 210 211 212	Self-Learning II – Technical a) Electronic Instrumentation b) Biomedical Instrumentation c) Cyber Security d) Approved MOOC Course (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
Thursday 09/05/2024	213	Advanced Communication Engineering(197047801)
Friday 10/05/2024	214	Audio Video Systems(197047802)
Saturday 11/05/2024	215 216 218	Elective-II a) Speech processing(197047804) b) PLC and Industrial Controllers (197047805) c) Data Analytics(197047806)
Monday 13/05/2024	219 220 221	Elective-III a) Broadb and Communication(197047807) b) Biomedical Instrumentation(197047808) c) Computer Architecture(197047809)

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
Monday 13/05/2024	222	Artificial Intelligence(BTN03501)
Tuesday 14/05/2024	223	Operating Systems (BTN03502)
Wednesday 15/05/2024	224	Database Engineering (BTN03503)
Thursday 16/05/2024	225	Design and Analysis of Algorithm (BTN03504)
Friday 17/05/2024	226 227 228	Honors Degree a) Reinforcement Learning (BTN03512) b) Data Preprocessing & Visualization (BTN03513) c) Network Security and Secure Coding (BTN03514)
Monday 20/05/2024	229 230 231 232 233	Self Learning 1.Economics(BTN03506) 2. IntellectualPropertyRightsforTechnologyDevelopmentandM anagement(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: 3:00 am to 6:00 pm
Tuesday 21/05/2024	234	System Programming(BTN03601)
Friday 24/05/2024	235	Internet of Things (BTN03602)
Monday 27/05/2024	236	Software Engineering (BTN03603)
Wednesday 29/05/2024	237 238 239	Professional Elective-I a) Cloud Computing (BTN03606) b) Augmented Reality/Virtual Reality (BTN03607) c) Network Security (BTN03608)
Friday 31/05/2024	240 241 242	Open Elective a) Principles of Management : Practicing Ethics, Responsibility, Management(BTN03609) b) Engineering Economics and Management (BTN03610) c) Disaster Management (BTN03611)
Monday 03/06/2024	243 244 245	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(Neww.e.f.June2023) (CBCS 2020 PATTERN) Time: 3:00 pm to 6:00 pm
Wednesday 15/05/2024	246	Software Testing and Quality Assurance (BTN03701)
Thursday 16/05/2024	247	Compiler Construction (BTN03702)
Friday 17/05/2024	248 249 250 251	Elective-II a) Business Intelligence (BTN03706) b) Data Mining (BTN03707) c) Distributed Systems (BTN03708) d) Management Information System (BTN03709)
Saturday 18/05/2024	252 253 254	Elective-III a) Human Computer Interaction (BTN03710) b) Big Data Analytics (BTN03711) c) Information Retrieval (BTN03712)
Sunday 19/05/2024	255 256 257	Honors Degree a) Deep Learning (BTN03713) b) Predictive Analytics (BTN03715) c) Information Auditing and monitoring (BTN03717)
Monday 20/05/2024	258 259	Self Learning 1.UI/UX Technology() 2.SoftwareLicencesandPractices() Time: 3:00 pm to 5:00 pm

Day&Date	Sr. No.	Fourth.Y.(B.Tech.)(Computer and Engg.)Sem-I(w.e.f.June2021) (CBCSPATTERN) (Old up to MAR-2024) Time: :3:00 pm to 6:00 pm
Wednesday 15/05/2024	260	Distributed Systems(197043701)
Thursday 16/05/2024	261	Machine Learning(197043702)
Friday 17/05/2024	262	Modern Database System(197043703)
Saturday 18/05/2024	263 264 265	Elective-II a) Internet of Things(197043707) b) Software Testing and Quality Assurance(197043708) c) Adhoc and Sensor Networks(197043709)
Sunday 19/05/2024	266 267 268	Elective-III a) Business Intelligence(197043710) b) –Data Mining(197043711) c) Real Time Systems(197043712)

