



# PUNYASHLOKAHILYADEVIIHOLKAR SOLAPUR UNIVERSITY, 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

**NOV/DEC.-2024 EXAMINATION TO BE HELD IN NOV.-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		SKNSCOE	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( <b>Neww.e.f.June.2022</b> ) ( <b>CBCS 2020 PATTERN</b> ) <b>Time:10:00 am to 1:00pm</b>
Monday 18/11/2024	1	Design of Steel Structures (BTN01501)
Wednesday 20/11/2024	2	Geotechnical Engineering (BTN01502)
Friday 22/11/2024	3	Highway and Tunnel Engineering (BTN01503)
Monday 25/11/2024	4	Hydrology and Water Resources Engineering(BTN01504)
Wednesday 27/11/2024	5	Design of Concrete Structures I (BTN01505)
Friday 29/11/2024	6	Environmental Engineering-II (BTN01506)
Monday 02/12/2024	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 04/12/2024	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>

<b>Day&amp;Date</b>	<b>Sr. No.</b>	<b>T.Y.(B.Tech.)(CivilEngg.)Sem– II( Neww.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:10:00 am to 1:00 pm</b>
<b>Wednesday 06/11/2024</b>	16	Foundation Engineering(BTN01601)
<b>Thursday 07/11/2024</b>	17	Hydraulic Structures& Water Power Engg (BTN01602)
<b>Friday 08/11/2024</b>	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)
<b>Saturday 09/11/2024</b>	30	Design of Concrete Structures II (BTN01603)
<b>Wednesday 13/11/2024</b>	31	Principles of Management and Quantitative Techniques (BTN01604)
<b>Thursday 14/11/2024</b>	32	Railway, Airport &Harbour Engineering (BTN01605)
<b>Saturday 16/11/2024</b>		<b>Honors Degree</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.)(Civil Engg.)Sem-I (New w.e.f.June2023)</b> <b>(CBCS 2020 PATTERN)</b> <b>Time:10.00 am. to 1.00pm.</b>
<b>Tuesday</b> <b>19/11/2024</b>	37	Estimating, Costing and Valuation (BTN01701)
<b>Thursday</b> <b>21/11/2024</b>	38	Earthquake Engineering (BTN01702)
<b>Saturday</b> <b>23/11/2024</b>	39	Construction Management and Practices (BTN01703)
<b>Tuesday</b> <b>26/11/2024</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>Thursday</b> <b>28/11/2024</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-II (New w.e.f.June2023)</b> <b>(CBCS 2020 PATTERN)</b> <b>Time:3.00 pm. to 6.00pm</b>
<b>Wednesday</b> <b>06/11/2024</b>	54	Professional Practice, Law & Ethics
<b>Thursday</b> <b>07/11/2024</b>	55 56 57 58 59 60 61	<b>Professional Elective Course- III</b> 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 (
<b>Friday</b> <b>08/11/2024</b>	62 63 64 65	<b>Self Learning Technical Course (Elective)</b> 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><u>Fourth.Y.(B.Tech.)(Civil Engg.)Sem-II(w.e.f.OCT2021)</u> <b>(CBCSPATTERN) (Old up to OCT.2024)</b> <b>Time: :3:00 pm to 6:00 pm</b></b>
<b>Wednesday 06/11/2024</b>	66 67 68 69 70 71 72 73 74 75	<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>Thursday 07/11/2024</b>	76 77 78 79 80 81 82 83 84 85	<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 08/11/2024</b>	86	Railway& Harbour Engineering (197042801)
<b>Wednesday 13/11/2024</b>	87	Open Elective-III :Economicpoliciesin India(197042802)
<b>Thursday 14/11/2024</b>	88	Professional Practice, Law& Ethics(197042803)

Day&Date	Sr. No.	<b>T.Y.(B.Tech.)(MechanicalEngg.)Sem-I(Neww.e.f.June2022)</b> <b>(CBCS 2020 PATTERN)</b> <b>Time:10.00 am to 1:00pm</b>
<b>Monday 18/11/2024</b>	89	Design of Machine Elements (BTN02501)
<b>Wednesday 20/11/2024</b>	90	CAD-CAM-CAE (BTN02502)
<b>Friday 22/11/2024</b>	91	Metallurgy(BTN02503)
<b>Monday 25/11/2024</b>	92	Industrial Engineering(BTN02504)
<b>Wednesday 27/11/2024</b>	93 94 95 96	<b>Professional Elective-III</b> a) GAS TURBINES(BTN02514) b) : Tool Engineering(BTN02515) c) Industrial Hydraulics & Pneumatics(BTN02516) d) Mechanical Vibrations(BTN02517)
<b>Friday 29/11/2024</b>	97 98 99 100	<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)
<b>Monday 02/12/2024</b>	101 102 103 104 105	<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) <b>Time:10:00 am to 12:00 pm</b>

