



PUNYASHLOKAHILYADEVIHOLKAR SOLAPUR UNIVERSITY, SOLAPUR

EXAM OF 2023

SEMESTER PATTERN EXAMINATION

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

EXAMINATIONS IN THE BRANCHES

[1] CIVIL ENGINEERING

[4] ELECTRONICS & TELE-COMM.

[7] ELECTRICAL ENGINEERING

[2] MECHANICAL ENGINEERING

[5] COMPUTER SCI & ENGG

[3] ELECTRONICS ENGINEERING

[6] INFORMATION TECHNOLOGY

OCT./NOV.-2023 EXAMINATION TO BE HELD IN DEC.-2023

- Candidates are requested to be present at their respective places of Examinations FIFTEEN MINUTES before the time starting of the first paper and TEN MINUTES before the time starting of each subsequent paper. They are for bidden to take any book or paper in to the Examination Hall.
- 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. (उपरोक्त विधियों के अन्तर्गत 2016 के अधिनियम के अनुसार, अक्षमता वाले छात्रों को एक घंटे के लिए 20 मिनट का अतिरिक्त समय प्रदान किया जाएगा।)

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.)(Civil Engg.)Sem-I (New w.e.f.June.2022) (CBCS 2020 PATTERN) Time:10:00 am to 1:00 pm
Tuesday 26/12/2023	1	Design of Steel Structures (BTN01501)
Thursday 28/12/2023	2	Geotechnical Engineering (BTN01502)
Saturday 30/12/2023	3	Highway and Tunnel Engineering (BTN01503)
Monday 01/01/2024	4	Hydrology and Water Resources Engineering(BTN01504)
Wednesday 03/01/2024	5	Design of Concrete Structures I (BTN01505)
Friday 05/01/2024	6	Environmental Engineering-II (BTN01506)
Sunday 07/01/2024	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)
Tuesday 09/01/2024	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)

Day & Date	Sr. No.	T.Y.(B.Tech.)(CivilEngg.)Sem– II(Neww.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:10:00 am to 1:00 pm
Monday 18/12/2023	16	Foundation Engineering (BTN01601)
Tuesday 19/12/2023	17	Hydraulic Structures& Water Power Engg (BTN01602)
Wednesday 20/12/2023	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)
Thursday 21/12/2023	30	Design of Concrete Structures II (BTN01603)
Friday 22/12/2023	31	Principles of Management and Quantitative Techniques (BTN01604)
Saturday 23/12/2023	32	Railway, Airport &Harbour Engineering (BTN01605)
Sunday 24/12/2023		Honors Degree
	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.	<u>T.Y.(B.Tech.)(Civil Engg.)Sem-II(w.e.f.Nov.2020)</u> <u>(CBCSPATTERN) (Old up to OCT-2023)</u> Time:10:00 am to 1:00 pm
Monday 18/12/2023	37	Foundation Engineering(197042601)
Tuesday 19/12/2023	38	Hydraulic Structures & Water Power Engg(197042602)
Wednesday 20/12/2023	39	Professional Elective-I a) Masonry Structures(197042607)
	40	b) Structural Analysis by Matrix Methods(197042608)
	41	c) Structural Dynamics(197042609)
	42	d) Structural Geology(197042610)
	43	e) Urban Transportation Planning.(197042611)
	44	f) Pavement Design(197042612)
	45	g) Metro Systems and Engineering(197042613)
	46	h) Construction Engineering Materials(197042614)
	47	i) Systems Engineering & Economics(197042615)
	48	j) Infrastructure Planning and Management(197042616)
	49	k) Ecological Engineering(197042617)
	50	l) Solid and Hazardous Waste Management(197042618)
	51	m) Physico-Chemical Processes for Water and Wastewater Treatment(197042619)
	52	n) Hydraulic modeling(197042620)
53	o) Urban Hydrology and Hydraulics(197042621)	
54	p) Instrumentation & Sensor Technologies for Civil Engg. Applications(197042622)	
55	q) Open Channel flow & River Hydraulics(197042623)	
Thursday 21/12/2023	56	Design of Concrete Structures-I(197042603)
Friday 22/12/2023	57	Principles of Management and Quantitative Techniques (197042604)
Saturday 23/12/2023	58	Self Learning 1. Geosynthetics and Reinforced Soil Structures(197042624)
	59	2. Rural Roads(197042625)
	60	3. Planning for Sustainable Development(197042626)
	61	4. TQ and MIS in Civil Engineering(197042627)
	62	5. Earthquake Resistant Non Engineered Construction(197042628)

