



# PUNYASHLOKAHILYADEVIHOLKAR SOLAPURUNIVERSITY, SOLAPUR

**EXAM OF 2024****SEMESTER PATTERN EXAMINATION**

## **DRAFT 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 examination 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.	<b>T.Y.(B.Tech.)(CivilEngg.)Sem-I(Neww.e.f.June.2022)</b> <b>(CBCS 2020 PATTERN)</b> <b>Time:10:00 am to 1:00pm</b>
Monday 20/05/2024	1	Design of Steel Structures (BTN01501)
Tuesday 21/05/2024	2	Geotechnical Engineering (BTN01502)
Wednesday 22/05/2024	3	Highway and Tunnel Engineering (BTN01503)
Friday 24/05/2024	4	Hydrology and Water Resources Engineering(BTN01504)
Saturday 25/05/2024	5	Design of Concrete Structures I (BTN01505)
Monday 27/05/2024	6	Environmental Engineering-II (BTN01506)
Tuesday 28/05/2024	7 8 9 10	<b><u>Honors Degree</u></b> 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)
Wednesday 29/05/2024	11 12 13 14 15	<b><u>Self Learning</u></b> 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) <b>Time:10:00 am to 12:00 pm</b>

Day&Date	Sr. No.	T.Y.(B.Tech.)(CivilEngg.)Sem– II( <b>Neww.e.f.Nov.2022</b> ) (CBCS 2020 PATTERN) <b>Time:3:00 pm to 6:00 pm</b>
Thursday 30/05/2024	16	Foundation Engineering(BTN01601)
Saturday 01/06/2024	17	Hydraulic Structures &Water Power Engg (BTN01602)
Tuesday 04/06/2024	18	<b>Professional Elective-I</b> 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)
Thursday 06/06/2024	30	Design of Concrete Structures II (BTN01603)
Saturday 08/06/2024	31	Principles of Management and Quantitative Techniques (BTN01604)
Tuesday 11/06/2024	32	Railway, Airport &Harbour Engineering (BTN01605)
Thursday 13/06/2024		<b><u>Honors Degree</u></b>
	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.	<b>Fourth.Y.(B.Tech.)(CivilEngg.)Sem-I (New w.e.f.June2023)</b> <b>(CBCS 2020 PATTERN)</b> <b>Time:3.00 pm. to 6:00 pm.</b>
<b>Monday</b> <b>20/05/2024</b>	37	Estimating, Costing and Valuation (BTN01701)
<b>Tuesday</b> <b>21/05/2024</b>	38	Earthquake Engineering (BTN01702)
<b>Wednesday</b> <b>22/05/2024</b>	39	Construction Management and Practices (BTN01703)
<b>Friday</b> <b>24/05/2024</b>	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)
<b>Saturday</b> <b>25/05/2024</b>	50 51 52 53	<b>Honors Degree</b> 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.	<b>Fourth.Y.(B.Tech.)(CivilEngg.)Sem-I(Neww.e.f.June2021)</b> <b>(CBCSPATTERN) (Old up to MAR-2024)</b> <b>Time:3.00 pm. to 6.00pm.</b>
Monday 20/05/2024	54	Engineering Economics, Estimation & Costing(197042701)
Tuesday 21/05/2024	55	Construction Engineering, Management & Construction Practices(197042702)
Wednesday 22/05/2024	56	Design of Concrete Structures-II(197042703)
Friday 24/05/2024	57	Earthquake Engineering(197042704)
Saturday 25/05/2024	58 59 60 61 62 63 64 65 66	<b>Professional Elective-II</b> 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.	<b>Fourth.Y.(B.Tech.)(CivilEngg.)Sem-II (New w.e.f.June2023)</b> <b>(CBCS 2020 PATTERN)</b> <b>Time:3.00 pm. to 6.00pm</b>
Monday 13/05/2024	67	Professional Practice, Law & Ethics
Wednesday 15/05/2024	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 (
Friday 17/05/2024	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