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
Thursday 09/05/2024	269	Management Information System(197043801)
Friday 10/05/2024	270	Information & Cyber Security(197043802)
Saturday 11/05/2024	271 272	Elective-IV a) –Bigdata Analytics (197043805) b) Natural Language Programming(197043806)
Monday 13/05/2024	273 274	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
Monday 13/05/2024	275	Electromagnetic Field Theory(BTN06501)
Tuesday 14/05/2024	276	Microcontrollers and Applications(BTN06502)
Wednesday 15/05/2024	277	Digital Signal Processing(BTN06503)
Thursday 16/05/2024	278 279 280 281	Open Elective-I a) Managerial Economics(BTN06511) b) Project Management and Operation Research(BTN06512) c) Information Technology and Management(BTN06513) d) Business Ethics(BTN06514)
Friday 17/05/2024	282 283 284 285 286	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 20/05/2024	287 288 289 290 291	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 12:00 pm

Day& Date	Sr No	<u>T.Y. B. Tech. (Electronics&TelecommunicationEngg Sem– II</u> (Neww.e.f.Nov.2022) (CBCS 2020 PATTERN) Time: 3:00 am to 6:00 pm
Tuesday 21/05/2024	292	Antenna& Wave Propagation(BTN06601)
Friday 24/05/2024	293	Embedded System(BTN06602)
Monday 27/05/2024	294	Electronic System Design(BTN06603)
Wednesday 29/05/2024	295 296 297	Professional Elective-I a) Optical Fiber Communication(BTN06609) b) . Image and Video Processing(BTN06610) c) Multimedia Communication Technology(BTN06611)
Friday 31/05/2024	298 299 300 301	Open Elective-II a) Sensors and Applications(BTN06605) b) Open Source Technologies(BTN06606) c) Operating Systems(BTN06607) d) Power System Planning(BTN06608)
Monday 03/06/2024	302 303 304 305 306	<u>Honors Degree</u> a) AI/ML -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&TEngg.)Sem-I(Neww.e.f.June2023) (CBCS 2020 PATTERN) Time: 3:00 pm to 6:00 pm
Wednesday 15/05/2024	307	Microwave Engineering (BTN06701)
Thursday 16/05/2024	308	Data Communication (BTN06702)
Friday 17/05/2024	309	VLSI Design (BTN06703)
Saturday 18/05/2024	310 311 312	Professional Elective-II a) PLC and Industrial Controllers (BTN06707) b) Mobile Communication (BTN06708) c) DSP Processor and application (BTN06709)
Sunday 19/05/2024	313 314 315 316 317	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)
Monday 20/05/2024	318	Research Methodology

Day&Date	Sr. No.	Fourth.Y.(B.Tech.)(E&TEngg.)Sem-I(w.e.f.June2021) (CBCSPATTERN) (Old up to MAR-2024) Time: 3:00 pm to 6:00 pm
Wednesday 15/05/2024	319	Machine Learning(197044701)
Thursday 16/05/2024	320	Data Communication(197044702)
Friday 17/05/2024	321	Internet of Things(197044703)
Saturday 18/05/2024	322	Database Management System(197044704)
Sunday 19/05/2024	323 324	Elective-II a) Image &Video Processing(197044707) b) Wireless Sensor Network(197044708)

Day & Date	Sr. No.	Fourth.Y.(B.Tech.) (E&TEngg.)Sem-II(Neww.e.f.Oct.2023) (CBCSPATTERN) Time: 3:00 pm to 6:00 pm
Thursday 09/05/2024	325 326 327	Professional Elective-III a. Wireless Sensor Networks b. Satellite Communication c. Software Defined Radio Time: 3:00 pm to 5:00 pm
Saturday 11/05/2024	328 329 330 331	Self Learning Module-II a. Electric Vehicles b. Mechatronics c. Biomedical Instrumentation d. MOOC / University Defined Courses) 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
Thursday 09/05/2024	332	Microwave Engineering(197044801)
Friday 10/05/2024	333	CMOSVLSI Design(197044802)
Saturday 11/05/2024	334 335	Elective-III d. Industrial IOT(197044804) e. Artificial Intelligence and Applications(197044805)
Monday 13/05/2024	336 337	Elective-IV e. Network Security(197044806) f. Data Analytics(197044807)