Day&Date	Sr. No.	Fourth.Y.(B.Tech.)(CivilEngg.)Sem-I (New w.e.f.June2023) (CBCS 2020 PATTERN) Time:10.00am to 1.00pm
Wednesday 27/12/2023	63	Estimating, Costing and Valuation (BTN01701)
Friday 29/12/2023	64	Earthquake Engineering (BTN01702)
Sunday 31/12/2023	65	Construction Management and Practices (BTN01703)
Tuesday 02/01/2024	66 67 68 69 70 71 72 73 74 75	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)
Thursday 04/01/2024	498 499 500 502	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:10.00am to 1.00pm
Wednesday 27/12/2023	76	Engineering Economics, Estimation & Costing(197042701)
Friday 29/12/2023	77	Construction Engineering, Management & Construction Practices(197042702)
Sunday 31/12/2023	78	Design of Concrete Structures-II(197042703)
Tuesday 02/01/2024	79	Earthquake Engineering(197042704)
Thursday 04/01/2024	80 81 83 84 85 86 87 88 89	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.	<p align="center">Fourth.Y.(B.Tech.)(CivilEngg.)Sem-II(Neww.e.f.OCT2021) (CBCSPATTERN) Time: :3:00 pm to 6:00 pm</p>
Monday 18/12/2023	90 91 92 93 94 95 96 97 98 99	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)
Tuesday 19/12/2023	100 101 102 103 104 105 106 107 108 109	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)
Wednesday 20/12/2023	110	Railway & Harbour Engineering (197042801)
Thursday 21/12/2023	111	Open Elective-III :Economic policies in India(197042802)
Friday 22/12/2023	112	Professional Practice, Law & Ethics(197042803)

Day & Date	Sr. No.	T.Y.(B.Tech.)(Mechanical Engg.)Sem-I(Neww.e.f.June2022) (CBCS 2020 PATTERN) Time:10.00 am to 1:00pm
Tuesday 26/12/2023	113	Design of Machine Elements (BTN02501)
Thursday 28/12/2023	114	CAD-CAM-CAE (BTN02502)
Saturday 30/12/2023	115	Metallurgy(BTN02503)
Monday 01/01/2024	116	Industrial Engineering(BTN02504)
Wednesday 03/01/2024	117 118 119 120	Professional Elective-III a) GAS TURBINES(BTN02514) b) : Tool Engineering(BTN02515) c) Industrial Hydraulics & Pneumatics(BTN02516) d) Mechanical Vibrations(BTN02517)
Friday 05/01/2024	121 122 123 124	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)
Tuesday 09/01/2024	125 126 127 128 129	Self Learning 1. Economics(BTN02508) 2. IntellectualProperty Rights for Technology Development And Management(BTN02509) 3. IntroductiontoSociology (BTN02510) 4.StressandCoping (BTN02511) 5. ProfessionalEthics&HumanValue(BTN02512)