Day&Date	Sr. No.	T.Y.(B.Tech.)(Mechanical Engg.)Sem-II( <b>New</b> w.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:10:00 am to 1:00pm
Wednesday 06/11/2024	106	Transmission System Design(BTN02601)
Thursday 07/11/2024	107	Instrumentation and Control Engineering(BTN02602)
Friday 08/11/2024	108	Heat Transfer(BTN02603)
Saturday 09/11/2024	109	Industrial & Quality Management(BTN02604)
Wednesday 13/11/2024	110 111 112 113	<b>Professional Elective-IV</b> A) Project Management(BTN02608) B)Industrial Product Design(BTN02609) C)Plastic Engineering(BTN02610) D) Railway Transportation System (BTN02611)
Thursday 14/11/2024	114 115 116 117	<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)



Day&Date	Sr. No.	Fourth.Y.(B.Tech.)(Mechanical Engg.)Sem-I(Neww.e.f.June2023) (CBCS 2020 PATTERN) Time:10:00 am to 1:00pm
Tuesday 19/11/2024	118	Refrigeration and Air Conditioning(BTN02701)
Thursday 21/11/2024	119	Automobile Engineering(BTN02702)
Saturday 23/11/2024	120	Automation and Robotics (BTN02703)
Tuesday 26/11/2024	121 122 123 124 125	<b>Professional Elective-V</b> 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)
Thursday 28/11/2024	126 127 128 129	<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)
Saturday 30/11/2024	130 131 132 133 134	<b>Open Elective</b> 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>T.Y. (B.Tech.) (Electronics Engg.) Sem- I (Neww.e.f. NOV. 2022)</b> <b>(CBCS 2020 PATTERN)</b> <b>Time:10.00am to1.00pm</b>
<b>Monday 18/11/2024</b>	135	Digital Communication(BTN04501)
<b>Wednesday 20/11/2024</b>	136	Digital Signal Processing( BTN04502)
<b>Friday 22/11/2024</b>	137	Microcontrollers( BTN04503)
<b>Monday 25/11/2024</b>	138 139 140 141	<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>Wednesday 27/11/2024</b>	142 143 144	<b>Honors Degree</b> a) Artificial Intelligence(BTN04517) b) Data Processing & Feature Engineering(BTN04518) c) Industrial IoT(BTN04519)
<b>Friday 29/11/2024</b>	145 146 147 148 149	<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)</b> <b>(CBCS 2020 PATTERN)</b> <b>Time:10.00am to1.00pm</b>
Wednesday 06/11/2024	150	Computer Networks(BTN04601)
Thursday 07/11/2024	151	Embedded Systems(BTN04602)
Friday 08/11/2024	152	VLSI Design(BTN04603)
Saturday 09/11/2024	153 154 155	<b>Professional Elective-I</b> a) Image Processing(BTN04609) b) Computer Organization(BTN04610) c) Multimedia Systems(BTN04611)
Wednesday 13/11/2024	156 157 158 159	<b>Open Elective-II</b> A)OPERATINGSYSTEMS(BTN04605) b) Sensors and Applications(BTN04606) c) Open Source Technologies(BTN04607) d) Power System Planning(BTN04608)
Thursday 14/11/2024	160 161 162	<b>Honors Degree</b> a) AI/ML -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 to01.00pm</b>
Tuesday 19/11/2024	163	Advanced Communication Engineering (BTN04701)
Thursday 21/11/2024	164	Power Electronics (BTN04702)
Saturday 23/11/2024	165	Mobile Technology (BTN04703)
Tuesday 26/11/2024	166 167 168	<b>Elective-I</b> a) CMOS VLSI Design (BTN04706) b) PLC and Industrial Controllers (BTN04707) c) Software Engineering (BTN04708)
Thursday 28/11/2024	169 170 171	<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.)(Electronics Engg.)Sem-II(New w.e.f.Oct.2023)</b> <b>(CBCSPATTERN)</b> <b>Time:3.00 pm to 6.00pm</b>
<b>Wednesday</b> <b>06/11/2024</b>	172 173 174	<b>Elective-III</b> <b>a) Speech Processing</b> <b>b) Mechatronics</b> <b>c) Cloud Computing</b>
<b>Thursday</b> <b>07/11/2024</b>	175 176 177 178	<b>Self-Learning II – Technical</b> <b>a) Electronic Instrumentation</b> <b>b) Biomedical Instrumentation</b> <b>c) Cyber Security</b> <b>d) Approved MOOC Course</b> <b>( Time:3.00pm to5.00pm)</b>