<b>Day&amp;Date</b>	<b>Sr. No.</b>	<b>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</b>
<b>Monday 13/05/2024</b>	79 80 81 82 83 84 85 86 87 88	<b>Professional Elective-III</b> 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)
<b>Wednesday 15/05/2024</b>	89 90 91 92 93 94 95 96 97 98	<b>Professional Elective-IV</b> 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)
<b>Friday 17/05/2024</b>	99	Railway & Harbour Engineering (197042801)
<b>Saturday 18/05/2024</b>	100	Open Elective-III :Economic policies in India(197042802)
<b>Saturday 25/05/2024</b>	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 20/05/2024	102	Design of Machine Elements (BTN02501)
Tuesday 21/05/2024	103	CAD-CAM-CAE (BTN02502)
Wednesday 22/05/2024	104	Metallurgy(BTN02503)
Friday 24/05/2024	105	Industrial Engineering(BTN02504)
Saturday 25/05/2024	106 107 108 109	<b>Professional Elective-III</b> a) GAS TURBINES(BTN02514) b) : Tool Engineering(BTN02515) c) Industrial Hydraulics & Pneumatics(BTN02516) d) Mechanical Vibrations(BTN02517)
Monday 27/05/2024	110 111 112 113	<b>Honors Degree</b> 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)
Tuesday 28/05/2024	114 115 116 117 118	<b>Self Learning</b> 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.)(MechanicalEngg.)Sem-II(Neww.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:3:00 am to 6:00pm
Thursday 30/05/2024	119	Transmission System Design(BTN02601)
Saturday 01/06/2024	120	Instrumentation and Control Engineering(BTN02602)
Tuesday 04/06/2024	121	Heat Transfer(BTN02603)
Thursday 06/06/2024	122	Industrial & Quality Management(BTN02604)
Saturday 08/06/2024	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)
Tuesday 11/06/2024	127 128 129 130	<b>Honors Degree</b> a) Industrial Networks and Controllers(BTN02612) b) 3D Printing Hardware & Software (BTN02613) c) Energy Conversion Systems(BTN02614) d) Battery Technology and Charging Infrastructure(BTN02615)



<b>Day&amp;Date</b>	<b>Sr. No.</b>	<b>Fourth.Y.(B.Tech.)(Mechanical Engg.)Sem-I(Neww.e.f.June2023) (CBCS 2020 PATTERN) Time: 3.00pm to6.00pm</b>
<b>Monday 20/05/2024</b>	131	Refrigeration and Air Conditioning(BTN02701)
<b>Tuesday 21/05/2024</b>	132	Automobile Engineering(BTN02702)
<b>Wednesday 22/05/2024</b>	133	Automation and Robotics (BTN02703)
<b>Friday 24/05/2024</b>	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)
<b>Saturday 25/05/2024</b>	139 140 141	<b>Honors Degree</b> 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)
<b>Tuesday 28/05/2024</b>	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.	<b>Fourth.Y.(B.Tech.)(MechanicalEngg.)Sem-I(w.e.f.June2021)</b> <b>(CBCSPATTERN) (Old up to MAR-2024)</b> <b>Time:3.00pm to 6.00pm</b>
<b>Monday</b> <b>20/05/2024</b>	147	Refrigeration and Air Conditioning(197041701)
<b>Tuesday</b> <b>21/05/2024</b>	148	Automobile Engineering(197041702)
<b>Wednesday</b> <b>22/05/2024</b>	149	Robotics and Artificial Intelligence(197041703)
<b>Friday</b> <b>24/05/2024</b>	150 151 152 153 154 155	<b>Professional Elective-V</b> 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)
<b>Monday</b> <b>27/05/2024</b>	156 157 158 159 160 161	<b>Open Elective</b> 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.	<b>T.Y. (B.Tech.) (Electronics Engg.) Sem– I (Neww.e.f. NOV. 2022)(CBCS 2020 PATTERN)</b> <b>Time:10.00am to1.00pm</b>
<b>Monday 20/05/2024</b>	162	Digital Communication(BTN04501)
<b>Tuesday 21/05/2024</b>	163	Digital Signal Processing( BTN04502)
<b>Wednesday 22/05/2024</b>	164	Microcontrollers( BTN04503)
<b>Friday 24/05/2024</b>	165 166 167 168	<b>Open Elective- I</b> a) Information Technology and Management(BTN04513) b) Managerial Economics(BTN04514) c) Project Management and Operation Research(BTN04515) d) Business Ethics(BTN04516)
<b>Saturday 25/05/2024</b>	169 170 171	<b>Honors Degree</b> a) Artificial Intelligence(BTN04517) b) Data Processing & Feature Engineering(BTN04518) c) Industrial IoT(BTN04519)
<b>Monday 27/05/2024</b>	172 173 174 175 176	<b>Self Learning</b> 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) <b>Time:10:00 am to 12:00 pm</b>