Day & Date	Sr. No.	T.Y.(B.Tech.)(Mechanical Engg.)Sem-II(New w.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:10:00 am to 1:00pm
Monday 18/12/2023	130	Transmission System Design(BTN02601)
Tuesday 19/12/2023	131	Instrumentation and Control Engineering(BTN02602)
Wednesday 20/12/2023	132	Heat Transfer(BTN02603)
Thursday 21/12/2023	133	Industrial & Quality Management(BTN02604)
Friday 22/12/2023	134 135 136 137	Professional Elective-IV A) Project Management(BTN02608) B) Industrial Product Design(BTN02609) C) Plastic Engineering(BTN02610) D) Railway Transportation System (BTN02611)
Saturday 23/12/2023	138 139 140 141	Honors Degree a) Industrial Networks and Controllers(BTN02612) b) 3D Printing Hardware & Software (BTN02613) c) Energy Conversion Systems(BTN02614) d) Battery Technology and Charging Infrastructure(BTN02615)

Day & Date	Sr. No.	T.Y.(B.Tech.)(Mechanical Engg.)Sem-II(w.e.f.June2020) (CBCSPATTERN) (Old up to OCT-2023) Time:10:00 am to 1:00pm
Monday 18/12/2023	142	Machine Design-II(197041601)
Tuesday 19/12/2023	143	Instrumentation& Control(197041602)
Wednesday 20/12/2023	144	Heat Transfer(197041603)
Thursday 21/12/2023	145	Industrial &Quality Management(197041604)
Friday 22/12/2023	146 147 148 149 150	Professional Elective-IV A) Project Management(197041608) B)Industrial Product Design(197041609) C)Plastic Engineering(197041610) E) Mechanical Vibrations(197041611) F) Railway Transportation.(197041612)
Saturday 23/12/2023	151 152 153 154	Self Learning 1. MANUFACTURINGOF COMPOSITES(197041613) 2. DESIGNPRACTICE(197041614) 3. JOININGTECHNOLOGY FORMETALS(197041615) 4. STEAMPOWERENGINEERING(197041616)

Day & Date	Sr. No.	Fourth.Y.(B.Tech.)(Mechanical Engg.)Sem-I(Neww.e.f.June2023) (CBCS 2020 PATTERN) Time: 10.00 am to1.00pm
Wednesday 27/12/2023	155	Refrigeration and Air Conditioning(BTN02701)
Friday 29/12/2023	156	Automobile Engineering(BTN02702)
Sunday 31/12/2023	157	Automation and Robotics (BTN02703)
Tuesday 02/01/2024	158 159 160 161 162	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)
Thursday 04/01/2024	164 165 166 167	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)
Saturday 06/01/2024	168 169 170 171 172	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.)(Mechanical Engg.)Sem-I(w.e.f.June2021) (CBCSPATTERN) (Old up to MAR-2024) Time: 10.00 am to1.00pm
Wednesday 27/12/2023	173	Refrigeration and Air Conditioning(197041701)
Friday 29/12/2023	174	Automobile Engineering(197041702)
Sunday 31/12/2023	175	Robotics and Artificial Intelligence(197041703)
Tuesday 02/01/2024	176 177 178 179 180 181	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)
Thursday 04/01/2024	182 183 184 185 186 187	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:10.00 am to 1.00 pm
Tuesday 26/12/2023	188	Digital Communication(BTN04501)
Thursday 28/12/2023	189	Digital Signal Processing(BTN04502)
Saturday 30/12/2023	190	Microcontrollers(BTN04503)
Monday 01/01/2024	191 192 193 194	Open Elective- I a) Information Technology and Management(BTN04513) b) Managerial Economics(BTN04514) c) Project Management and Operation Research(BTN04515) d) Business Ethics(BTN04516)
Wednesday 03/01/2024	195 196 197	Honors Degree a) Artificial Intelligence(BTN04517) b) Data Processing & Feature Engineering(BTN04518) c) Industrial IoT(BTN04519)
Tuesday 09/01/2024	198 199 200 201 202	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)