Day&Date	Sr. No.	<b>Fourth.Y.(B.Tech.)(Electronics Engg.)Sem-II(w.e.f.Oct.2021)</b> <b>(CBCSPATTERN) (Old up to OCT.2024)</b> <b>Time:3.00pm to6.00pm</b>
<b>Wednesday</b> <b>06/11/2024</b>	179	Advanced Communication Engineering(197047801)
<b>Thursday</b> <b>07/11/2024</b>	180	Audio Video Systems(197047802)
<b>Friday</b> <b>08/11/2024</b>	181 182 183	<b>Elective-II</b> <b>a) Speech processing(197047804)</b> <b>b) PLC and Industrial Controllers (197047805)</b> <b>c) Data Analytics(197047806)</b>
<b>Saturday</b> <b>09/11/2024</b>	184 185 186	<b>Elective-III</b> <b>a) Broadb and Communication(197047807)</b> <b>b) Biomedical Instrumentation(197047808)</b> <b>c) Computer Architecture(197047809)</b>

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 18/11/2024	187	Artificial Intelligence(BTN03501)
Wednesday 20/11/2024	188	Operating Systems (BTN03502)
Friday 22/11/2024	189	Database Engineering (BTN03503)
Monday 25/11/2024	190	Design and Analysis of Algorithm (BTN03504)
Wednesday 27/11/2024	191 192 193	<b>Honors Degree</b> a) Reinforcement Learning (BTN03512) b) Data Preprocessing & Visualization (BTN03513) c) Network Security and Secure Coding (BTN03514)
Friday 29/11/2024	194 195 196 197 198	<b>Self Learning</b> 1.Economics(BTN03506) 2. Intellectual Property Rights for Technology Development and Management (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 am to 1:00pm
Wednesday 06/11/2024	199	System Programming(BTN03601)
Thursday 07/11/2024	200	Internet of Things (BTN03602)
Friday 08/11/2024	201	Software Engineering (BTN03603)
Saturday 09/11/2024	202 203 204	<b>Professional Elective-I</b> a) Cloud Computing (BTN03606) b) Augmented Reality/Virtual Reality (BTN03607) c) Network Security (BTN03608)
Wednesday 13/11/2024	205 206 207	<b>Open Elective</b> a) Principles of Management : Practicing Ethics, Responsibility, Management(BTN03609) b) Engineering Economics and Management (BTN03610) c) Disaster Management (BTN03611)
Thursday 14/11/2024	208 209 210	<b>Honors Degree</b> 1.Natural Language Processing (BTN03612) 2.Machine Learning (BTN03613) 3.Cyber forensic (BTN03614)

Day & Date	Sr. No.	<b>Fourth. Y.(B.Tech.)(Computer and Engg.)Sem-I(Neww.e.f.June2023)</b> <b>(CBCS 2020 PATTERN)</b> <b>Time:10:00 am to 1:00pm</b>
Tuesday 19/11/2024	211	Software Testing and Quality Assurance (BTN03701)
Thursday 21/11/2024	212	Compiler Construction (BTN03702)
Saturday 23/11/2024	213 214 215 216	<b>Elective-II</b> a) Business Intelligence (BTN03706) b) Data Mining (BTN03707) c) Distributed Systems (BTN03708) d) Management Information System (BTN03709)
Tuesday 26/11/2024	217 218 219	<b>Elective-III</b> a) Human Computer Interaction (BTN03710) b) Big Data Analytics (BTN03711) c) Information Retrieval (BTN03712)
Thursday 28/11/2024	220 221 222	<b>Honors Degree</b> a) Deep Learning (BTN03713) b) Predictive Analytics (BTN03715) c) Information Auditing and monitoring (BTN03717)
Saturday 30/11/2024	223 224	<b>Self Learning</b> 1.UI/UX Technology() 2.SoftwareLicencesandPractices() <b>Time:10:00 am to 12:00pm</b>