Day&Date	Sr. No.	T.Y.(B.Tech.)(Information Technology)Sem-I(New w.e.f.June2022) (CBCSPATTERN 2020) Time:10.00 am to 1:00 pm
Monday 13/05/2024	338	System Software(BTN05501)
Tuesday 14/05/2024	339	Operating Systems(BTN05502)
Wednesday 15/05/2024	340	Database Engineering(BTN05503)
Thursday 16/05/2024	341	Design and Analysis of Algorithms(BTN05504)
Friday 17/05/2024	342 343 344	Honors Degree a)Reinforcement Learning(BTN05512) b) Data Preprocessing & Visualization(BTN05513) c) Network Security and Secure Coding(BTN05514)
Monday 20/05/2024	345 346 347 348 349	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 (Neww.e.f.Nov.2022) (CBCS 2020 PATTERN) Time: 3:00 am to 6:00 pm
Tuesday 21/05/2024	350	Artificial Intelligence(BTN05601)
Friday 24/05/2024	351	Object Oriented Modeling & Design(BTN05602)
Monday 27/05/2024	352	Software Engineering(BTN05603)
Wednesday 29/05/2024	353 354 355	Professional Elective – I a) Cloud Computing(BTN05606) b) Augmented Reality/Virtual Reality(BTN05607) c) Network Security(BTN05608)
Friday 31/05/2024	356 357 358	Open Elective a) Principles of Management: Practicing Ethics, Responsibility, Sustainability(BTN05609) b) Engineering Economics and Management(BTN05610) c) Disaster Management(BTN05611)
Monday 03/06/2024	359 360 361	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 (w.e.f.June2021) (Old up to MAR-2024) (CBCSPATTERN) Time: 3:00 pm to 6:00 pm
Wednesday 15/05/2024	362	Machine Learning(197046701)
Thursday 16/05/2024	363	Advanced Database System(197046702)
Friday 17/05/2024	364	Software Testing and Quality Assurance(197046703)
Saturday 18/05/2024	365	Distributed Systems(197046704)
Sunday 19/05/2024	366 367 368	Elective-II a) Data Mining(197046707) b) Internet Of Things(197046708) C)Business Intelligence(197046709)

Day&Date	Sr. No.	Fourth.Y.(B.Tech.)(InformationTechnologyEngg.)Sem-I (Neww.e.f.June2023) (CBCS 2020 PATTERN) Time:3:00 pm to 6:00 pm
Wednesday 15/05/2024	369	Cyber Security (BTN05701)
Thursday 16/05/2024	370	Management Information Systems (BTN05702)
Friday 17/05/2024	371 372 373	Professional Elective-II a) Internet of Things(BTN05706) b) Distributed Systems (BTN05707) C)Blockchain Technology (BTN05708)
Saturday 18/05/2024	374 375 376	Professional Elective-III a) Human Computer Interaction (BTN05709) b) Big Data Analytics (BTN05710) c) Information Retrieval (BTN05711)
Sunday 19/05/2024	377 378 379	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 (w.e.f.Oct.2021) (CBCSPATTERN) (Old up to OCT.2024) Time: 3:00 pm to 6:00 pm
Thursday 09/05/2024	386	Management Information System(197046801)
Friday 10/05/2024	387	Information Assurance and Security(197046802)
Saturday 11/05/2024	388 389	Elective-IV a) Big Data Analytics (197046805) b) Cloud Computing(197046806)
Monday 13/05/2024	390 391	Elective-V a) Natural Language Processing(197046807) b) Information Retrieval(197046808)