Day & Date	Sr. No.	T.Y. (B.Tech.) (Electronics Engg.) Sem– II (Neww.e.f. NOV. 2022) (CBCS 2020 PATTERN) Time: 10:00 am to 1:00 pm
Monday 18/12/2023	203	Computer Networks(BTN04601)
Tuesday 19/12/2023	204	Embedded Systems(BTN04602)
Wednesday 20/12/2023	205	VLSI Design (BTN04603)
Thursday 21/12/2023	206 207 208	Professional Elective-I a) Image Processing(BTN04609) b) Computer Organization(BTN04610) c) Multimedia Systems(BTN04611)
Friday 22/12/2023	209 210 211 212	Open Elective-II A)OPERATINGSYSTEMS(BTN04605) d) Sensors and Applications(BTN04606) e) Open Source Technologies(BTN04607) f) Power System Planning(BTN04608)
Saturday 23/12/2023	213 214 215	Honors Degree a) AI/MI -Machine Learning(BTN04612) b) Data Science Machine Learning(BTN04613) c) IoT Cloud Platform(BTN04614)

Day&Date	Sr. No.	T.Y. (B.Tech.) (Electronics Engg.) Sem – II (w.e.f. NOV. 2020) (CBCSPATTERN) (Old up to OCT-2023) Time: 10:00 am to 1:00 pm
Monday 18/12/2023	216	Computer Networks(197047601)
Tuesday 19/12/2023	217	Embedded Systems(197047602)
Wednesday 20/12/2023	218	Electronics System Design(197047603)
Thursday 21/12/2023	219	VLSI Design(197047604)
Friday 22/12/2023	220 221 222 223	Open Elective-II A)OPERATINGSYSTEMS(197047606) b) Optical Communication(197047608) c) Sensors and Applications(197047609) d) Advanced Control System(197047607)
Saturday 23/12/2023	224 225 226 227	Self Learning 1.ROBOTICS(197047610) 2. AUTOMOTIVEELECTRONICS(197047611) 3.ELECTRONICINSTRUMENTATION(197047612) 4.PROGRAMMINGWITHJAVA(197047613)

Day & Date	Sr. No.	Fourth.Y.(B.Tech.)(Electronics Engg.)Sem-I(New w.e.f.June2023) (CBCS 2020 PATTERN) Time: 10.00 am to 01.00pm
Wednesday 27/12/2023	228	Advanced Communication Engineering (BTN04701)
Friday 29/12/2023	229	Power Electronics (BTN04702)
Sunday 31/12/2023	230	Mobile Technology (BTN04703)
Tuesday 02/01/2024	231 232 233	Elective-I a) CMOS VLSI Design (BTN04706) b) PLC and Industrial Controllers (BTN04707) c) Software Engineering (BTN04708)
Thursday 04/01/2024	521 522 523	Honors 1. AI Applications ((BTN04710)) 2. Data Science- Business Intelligence ((BTN04712)) 3. IOT- Architecting IOT Solutions ((BTN04714))

Day&Date	Sr. No.	Fourth.Y.(B.Tech.)(Electronics Engg.)Sem-I(w.e.f.June2021) (CBCSPATTERN) (Old up to MAR-2024) Time: 10.00 am to 01.00pm
Wednesday 27/12/2023	234	Power Electronics(197047701)
Friday 29/12/2023	235	CMOSVLSI Design(197047702)
Sunday 31/12/2023	236	Mobile Technology(197047703)
Tuesday 02/01/2024	237	Internet of Things(197047704)
Thursday 04/01/2024	238 239 240	Elective-I a) Image Processing(197047707) b) Mechatronics (197047708) c) Database Management Systems(197047709)

Day&Date	Sr. No.	Fourth.Y.(B.Tech.)(ElectronicsEngg.)Sem-II(Neww.e.f.Oct.2021) (CBCSPATTERN) Time:3.00pm to6.00pm
Monday 18/12/2023	241	Advanced Communication Engineering(197047801)
Tuesday 19/12/2023	242	Audio Video Systems(197047802)
Wednesday 20/12/2023	243 244 245	Elective-II a) Speech processing(197047804) b) PLC and Industrial Controllers (197047805) c) Data Analytics(197047806)
Thursday 21/12/2023	246 247 248	Elective-III Broadband Communication(197047807) Biomedical Instrumentation(197047808) 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
Tuesday 26/12/2023	249	Artificial Intelligence(BTN03501)
Thursday 28/12/2023	250	Operating Systems (BTN03502)
Saturday 30/12/2023	251	Database Engineering (BTN03503)
Monday 01/01/2024	252	Design and Analysis of Algorithm (BTN03504)
Wednesday 03/01/2024	253 254 255	Honors Degree a) Reinforcement Learning (BTN03512) b) Data Preprocessing & Visualization (BTN03513) c) Network Security and Secure Coding (BTN03514)
Tuesday 09/01/2024	256 257 258 259 260	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)