Day&Date	Sr. No.	<b>T.Y. (B.Tech.) (Electronics Engg.) Sem– II (Neww.e.f. NOV. 2022)(CBCS 2020 PATTERN)</b> <b>Time: 3:00 pm to 6:00 pm</b>
Thursday 30/05/2024	177	Computer Networks(BTN04601)
Saturday 01/06/2024	178	Embedded Systems(BTN04602)
Tuesday 04/06/2024	179	VLSIDesign(BTN04603)
Thursday 06/06/2024	180 181 182	<b>Professional Elective-I</b> a) Image Processing(BTN04609) b) Computer Organization(BTN04610) c) Multimedia Systems(BTN04611)
Saturday 08/06/2024	183 184 185 186	<b>Open Elective-II</b> A)OPERATINGSYSTEMS(BTN04605) b) Sensors and Applications(BTN04606) c) Open Source Technologies(BTN04607) d) Power System Planning(BTN04608)
Tuesday 11/06/2024	187 188 189	<b>Honors Degree</b> a) AI/MI -Machine Learning(BTN04612) b) Data Science Machine Learning(BTN04613) c) IoT Cloud Platform(BTN04614)

Day&Date	Sr. No.	<b>Fourth.Y.(B.Tech.)(Electronics Engg.)Sem–I(Neww.e.f.June2023)</b> <b>(CBCS 2020 PATTERN)</b> <b>Time: 10.00 am to 01.00pm</b>
Monday 20/05/2024	190	Advanced Communication Engineering (BTN04701)
Tuesday 21/05/2024	191	Power Electronics (BTN04702)
Wednesday 22/05/2024	192	Mobile Technology (BTN04703)
Friday 24/05/2024	193 194 195	<b>Elective-I</b> a) CMOS VLSI Design (BTN04706) b) PLC and Industrial Controllers (BTN04707) c) Software Engineering (BTN04708)
Saturday 25/05/2024	196 197 198	<b>Honors</b> 1. AI Applications () 2. Data Science- Business Intelligence () 3. IOT- Architecting IOT Solutions ()

Day&Date	Sr. No.	<b>Fourth.Y.(B.Tech.)(ElectronicsEngg.)Sem-I(w.e.f.June2021)</b> <b>(CBCSPATTERN) (Old up to MAR-2024)</b> <b>Time: 10.00 am to01.00pm</b>
<b>Monday</b> <b>20/05/2024</b>	199	Power Electronics(197047701)
<b>Tuesday</b> <b>21/05/2024</b>	200	CMOSVLSI Design(197047702)
<b>Wednesday</b> <b>22/05/2024</b>	201	Mobile Technology(197047703)
<b>Friday</b> <b>24/05/2024</b>	202	Internet of Things(197047704)
<b>Saturday</b> <b>25/05/2024</b>	203 204 205	<b>Elective-I</b> a) Image Processing(197047707) b) Mechatronics (197047708) c) Database Management Systems(197047709)

Day & Date	Sr. No.	<b>Fourth.Y. (B.Tech.)(Electronics Engg.)Sem-II(New w.e.f.Oct.2023)</b> <b>(CBCSPATTERN)</b> <b>Time:3.00pm to6.00pm</b>
<b>Monday</b> <b>13/05/2024</b>	206 207 208	<b>Elective-III</b> a) Speech Processing b) Mechatronics c) Cloud Computing
<b>Wednesday</b> <b>15/05/2024</b>	209 210 211 212	<b>Self-Learning II – Technical</b> a) Electronic Instrumentation b) Biomedical Instrumentation c) Cyber Security d) Approved MOOC Course ( Time:3.00pm to5.00pm)

<b>Day&amp;Date</b>	<b>Sr. No.</b>	<b>Fourth.Y.(B.Tech.)(ElectronicsEngg.)Sem-II(w.e.f.Oct.2021) (CBCSPATTERN) (Old up to OCT.2024) Time:3.00pm to6.00pm</b>
<b>Monday 13/05/2024</b>	213	Advanced Communication Engineering(197047801)
<b>Wednesday 15/05/2024</b>	214	Audio Video Systems(197047802)
<b>Friday 17/05/2024</b>	215 216 218	<b>Elective-II</b> a) Speech processing(197047804) b) PLC and Industrial Controllers (197047805) c) Data Analytics(197047806)
<b>Saturday 18/05/2024</b>	219 220 221	<b>Elective-III</b> a) Broadb and Communication(197047807) b) Biomedical Instrumentation(197047808) c) Computer Architecture(197047809)