Day&Date	Sr. No.	<b>Fourth.Y.(B.Tech.)(Computer Engg.)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>
Wednesday 06/11/2024	225	Management Information System(197043801)
Thursday 07/11/2024	226	Information & Cyber Security(197043802)
Friday 08/11/2024	227 228	<b>Elective-IV</b> a) –Big data Analytics (197043805) b) Natural Language Programming(197043806)
Saturday 09/11/2024	229 230	<b>Elective-V</b> a) Cloud Computing(197043807) b) –Deep Learning(197043808)

Day&Date	Sr. No.	T.Y. B. Tech. (Electronics& Telecommunication Engg Sem- I (Neww.e.f.June2022) (CBCS 2020 PATTERN) Time:10.00 am to 1:00pm
Monday 18/11/2024	231	Electromagnetic Field Theory(BTN06501)
Wednesday 20/11/2024	232	Microcontrollers and Applications(BTN06502)
Friday 22/11/2024	233	Digital Signal Processing(BTN06503)
Monday 25/11/2024	234 235 236 237	<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)
Wednesday 27/11/2024	238 239 240 241 242	<b>Honors Degree</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)
Friday 29/11/2024	243 244 245 246 247	<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 &Human Value(BTN06509) Time:10:00 amto 12:00pm

Day&Date	Sr No	T.Y. B. Tech. (Electronics Telecommunication EnggSem– II) (Neww.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:10:00 am to 1:00pm
Wednesday 06/11/2024	248	Antenna &Wave Propagation(BTN06601)
Thursday 07/11/2024	249	Embedded System(BTN06602)
Friday 08/11/2024	250	Electronic System Design(BTN06603)
Saturday 09/11/2024	251 252 253	<b>Professional Elective-I</b> a) Optical Fiber Communication(BTN06609) b) . Image and Video Processing(BTN06610) c) Multimedia Communication Technology(BTN06611)
Wednesday 13/11/2024	254 255 256 257	<b>Open Elective-II</b> a) Sensors and Applications(BTN06605) b) Open Source Technologies(BTN06606) c) Operating Systems(BTN06607) d) Power System Planning(BTN06608)
Thursday 14/11/2024	258 259 260 261 262	Honors Degree 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.	<u>Fourth.Y.(B.Tech.)(E&amp;TCEngg.)Sem-I(Neww.e.f.June2023)</u> <b>(CBCSPATTERN)</b> <b>Time:10:00 am to 1:00pm</b>
Tuesday 19/11/2024	263	Microwave Engineering (BTN06701)
Thursday 21/11/2024	264	Data Communication (BTN06702)
Saturday 23/11/2024	265	VLSI Design (BTN06703)
Tuesday 26/11/2024	266 267 268	<b>Professional Elective-II</b> a) PLC and Industrial Controllers (BTN06707) b) Mobile Communication (BTN06708) c) DSP Processor and application (BTN06709)
Thursday 28/11/2024	269 270 271 272 273	<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)
Saturday 30/11/2024	274	Research Methodology

Day & Date	Sr. No.	<u>Fourth.Y.(B.Tech.)(E&amp;TCEngg.)Sem-II(Neww.e.f.Oct.2023)</u> <b>(CBCSPATTERN)</b> <b>Time: 3:00 pm to 6:00 pm</b>
Wednesday 06/11/2024	275 276 277	<b>Professional Elective-III</b> a. Wireless Sensor Networks b. Satellite Communication c. Software Defined Radio <b>Time: 3:00 pm to 5:00 pm</b>
Thursday 07/11/2024	278 279 280 281	<b>Self Learning Module-II</b> 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.	<b>Fourth.Y.(B.Tech.)(E&amp;TEngg.)Sem-II(w.e.f.Oct.2021)</b> <b>(CBCSPATTERN) (Old up to OCT.2024)</b> <b>Time: 3:00 pm to 6:00 pm</b>
Wednesday 06/11/2024	282	Microwave Engineering (197044801)
Thursday 07/11/2024	283	CMOSVLSI Design (197044802)
Friday 08/11/2024	284 285	<b>Elective-III</b> d. Industrial IOT (197044804) e. Artificial Intelligence and Applications (197044805)
Saturday 09/11/2024	286 287	<b>Elective-IV</b> e. Network Security (197044806) f. Data Analytics (197044807)