Day & Date	Sr. No.	T.Y.(B.Tech.)(Computer Science and Engg.)Sem-III(Neww.e.f.Nov2022) (CBCS 2020 PATTERN) Time: 10:00 am to 1:00 pm
Monday 18/12/2023	261	System Programming(BTN03601)
Tuesday 19/12/2023	262	Internet of Things (BTN03602)
Wednesday 20/12/2023	263	Software Engineering (BTN03603)
Thursday 21/12/2023	264 265 266	Professional Elective-I a) Cloud Computing (BTN03606) b) Augmented Reality/Virtual Reality (BTN03607) c) Network Security (BTN03608)
Friday 22/12/2023	267 268 269	Open Elective a) Principles of Management : Practicing Ethics, Responsibility, Management(BTN03609) b) Engineering Economics and Management (BTN03610) c) Disaster Management (BTN03611)
Saturday 23/12/2023	270 271 272	Honors Degree 1.Natural Language Processing (BTN03612) 2.Machine Learning (BTN03613) 3.Cyber forensic (BTN03614)

Day & Date	Sr. No.	T.Y. (B.Tech.) (Computer Engg.) Sem – II (w.e.f. June 2020) (Old up to OCT -2023) (CBCS PATTERN) Time: 10:00 am to 1:00 pm
Monday 18/12/2023	273	Compiler Construction(197043601)
Tuesday 19/12/2023	274	Unix Operating System(197043602)
Wednesday 20/12/2023	275	Computer Organization and Architecture (197043603)
Thursday 21/12/2023	276	Artificial Intelligence(197043604)
Friday 22/12/2023	277 278 279	Elective a) OBJECTORIENTEDMODELING&DESIGN(197043607) b) ARTIFICIALNEURALNETWORK(197043608) c) DATASCIENCE(197043609)
Saturday 23/12/2023	280 281	Self Learning 1.UI/UX Technology(197043610) 2.SoftwareLicencesandPractices(197043611)

Day & Date	Sr. No.	Fourth. Y.(B.Tech.)(Computer and Engg.)Sem-I(Neww.e.f.June2023) (CBCS 2020 PATTERN) Time: 10:00 am to 1:00 pm
Wednesday 27/12/2023	282	Software Testing and Quality Assurance (BTN03701)
Friday 29/12/2023	283	Compiler Construction (BTN03702)
Sunday 31/12/2023	284 285 286 287	Elective-II a) Business Intelligence (BTN03706) b) Data Mining (BTN03707) c) Distributed Systems (BTN03708) d)Management Information System (BTN03709)
Tuesday 02/01/2024	288 289 290	Elective-III a) Human Computer Interaction (BTN03710) b) Big Data Analytics (BTN03711) c) Information Retrieval (BTN03712)
Thursday 04/01/2024	291 292 293	Honors Degree a) Deep Learning (BTN03713) b) Predictive Analytics (BTN03715) c) Information Auditing and monitoring (BTN03717)
Sunday 07/01/2024	518 519	Self Learning 1. UI/UX Technology(BTN03719) 2. SoftwareLicencesandPractices(BTN03720) Time: 10:00 am to 12:00 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: :10:00 am to 1:00 pm
Wednesday 27/12/2023	294	Distributed Systems(197043701)
Friday 29/12/2023	295	Machine Learning(197043702)
Sunday 31/12/2023	296	Modern Database System(197043703)
Tuesday 02/01/2024	297 298 299	Elective-II a) Internet of Things(197043707) b) Software Testing and Quality Assurance(197043708) c) Adhoc and Sensor Networks(197043709)
Thursday 04/01/2024	300 301 302	Elective-III a) Business Intelligence(197043710) b) –Data Mining(197043711) c) Real Time Systems(197043712)