Day&Date	Sr. No.	<u>T.Y.(B.Tech.)(ComputerScience&amp;Engg.)Sem-I(Neww.e.f.June2022)</u> <b>(CBCS 2020 PATTERN)</b> <b>Time:10.00am to1.00pm</b>
<b>Monday 20/05/2024</b>	222	Artificial Intelligence(BTN03501)
<b>Tuesday 21/05/2024</b>	223	Operating Systems (BTN03502)
<b>Wednesday 22/05/2024</b>	224	Database Engineering (BTN03503)
<b>Friday 24/05/2024</b>	225	Design and Analysis of Algorithm (BTN03504)
<b>Saturday 25/05/2024</b>	226 227 228	<b><u>Honors Degree</u></b> a) Reinforcement Learning (BTN03512) b) Data Preprocessing & Visualization (BTN03513) c) Network Security and Secure Coding (BTN03514)
<b>Monday 27/05/2024</b>	229 230 231 232 233	<b><u>Self Learning</u></b> 1.Economics(BTN03506) 2. IntellectualPropertyRightsforTechnologyDevelopmentandM anagement(BTN03507) 3. Introduction to Sociology(BTN03508) 4. Stress and Coping(BTN03509) 5. Professional Ethics &Human Value(BTN03510) <b>Time:10:00 am to 12:00 pm</b>

Day&Date	Sr. No.	T.Y.(B.Tech.)(ComputerScience and Engg.)Sem-III(Neww.e.f.Nov2022) (CBCS 2020 PATTERN) Time: 3:00 am to 6:00 pm
Thursday 30/05/2024	234	System Programming(BTN03601)
Saturday 01/06/2024	235	Internet of Things (BTN03602)
Tuesday 04/06/2024	236	Software Engineering (BTN03603)
Thursday 06/06/2024	237 238 239	<b>Professional Elective-I</b> a) Cloud Computing (BTN03606) b) Augmented Reality/Virtual Reality (BTN03607) c) Network Security (BTN03608)
Saturday 08/06/2024	240 241 242	<b>Open Elective</b> a) Principles of Management : Practicing Ethics, Responsibility, Management(BTN03609) b) Engineering Economics and Management (BTN03610) c) Disaster Management (BTN03611)
Tuesday 11/06/2024	243 244 245	<b>Honors Degree</b> 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
Monday 20/05/2024	246	Software Testing and Quality Assurance (BTN03701)
Tuesday 21/05/2024	247	Compiler Construction (BTN03702)
Wednesday 22/05/2024	248 249 250 251	<b>Elective-II</b> a) Business Intelligence (BTN03706) b) Data Mining (BTN03707) c) Distributed Systems (BTN03708) d) Management Information System (BTN03709)
Friday 24/05/2024	252 253 254	<b>Elective-III</b> a) Human Computer Interaction (BTN03710) b) Big Data Analytics (BTN03711) c) Information Retrieval (BTN03712)
Saturday 25/05/2024	255 256 257	<b>Honors Degree</b> a) Deep Learning (BTN03713) b) Predictive Analytics (BTN03715) c) Information Auditing and monitoring (BTN03717)
Monday 27/05/2024	258 259	<b>Self Learning</b> 1.UI/UX Technology() 2.SoftwareLicencesandPractices() Time: 3:00 pm to 5:00 pm

Day&Date	Sr. No.	<b>Fourth.Y.(B.Tech.)(Computer and Engg.)Sem-I(w.e.f.June2021)</b> <b>(CBCSPATTERN) (Old up to MAR-2024)</b> <b>Time: :3:00 pm to 6:00 pm</b>
<b>Monday</b> <b>20/05/2024</b>	260	Distributed Systems(197043701)
<b>Tuesday</b> <b>21/05/2024</b>	261	Machine Learning(197043702)
<b>Wednesday</b> <b>22/05/2024</b>	262	Modern Database System(197043703)
<b>Friday</b> <b>24/05/2024</b>	263 264 265	<b>Elective-II</b> a) Internet of Things(197043707) b) Software Testing and Quality Assurance(197043708) c) Adhoc and Sensor Networks(197043709)
<b>Saturday</b> <b>25/05/2024</b>	266 267 268	<b>Elective-III</b> a) Business Intelligence(197043710) b) –Data Mining(197043711) c) Real Time Systems(197043712)