Day&Date	Sr. No.	<b>T.Y.(B.Tech.)(Information Technology)Sem-I(Neww.e.f.June2022)</b> <b>(CBCSPATTERN 2020)</b> <b>Time:10.00 am to 1:00 pm</b>
Monday 18/11/2024	288	System Software(BTN05501)
Wednesday 20/11/2024	289	Operating Systems(BTN05502)
Friday 22/11/2024	290	Database Engineering(BTN05503)
Monday 25/11/2024	291	Design and Analysis of Algorithms(BTN05504)
Wednesday 27/11/2024	292 293 294	<b>Honors Degree</b> a)Reinforcement Learning(BTN05512) b) Data Preprocessing & Visualization(BTN05513) c) Network Security and Secure Coding(BTN05514)
Friday 29/11/2024	295 296 297 298 299	<b>Self Learning</b> 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) <b>Time:10:00 am to 12:00 pm</b>

Day&Date	Sr. No.	<u>T.Y.(B.Tech.)(Information Technology)Sem-II (Neww.e.f.Nov.2022)</u> <b>(CBCS 2020 PATTERN)</b> <b>Time:10:00 am to 1:00pm</b>
<b>Wednesday 06/11/2024</b>	300	Artificial Intelligence(BTN05601)
<b>Thursday 07/11/2024</b>	301	Object Oriented Modeling & Design(BTN05602)
<b>Friday 08/11/2024</b>	302	Software Engineering(BTN05603)
<b>Saturday 09/11/2024</b>	303 304 305	<b>Professional Elective – I</b> a) Cloud Computing(BTN05606) b) Augmented Reality/Virtual Reality(BTN05607) c) Network Security(BTN05608)
<b>Wednesday 13/11/2024</b>	306 307 308	<b>Open Elective</b> a) Principles of Management: Practicing Ethics, Responsibility, Sustainability (BTN05609) b) Engineering Economics and Management(BTN05610) c) Disaster Management(BTN05611)
<b>Thursday 14/11/2024</b>	309 310 311	<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> (New w.e.f.June2023) (CBCS 2020 PATTERN) Time:10:00 am to 1:00pm
Tuesday 19/11/2024	312	Cyber Security (BTN05701)
Thursday 21/11/2024	313	Management Information Systems (BTN05702)
Saturday 23/11/2024	314 315 316	<b>Professional Elective-II</b> a) Internet of Things(BTN05706) b) Distributed Systems (BTN05707) C)Blockchain Technology (BTN05708)
Tuesday 26/11/2024	317 318 319	<b>Professional Elective-III</b> a) Human Computer Interaction (BTN05709) b) Big Data Analytics (BTN05710) c) Information Retrieval (BTN05711)
Thursday 28/11/2024	320 321 322	<b>Honors Degree</b> a) Deep Learning (BTN05713) b) Predictive Analytics (BTN05715) c) Information Auditing and monitoring (BTN05717)

Day & Date	Sr. No.	<u>Fourth. Y. (B.Tech.)(Information Technology Engg.) Sem-II</u> (New w.e.f.Oct.2023) (CBCSPATTERN) Time: 3:00 pm to 6:00 pm
Wednesday 06/11/2024	323	Management Information System(197046801)
Thursday 07/11/2024	324	Information Assurance and Security(197046802)
Friday 08/11/2024	325 326	<b>Elective-IV</b> a) Big Data Analytics (197046805) b) Cloud Computing(197046806)
Saturday 09/11/2024	327 328	<b>Elective-V</b> 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>Wednesday</b> <b>06/11/2024</b>	329	Management Information System(197046801)
<b>Thursday</b> <b>07/11/2024</b>	330	Information Assurance and Security(197046802)
<b>Friday</b> <b>08/11/2024</b>	331 332	Elective-IV a) Big Data Analytics (197046805) b) Cloud Computing(197046806)
<b>Saturday</b> <b>09/11/2024</b>	333 334	Elective-V a) Natural Language Processing(197046807) b) Information Retrieval(197046808)

Day&Date	Sr. No.	<b>T.Y.(B.Tech.)(ElectricalEngg.)Sem-I(Neww.e.f.June2022)</b> <b>(CBCS 2020 PATTERN)</b> <b>Time:10:00 pmto 1:00pm</b>
<b>Monday</b> <b>18/11/2024</b>	335	Power System-III(BTN07501)
<b>Wednesday</b> <b>20/11/2024</b>	336	Linear Control System(BTN07502)
<b>Friday</b> <b>22/11/2024</b>	337	Advanced Microcontroller System (BTN07503)
<b>Monday</b> <b>25/11/2024</b>	338	Electromagnetic Engineering (BTN07504)
<b>Wednesday</b> <b>27/11/2024</b>	339 340 341 342	<b>Open Elective-I</b> a) Information Technology& Management(BTN07512) b) Advanced Electrical Machines (BTN07513) c) Business ethics(BTN07514) d) Managerial Economics(BTN07515)
<b>Friday</b> <b>29/11/2024</b>	343 344	<b>Honors Degree</b> 1. Smart Energy Management System (BTN07516) 2. Electric Motors and Controls for Electric Vehicle (BTN07517)
<b>Monday</b> <b>02/12/2024</b>	345 346 347 348 349	<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) <b>Time:10:00 am to 12:00 pm</b>