Day & Date	Sr. No.	Fourth.Y.(B.Tech.)(ComputerEngg.)Sem-II(Neww.e.f.Nov.2021) (CBCSPATTERN) Time : 3:00 pm to 6:00 pm
Monday 18/12/2023	303	Management Information System(197043801)
Tuesday 19/12/2023	304	Information& Cyber Security(197043802)
Wednesday 20/12/2023	305 306	Elective-IV a) –Bigdata Analytics (197043805) b) Natural Language Programming(197043806)
Thursday 21/12/2023	307 308	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
Tuesday 26/12/2023	309	Electromagnetic Field Theory(BTN06501)
Thursday 28/12/2023	310	Microcontrollers and Applications(BTN06502)
Saturday 30/12/2023	311	Digital Signal Processing(BTN06503)
Monday 01/01/2024	312 313 314 315	Open Elective-I a) Managerial Economics(BTN06511) b) Project Management and Operation Research(BTN06512) c) Information Technology and Management(BTN06513) d) Business Ethics(BTN06514)
Wednesday 03/01/2024	316 317 318 319 320	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)
Tuesday 09/01/2024	321 322 323 324 325	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)

Day&Date	Sr No	T.Y. B. Tech. (Electronics& Telecommunication EnggSem- II) (New w.e.f.Nov.2022) (CBCS 2020 PATTERN) Time: 10:00 am to 1:00 pm
Monday 18/12/2023	326	Antenna & Wave Propagation(BTN06601)
Tuesday 19/12/2023	327	Embedded System(BTN06602)
Wednesday 20/12/2023	328	Electronic System Design(BTN06603)
Thursday 21/12/2023	329 330 501	Professional Elective-I a) Optical Fiber Communication(BTN06609) b) . Image and Video Processing(BTN06610) c) Multimedia Communication Technology(BTN06611)
Friday 22/12/2023	331 332 333 334	Open Elective-II a) Sensors and Applications(BTN06605) b) Open Source Technologies(BTN06606) c) Operating Systems(BTN06607) d) Power System Planning(BTN06608)
Saturday 23/12/2023	335 336 337 338 339	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>T.Y. B. Tech. (Electronics& Telecommunication Engg Sem– II</u> <u>(w.e.f.June2020) (Old up to Oct.-2023)</u> (CBCSPATTERN) Time: 10:00 am to 1:00 pm
Monday 18/12/2023	340	Antenna & Wave Propagation (197044601)
Tuesday 19/12/2023	341	Embedded System(197044602)
Wednesday 20/12/2023	342	Electronic System Design(197044603)
Thursday 21/12/2023	343	Advanced Mobile Communication(197044604)
Friday 22/12/2023	344 345 346 347	Open Elective-II a) Optical Communication(197044608) b) Sensors & Applications(197044609) c) Operating Systems (197044606) d)Advanced Control System(197044607)
Saturday 23/12/2023	348 349 350	Self Learning a) Computer Organization(197044610) b)Renewable Energy Systems(197044611) c) Soft Computing (197044612)

Day & Date	Sr. No.	<u>Fourth.Y.(B.Tech.)(E&TEngg.)Sem–I(Neww.e.f.June2023)</u> (CBCS 2020 PATTERN) Time: 10:00 am to 1:00 pm
Wednesday 27/12/2023	351	Microwave Engineering (BTN06701)
Friday 29/12/2023	352	Data Communication (BTN06702)
Sunday 31/12/2023	353	VLSI Design (BTN06703)
Tuesday 02/01/2024	354 355 356	Professional Elective-II a) PLC and Industrial Controllers (BTN06707) b) Mobile Communication (BTN06708) c) DSP Processor and application (BTN06709)
Thursday 04/01/2024	357 358 503 504 505	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)
Saturday 06/01/2024	507	Research Methodology (BTN06704)