Day&Date	Sr. No.	<b>Fourth.Y.(B.Tech.)(ComputerEngg.)Sem-II(w.e.f.Nov.2021)</b> <b>(CBCSPATTERN) (Old up to OCT.2024)</b> <b>Time : 3:00 pm to 6:00 pm</b>
<b>Monday</b> <b>13/05/2024</b>	269	Management Information System(197043801)
<b>Wednesday</b> <b>15/05/2024</b>	270	Information& Cyber Security(197043802)
<b>Friday</b> <b>17/05/2024</b>	271 272	<b>Elective-IV</b> a) –Big data Analytics (197043805) b) Natural Language Programming(197043806)
<b>Saturday</b> <b>18/05/2024</b>	273 274	<b>Elective-V</b> a) Cloud Computing(197043807) b) –Deep Learning(197043808)

Day&Date	Sr. No.	<u>T.Y. B. Tech. (Electronics&amp; TelecommunicationEnggSem– I(Neww.e.f.June2022) (CBCS 2020 PATTERN) Time:10.00 am to 1:00pm</u>
Monday 20/05/2024	275	Electromagnetic Field Theory(BTN06501)
Tuesday 21/05/2024	276	Microcontrollers and Applications(BTN06502)
Wednesday 22/05/2024	277	Digital Signal Processing(BTN06503)
Friday 24/05/2024	278 279 280 281	<b>Open Elective-I</b> a) Managerial Economics(BTN06511) b) Project Management and Operation Research(BTN06512) c) Information Technology and Management(BTN06513) d) Business Ethics(BTN06514)
Saturday 25/05/2024	282 283 284 285 286	<b><u>Honors Degree</u></b> 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 27/05/2024	287 288 289 290 291	<b>Self Learning</b> 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& HumanValue(BTN06509)

Day&Date	Sr No	T.Y. B. Tech. (Electronics& TelecommunicationEnggSem– II(Neww.e.f.Nov.2022) (CBCS 2020 PATTERN) Time: 3:00 am to 6:00 pm
Thursday 30/05/2024	292	Antenna& Wave Propagation(BTN06601)
Saturday 01/06/2024	293	Embedded System(BTN06602)
Tuesday 04/06/2024	294	Electronic System Design(BTN06603)
Thursday 06/06/2024	295 296 297	<b>Professional Elective-I</b> a) Optical Fiber Communication(BTN06609) b) . Image and Video Processing(BTN06610) c) Multimedia Communication Technology(BTN06611)
Saturday 08/06/2024	298 299 300 301	<b>Open Elective-II</b> a) Sensors and Applications(BTN06605) b) Open Source Technologies(BTN06606) c) Operating Systems(BTN06607) d) Power System Planning(BTN06608)
Tuesday 11/06/2024	302 303 304 305 306	<b>Honors Degree</b> 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.	<b>Fourth.Y.(B.Tech.)(E&amp;TEngg.)Sem-I(Neww.e.f.June2023)</b> <b>(CBCSPATTERN)</b> <b>Time: 3:00 pm to 6:00 pm</b>
Monday 20/05/2024	307	Microwave Engineering (BTN06701)
Tuesday 21/05/2024	308	Data Communication (BTN06702)
Wednesday 22/05/2024	309	VLSI Design (BTN06703)
Friday 24/05/2024	310 311 312	<b>Professional Elective-II</b> a) PLC and Industrial Controllers (BTN06707) b) Mobile Communication (BTN06708) c) DSP Processor and application (BTN06709)
Saturday 25/05/2024	313 314 315 316 317	<b>Honors Degree</b> 1. AI Applications (BTN06710) 2. Data Science- Business Intelligence (BTN06713) 3. IOT- Architecting IOT Solutions (BTN06715) 4. <b>Cyber Security</b> - Information Security and Audit (BTN06719) 5. <b>Railway Engineering</b> -Advanced Communication and Modern Signaling in Railway (BTN06717)
Monday 27/05/2024	318	Research Methodology

Day&Date	Sr. No.	<b>Fourth.Y.(B.Tech.)(E&amp;TEngg.)Sem-I(w.e.f.June2021)</b> <b>(CBCSPATTERN) (Old up to MAR-2024)</b> <b>Time: 3:00 pm to 6:00 pm</b>
<b>Monday</b> <b>20/05/2024</b>	319	Machine Learning(197044701)
<b>Tuesday</b> <b>21/05/2024</b>	320	Data Communication(197044702)
<b>Wednesday</b> <b>22/05/2024</b>	321	Internet of Things(197044703)
<b>Friday</b> <b>24/05/2024</b>	322	Database Management System(197044704)
<b>Saturday</b> <b>25/05/2024</b>	323 324	<b>Elective-II</b> a) Image & Video Processing(197044707) b) Wireless Sensor Network(197044708)