Day&Date	Sr. No.	<b>T.Y.(B.Tech.)(Electrical Engg.)Sem-II(Neww.e.f.Nov.2022)</b> <b>(CBCS 2020 PATTERN)</b> <b>Time:10:00 am to 1:00pm</b>
Wednesday 06/11/2024	350	Electrical Machine Design (BTN07601)
Thursday 07/11/2024	351	Electrical Utilization(BTN07602)
Friday 08/11/2024	352	Power Electronics & Industrial Drives (BTN07603)
Saturday 09/11/2024	353	Advanced Control Systems(BTN07604)
Wednesday 13/11/2024	354 355 356 357	<b>Open Elective-I</b> a) Operating Systems(BTN07606) b) Renewable Energy Sources(BTN07607) c) Fiber Optic Communication(BTN07608) d) Sensors & Applications(BTN07609)
Thursday 14/11/2024	358 359 360	<b>Self Learning</b> 1. Hybrid Electric Vehicle Design (BTN07610) 2. Electrical Safety(BTN07611) 3. Solar Photovoltaic System Design& Installation(BTN07612) <b>Time:10:00 am to 12:00 pm</b>
Saturday 16/11/2024	361 362	<b>Honars Subject.</b> 1. Energy Management System for Electric Vehicle(BTN07614) 2. Distributed Energy Integration (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:10:00 am to 1:00pm</b>
Tuesday 19/11/2024	363	Power Quality and FACTS (BTN07701)
Thursday 21/11/2024	364	Signals and System (BTN07702)
Saturday 23/11/2024	365	Switchgear and Protection (BTN07703)
Tuesday 26/11/2024	366 367 368 369 370 371	<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)
Thursday 28/11/2024	372 373 374 375 376 377	<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)
Saturday 30/11/2024	378 379	<b>Honors Subject</b> a) Testing & Certification of Electric & Hybrid vehicles b) AI Application to Power system management

Day&Date	Sr. No.	<u>Fourth.Y.(B.Tech.)(Electrical Engg.)Sem-I(w.e.f.June2021)</u> <b>(CBCSPATTERN) (Old up to MAR-2024)</b> <b>Time:10:00 am to 1:00pm</b>
Tuesday 19/11/2024	380	Industrial Drives Control(197045701)
Thursday 21/11/2024	381	Power System and Operation Control(197045702)
Saturday 23/11/2024	382	Renewable Energy Sources(197045703)
Tuesday 26/11/2024	383	Switchgear and Protection(197045704)
Thursday 28/11/2024	384 385 386 387	<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.	<u>Fourth.Y.(B.Tech.)(Electrical Engg.)Sem-II(Neww.e.f.Nov.2023)</u> <b>(CBCSPATTERN)</b> <b>Time: 3:00 pm to 6:00 pm</b>
Wednesday 06/11/2024	388 389 390	<b>Self Learning Module-III</b> a) Electrical Estimation, Installation, and Testing b) Mechatronics c) Alternate Energy Systems
Thursday 07/11/2024	391 392 393	<b>Self Learning Module-IV</b> a) Electrical Energy Audit and Management b) High Voltage DC Transmission c) Illumination Engineering

Day&Date	Sr. No.	<b>Fourth.Y.(B.Tech.)(Electrical Engg.)Sem-II(Neww.e.f.Nov.2021)</b> <b>(CBCSPATTERN) (Old up to OCT.2024)</b> <b>Time: 3:00 pm to 6:00 pm</b>
<b>Wednesday</b> <b>06/11/2024</b>	394	Power Quality& FACTS (197045801)
<b>Thursday</b> <b>07/11/2024</b>	395	Extra High Voltage AC Transmission(197045802)
<b>Friday</b> <b>08/11/2024</b>	396 397 398 399	<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</b> <b>09/11/2024</b>	400 401 402 403	<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:08/10/2024