Day & Date	Sr. No.	<u>Fourth.Y.(B.Tech.)(E&TEngg.)Sem-I(w.e.f.June2021)</u> (CBCSPATTERN) (Old up to MAR-2024) Time: 10:00 am to 1:00 pm
Wednesday 27/12/2023	359	Machine Learning(197044701)
Friday 29/12/2023	360	Data Communication(197044702)
Sunday 31/12/2023	361	Internet of Things(197044703)
Tuesday 02/01/2024	363	Database Management System(197044704)
Thursday 04/01/2024	364 365	Elective-II a) Image & Video Processing(197044707) b) Wireless Sensor Network(197044708)

Day & Date	Sr. No.	<u>Fourth.Y.(B.Tech.)(E&TEngg.)Sem-II(Neww.e.f.Oct.2021)</u> (CBCSPATTERN) Time: 3:00 pm to 6:00 pm
Monday 18/12/2023	366	Microwave Engineering(197044801)
Tuesday 19/12/2023	367	CMOSVLSI Design(197044802)
Wednesday 20/12/2023	368 369	Elective-III a. Industrial IOT(197044804) b. Artificial Intelligence and Applications(197044805)
Thursday 21/12/2023	370 371	Elective-IV a. Network Security (197044806) b. 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
Tuesday 26/12/2023	372	System Software(BTN05501)
Thursday 28/12/2023	373	Operating Systems(BTN05502)
Saturday 30/12/2023	374	Database Engineering(BTN05503)
Monday 01/01/2024	375	Design and Analysis of Algorithms(BTN05504)
Wednesday 03/01/2024	376 377 378	Honors Degree a) Reinforcement Learning(BTN05512) b) Data Preprocessing & Visualization(BTN05513) c) Network Security and Secure Coding(BTN05514)
Tuesday 09/01/2024	379 380 381 382 383	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)

Day & Date	Sr. No.	T.Y.(B.Tech.)(Information Technology)Sem-II (NEW w.e.f.Nov.2022) (CBCS 2020 PATTERN) Time: 10:00 am to 1:00 pm
Monday 18/12/2023	384	Artificial Intelligence(BTN05601)
Tuesday 19/12/2023	385	Object Oriented Modeling & Design(BTN05602)
Wednesday 20/12/2023	386	Software Engineering(BTN05603)
Thursday 21/12/2023	387 388 389	Professional Elective – I a) Cloud Computing(BTN05606) b) Augmented Reality/Virtual Reality(BTN05607) c) Network Security(BTN05608)
Friday 22/12/2023	390 391 392	Open Elective a) Principles of Management: Practicing Ethics, Responsibility, Sustainability(BTN05609) b) Engineering Economics and Management(BTN05610) c) Disaster Management(BTN05611)
Saturday 23/12/2023	393 394 395	Honors Degree a) Natural Language Processing(BTN05612) b) Machine Learning (BTN05613) c) Cyber forensic(BTN05614)

Day & Date	Sr. No.	<u>T.Y.(B.Tech.) (Information Technology)Sem-II(w.e.f.June2020)</u> (CBCSPATTERN) (Old up to Oct.-2023) Time: 10:00 am to 1:00 pm
Monday 18/12/2023	396	Software Engineering(197046601)
Tuesday 19/12/2023	397	Object Oriented Modeling and Design(197046602)
Wednesday 20/12/2023	398	Artificial Intelligence(197046603)
Thursday 21/12/2023	399 400	Elective-I a) Data Science(197046607) b) Artificial Neural Network(197046608)
Friday 22/12/2023	401 402	Self Learning 1. USERINTERFACETECHNOLOGIES(197046609) 2. AGILEPROJECTMANAGEMENT (197046610)