Day & Date	Sr. No.	<b>Fourth.Y.(B.Tech.) (E&amp;TEngg.)Sem-II(Neww.e.f.Oct.2023)</b> <b>(CBCSPATTERN)</b> <b>Time: 3:00 pm to 6:00 pm</b>
<b>Monday</b> <b>13/05/2024</b>	325 326 327	Professional Elective-III a. Wireless Sensor Networks b. Satellite Communication c. Software Defined Radio <b>Time: 3:00 pm to 5:00 pm</b>
<b>Wednesday</b> <b>15/05/2024</b>	328 329 330 331	Self Learning Module-II a. Electric Vehicles b. Mechatronics c. Biomedical Instrumentation d. MOOC / University Defined Courses) <b>Time: 3:00 pm to 5:00 pm</b>

Day & Date	Sr. No.	<u>Fourth.Y.(B.Tech.)(E&amp;TCEngg.)Sem-II(w.e.f.Oct.2021)</u> <b>(CBCSPATTERN) (Old up to OCT.2024)</b> <b>Time: 3:00 pm to 6:00 pm</b>
<b>Monday</b> <b>13/05/2024</b>	332	Microwave Engineering(197044801)
<b>Wednesday</b> <b>15/05/2024</b>	333	CMOSVLSI Design(197044802)
<b>Friday</b> <b>17/05/2024</b>	334 335	<b>Elective-III</b> d. Industrial IOT(197044804) e. Artificial Intelligence and Applications(197044805)
<b>Saturday</b> <b>18/05/2024</b>	336 337	<b>Elective-IV</b> e. Network Security(197044806) f. Data Analytics(197044807)



Day&Date	Sr. No.	<u>T.Y.(B.Tech.)(InformationTechnology)Sem-I(Neww.e.f.June2022)</u> <b>(CBCSPATTERN 2020)</b> <b>Time:10.00 am to 1:00 pm</b>
Monday 20/05/2024	338	System Software(BTN05501)
Tuesday 21/05/2024	339	Operating Systems(BTN05502)
Wednesday 22/05/2024	340	Database Engineering(BTN05503)
Friday 24/05/2024	341	Design and Analysis of Algorithms(BTN05504)
Saturday 25/05/2024	342	<b><u>Honors Degree</u></b> a)Reinforcement Learning(BTN05512)
	343	b) Data Preprocessing & Visualization(BTN05513)
	344	c) Network Security and Secure Coding(BTN05514)
Monday 27/05/2024	345	<b>SelfLearning</b> 1.Economics(BTN05506)
	346	2. Intellectual Property Rights for Technology Development andManagement(BTN05507)
	347	3. IntroductiontoSociology(BTN05508)
	348	4. StressandCoping(BTN05509)
	349	5. ProfessionalEthics&HumanValue(BTN05510)
		<b>Time:10:00 am to 12:00 pm</b>

<b>Day&amp;Date</b>	<b>Sr. No.</b>	<b>T.Y.(B.Tech.)(InformationTechnology)Sem-II (Neww.e.f.Nov.2022) (CBCS 2020 PATTERN) Time: 3:00 am to 6:00 pm</b>
<b>Thursday 30/05/2024</b>	350	Artificial Intelligence(BTN05601)
<b>Saturday 01/06/2024</b>	351	Object Oriented Modeling & Design(BTN05602)
<b>Tuesday 04/06/2024</b>	352	Software Engineering(BTN05603)
<b>Thursday 06/06/2024</b>	353 354 355	<b>Professional Elective – I</b> a) Cloud Computing(BTN05606) b) Augmented Reality/Virtual Reality(BTN05607) c) Network Security(BTN05608)
<b>Saturday 08/06/2024</b>	356 357 358	<b>Open Elective</b> a) Principles of Management: Practicing Ethics, Responsibility, Sustainability(BTN05609) b) Engineering Economics and Management(BTN05610) c) Disaster Management(BTN05611)
<b>Tuesday 11/06/2024</b>	359 360 361	<b>Honors Degree</b> a) Natural Language Processing(BTN05612) b) Machine Learning (BTN05613) c) Cyber forensic(BTN05614)