Day&Date	Sr. No.	T.Y.(B.Tech.)(ElectricalEngg.)Sem-I(Neww.e.f.June2022) (CBCS 2020 PATTERN) Time:10:00 pm to 1:00pm
Monday 13/05/2024	392	Power System-III(BTN07501)
Tuesday 14/05/2024	393	Linear Control System(BTN07502)
Wednesday 15/05/2024	394	Advanced Microcontroller System (BTN07503)
Thursday 16/05/2024	395	Electromagnetic Engineering (BTN07504)
Friday 17/05/2024	396 397 398 399	Open Elective-I a) Information Technology& Management(BTN07512) b) Advanced Electrical Machines (BTN07513) c) Business thics(BTN07514) d) Managerial Economics(BTN07515)
Saturday 18/05/2024	400 401	Honors Degree 1. Smart Energy Management System (BTN07516) 2. Electric Motors and Controls for Electric Vehicle (BTN07517)
Monday 20/05/2024	402 403 404 405 406	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.	<u>T.Y.(B.Tech.)(Electrical Engg.)Sem-II(Neww.e.f.Nov.2022)</u> (CBCS 2020 PATTERN) Time:3:00 pm to 6:00 pm
Tuesday 21/05/2024	407	Electrical Machine Design (BTN07601)
Friday 24/05/2024	408	Electrical Utilization(BTN07602)
Monday 27/05/2024	409	Power Electronics& Industrial Drives (BTN07603)
Wednesday 29/05/2024	410	Advanced Control Systems(BTN07604)
Friday 31/05/2024	411 412 413 414	Open Elective-I a) Operating Systems(BTN07606) b) Renewable Energy Sources(BTN07607) c) Fiber Optic Communication(BTN07608) d) Sensors & Applications(BTN07609)
Monday 03/06/2024	415 416 417	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 5/06/2024	418 419	<u>Honars Subject.</u> 1. Energy Management System for Electric Vehicle(BTN07614) 2. Distributed Energy Integration (BTN07613)

Day & Date	Sr. No.	Fourth.Y. (B.Tech.) (Electrical Engg.)Sem-I (New w.e.f.June2023) (CBCS 2020 PATTERN) Time:3:00 pm to 6:00 pm.
Wednesday 15/05/2024	420	Power Quality and FACTS (BTN07701)
Thursday 16/05/2024	421	Signals and System (BTN07702)
Friday 17/05/2024	422	Switchgear and Protection (BTN07703)
Saturday 18/05/2024	423 424 425 426 427 428	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)
Sunday 19/05/2024	429 430 431 432 433 434	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)
Monday 20/05/2024	435 436	Honors Subject a) Testing & Certification of Electric & Hybrid vehicles b) AI Application to Power system management

Day&Date	Sr. No.	Fourth.Y.(B.Tech.)(Electrical Engg.)Sem-I(w.e.f.June2021) (CBCSPATTERN) (Old up to MAR-2024) Time: 3:00 pm to 6:00 pm
Wednesday 15/05/2024	437	Industrial Drives Control(197045701)
Thursday 16/05/2024	438	Power System and Operation Control(197045702)
Friday 17/05/2024	439	Renewable Energy Sources(197045703)
Saturday 18/05/2024	440	Switchgear and Protection(197045704)
Sunday 19/05/2024	441 442 443 444	Elective-I a) Energy Audit and Management(197045707) b) Digital Signal Processing(197045708) c) Programmable Logic Control and SCADA(197045709) d) High Voltage Engineering(197045710)

Day & Date	Sr. No.	T.Y.(B.Tech.)(Electrical Engg.)Sem-II (w.e.f.June2021) (CBCS PATTERN) Time: 3:00 pm to 6:00 pm
Wednesday 05/06/2024	550	Elective-I Digital Signal Processing(197045708)

Day&Date	Sr. No.	Fourth.Y.(B.Tech.)(Electrical Engg.)Sem-II(Neww.e.f.Nov.2023) (CBCSPATTERN) Time: 3:00 pm to 6:00 pm
Thursday 09/05/2024	501 502 503	Self Learning Module-III a) Electrical Estimation, Installation, and Testing b) Mechatronics c) Alternate Energy Systems
Saturday 11/05/2024	445 446 447	Self Learning Module-IV a) Electrical Energy Audit and Management b) High Voltage DC Transmission c) Illumination Engineering

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
Thursday 09/05/2024	448	Power Quality &FACTS (197045801)
Friday 10/05/2024	449	Extra High Voltage AC Transmission(197045802)
Saturday 11/05/2024	450 451 452 453	Elective-II a) Power System Planning(197045804) b) Neural Network &Fuzzy Logic(197045805) c) Advance Electrical Drives(197045806) d)Smart Grid Technology(197045807)
Monday 13/05/2024	454 455 456 457	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: 29/05/2024