Day & Date	Sr. No.	<u>Fourth.Y. ( B.Tech.) (Information Technology Engg.) Sem-I</u> <u>(w.e.f.June2021) (Old up to MAR-2024)</u> <b>(CBCSPATTERN)</b> <b>Time: 3:00 pm to 6:00 pm</b>
Monday 20/05/2024	362	Machine Learning(197046701)
Tuesday 21/05/2024	363	Advanced Database System(197046702)
Wednesday 22/05/2024	364	Software Testing and Quality Assurance(197046703)
Friday 24/05/2024	365	Distributed Systems(197046704)
Saturday 25/05/2024	366 367 368	<b>Elective-II</b> a) Data Mining(197046707) b) Internet Of Things(197046708) C)Business Intelligence(197046709)

Day&Date	Sr. No.	<u>Fourth.Y.(B.Tech.)(InformationTechnologyEngg.)Sem-I</u> <u>(Neww.e.f.June2023)</u> <b>(CBCS 2020 PATTERN)</b> <b>Time:3:00 pm to 6:00 pm</b>
Monday 20/05/2024	369	Cyber Security (BTN05701)
Tuesday 21/05/2024	370	Management Information Systems (BTN05702)
Wednesday 22/05/2024	371 372 373	<b>Professional Elective-II</b> a) Internet of Things(BTN05706) b) Distributed Systems (BTN05707) C )Blockchain Technology (BTN05708)
Friday 24/05/2024	374 375 376	<b>Professional Elective-III</b> a) Human Computer Interaction (BTN05709) b) Big Data Analytics (BTN05710) c) Information Retrieval (BTN05711)
Saturday 25/05/2024	377 378 379	<b>Honors Degree</b> a) Deep Learning (BTN05713) b) Predictive Analytics (BTN05715) c) Information Auditing and monitoring (BTN05717)

Day & Date	Sr. No.	<b>Fourth. Y. (B.Tech.)(Information Technology Engg.) Sem-II</b> <b>(New w.e.f.Oct.2023)</b> <b>(CBCSPATTERN)</b> <b>Time: 3:00 pm to 6:00 pm</b>
<b>Monday</b> <b>13/05/2024</b>	380	Management Information System(197046801)
<b>Wednesday</b> <b>15/05/2024</b>	381	Information Assurance and Security(197046802)
<b>Friday</b> <b>17/05/2024</b>	382 383	Elective-IV a) Big Data Analytics (197046805) b) Cloud Computing(197046806)
<b>Saturday</b> <b>18/05/2024</b>	384 385	Elective-V a) Natural Language Processing(197046807) b) Information Retrieval(197046808)

Day & Date	Sr. No.	<b>Fourth. Y. (B.Tech.)(Information Technology Engg.) Sem-II</b> <b>(w.e.f.Oct.2021)</b> <b>(CBCSPATTERN) (Old up to OCT.2024)</b> <b>Time: 3:00 pm to 6:00 pm</b>
<b>Monday</b> <b>13/05/2024</b>	386	Management Information System(197046801)
<b>Wednesday</b> <b>15/05/2024</b>	387	Information Assurance and Security(197046802)
<b>Friday</b> <b>17/05/2024</b>	388 389	Elective-IV a) Big Data Analytics (197046805) b) Cloud Computing(197046806)
<b>Saturday</b> <b>18/05/2024</b>	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 pmt 1:00pm
Monday 20/05/2024	392	PowerSystem-III(BTN07501)
Tuesday 21/05/2024	393	Linear Control System(BTN07502)
Wednesday 22/05/2024	394	Advanced Microcontroller System (BTN07503)
Friday 24/05/2024	395	Electromagnetic Engineering (BTN07504)
Saturday 25/05/2024	396 397 398 399	<b>Open Elective-I</b> a) Information Technology& Management(BTN07512) b) Advanced Electrical Machines (BTN07513) c) Business thics(BTN07514) d) Managerial Economics(BTN07515)
Monday 27/05/2024	400 401	<b>Honors Degree</b> 1. Smart Energy Management System (BTN07516) 2. Electric Motors and Controls for Electric Vehicle (BTN07517)
Tuesday 28/05/2024	402 403 404 405 406	<b>Self Learning</b> 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.	<b>T.Y.(B.Tech.)(ElectricalEngg.)Sem-II(Neww.e.f.Nov.2022)</b> <b>(CBCS 2020 PATTERN)</b> <b>Time:3:00 pm to 6:00 pm</b>
Thursday 30/05/2024	407	Electrical Machine Design (BTN07601)
Saturday 01/06/2024	408	Electrical Utilization(BTN07602)
Tuesday 04/06/2024	409	Power Electronics& Industrial Drives (BTN07603)
Thursday 06/06/2024	410	Advanced Control Systems(BTN07604)
Saturday 08/06/2024	411 412 413 414	<b>Open Elective-I</b> a) Operating Systems(BTN07606) b) Renewable Energy Sources(BTN07607) c) Fiber Optic Communication(BTN07608) d) Sensors & Applications(BTN07609)
Tuesday 11/06/2024	415 416 417	<b>Self Learning</b> 1. <b>Hybrid Electric Vehicle Design</b> (BTN07610) 2. Electrical Safety(BTN07611) 3. Solar Photovoltaic System Design& Installation(BTN07612) <b>Time:10:00 am to 12:00 pm</b>
Thursday 13/06/2024	418 419	<u>Honars Subject.</u> 1. <b>Energy Management System for Electric Vehicle</b> (BTN07614) 2. <b>Distributed Energy Integration</b> (BTN07613)

Day & Date	Sr. No.	<b>Fourth.Y. (B.Tech.) (Electrical Engg.)Sem-I (New w.e.f.June2023)</b> <b>(CBCS 2020 PATTERN)</b> <b>Time:3:00 pm to 6:00 pm.</b>
<b>Monday</b> <b>20/05/2024</b>	420	Power Quality and FACTS (BTN07701)
<b>Tuesday</b> <b>21/05/2024</b>	421	Signals and System (BTN07702)
<b>Wednesday</b> <b>22/05/2024</b>	422	Switchgear and Protection (BTN07703)
<b>Friday</b> <b>24/05/2024</b>	423 424 425 426 427 428	<b>Professional Elective-I</b> 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)
<b>Saturday</b> <b>25/05/2024</b>	429 430 431 432 433 434	<b>Professional Elective-II</b> 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)
<b>Monday</b> <b>20/05/2024</b>	435 436	<b>Honors Subject</b> a) Testing & Certification of Electric & Hybrid vehicles b) AI Application to Power system management

Day&Date	Sr. No.	<b>Fourth.Y.(B.Tech.)(ElectricalEngg.)Sem-I(w.e.f.June2021)</b> <b>(CBCSPATTERN) (Old up to MAR-2024)</b> <b>Time: 3:00 pm to 6:00 pm</b>
<b>Monday</b> <b>20/05/2024</b>	437	Industrial Drives Control(197045701)
<b>Tuesday</b> <b>21/05/2024</b>	438	Power System and Operation Control(197045702)
<b>Wednesday</b> <b>22/05/2024</b>	439	Renewable Energy Sources(197045703)
<b>Friday</b> <b>24/05/2024</b>	440	Switchgear and Protection(197045704)
<b>Saturday</b> <b>25/05/2024</b>	441 442 443 444	<b>Elective-I</b> 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.	<b>Fourth.Y.(B.Tech.)(ElectricalEngg.)Sem-II(Neww.e.f.Nov.2023)</b> <b>(CBCSPATTERN)</b> <b>Time: 3:00 pm to 6:00 pm</b>
<b>Monday</b> <b>13/05/2024</b>		<b>Self Learning Module-III</b> a) Electrical Estimation, Installation, and Testing b) Mechatronics c) Alternate Energy Systems
<b>Wednesday</b> <b>15/05/2024</b>	445 446 447	<b>Self Learning Module-IV</b> a) Electrical Energy Audit and Management b) High Voltage DC Transmission c) Illumination Engineering



<b>Day&amp;Date</b>	<b>Sr. No.</b>	<b>Fourth.Y.(B.Tech.)(ElectricalEngg.)Sem-II(Neww.e.f.Nov.2021) (CBCSPATTERN) (Old up to OCT.2024) Time: 3:00 pm to 6:00 pm</b>
<b>Monday 13/05/2024</b>	448	Power Quality& FACTS (197045801)
<b>Wednesday 15/05/2024</b>	449	Extra High Voltage AC Transmission(197045802)
<b>Friday 17/05/2024</b>	450 451 452 453	<b>Elective-II</b> a) Power System Planning(197045804) b) Neural Network& Fuzzy Logic(197045805) c) Advance Electrical Drives(197045806) d)Smart Grid Technology(197045807)
<b>Saturday 18/05/2024</b>	454 455 456 457	<b>Elective-III</b> 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: 14/03/2024