Day & Date	Sr. No.	<u>Fourth.Y.(B.Tech.)(Information Technology Engg.)Sem-I</u> (Neww.e.f.June2023) (CBCS 2020 PATTERN) Time:10:00 am to 1:00 pm
Wednesday 27/12/2023	403	Cyber Security (BTN05701)
Friday 29/12/2023	404	Management Information Systems (BTN05702)
Sunday 31/12/2023	406 407 408	Professional Elective-II a) Internet of Things(BTN05706) b) Distributed Systems (BTN05707) C)Blockcha in Technology (BTN05708)
Tuesday 02/01/2024	409 410 411	Professional Elective-III a) Human Computer Interaction (BTN05709) b) Big Data Analytics (BTN05710) c) Information Retrieval (BTN05711)
Thursday 04/01/2024	515 516 517	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-I (w.e.f.June2021) (Old up to MAR-2024) (CBCSPATTERN) Time: 10:00 am to 1:00 pm
Wednesday 27/12/2023	412	Machine Learning(197046701)
Friday 29/12/2023	413	Advanced Database System(197046702)
Sunday 31/12/2023	414	Software Testing and Quality Assurance(197046703)
Tuesday 02/01/2024	415	Distributed Systems(197046704)
Thursday 04/01/2024	416 417 418	Elective-II a) Data Mining(197046707) b) Internet Of Things(197046708) C)Business Intelligence(197046709)

Day & Date	Sr.4 No.	Fourth. Y. (B.Tech.)(Information Technology Engg.) Sem-II (New w.e.f.Oct.2021) (CBCSPATTERN) Time: 3:00 pm to 6:00 pm
Monday 18/12/2023	419	Management Information System(197046801)
Tuesday 19/12/2023	420	Information Assurance and Security(197046802)
Wednesday 20/12/2023	421 422	Elective-IV a) Big Data Analytics (197046805) b) Cloud Computing(197046806)
Thursday 21/12/2023	423 424	Elective-V a) Natural Language Processing(197046807) b) Information Retrieval(197046808)

Day & Date	Sr. No.	T.Y.(B.Tech.)(Electrical Engg.)Sem-I(Neww.e.f.June2022) (CBCS 2020 PATTERN) Time:10:00 pm to 1:00 pm
Tuesday 26/12/2023	425	Power System-III(BTN07501)
Thursday 28/12/2023	426	Linear Control System(BTN07502)
Saturday 30/12/2023	427	Advanced Microcontroller System (BTN07503)
Monday 01/01/2024	428	Electromagnetic Engineering (BTN07504)
Wednesday 03/01/2024	429 430 431 433	Open Elective-I a) Information Technology& Management(BTN07512) b) Advanced Electrical Machines (BTN07513) c) Business Ethics(BTN07514) d) Managerial Economics(BTN07515)
Friday 05/01/2024	434 435	Honors Degree 1. Smart Energy Management System (BTN07516) 2. Electric Motors and Controls for Electric Vehicle (BTN07517)
Tuesday 09/01/2024	436 437 438 439 440	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)

Day & Date	Sr. No.	T.Y.(B.Tech.)(Electrical Engg.)Sem-II(Neww.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:10:00 pm to 1:00 pm
Monday 18/12/2023	441	Electrical Machine Design (BTN07601)
Tuesday 19/12/2023	442	Electrical Utilization(BTN07602)
Wednesday 20/12/2023	443	Power Electronics & Industrial Drives (BTN07603)
Thursday 21/12/2023	444	Advanced Control Systems(BTN07604)
Friday 22/12/2023	445 446 447 448	Open Elective-I a) Operating Systems(BTN07606) b) Renewable Energy Sources(BTN07607) c) Fiber Optic Communication(BTN07608) d) Sensors & Applications(BTN07609)
Saturday 23/12/2023	449 450 451	Self Learning 1. Hybrid Electric Vehicle Design (BTN07610) 2. Electrical Safety(BTN07611) 3. Solar Photovoltaic System Design & Installation(BTN07612)
Sunday 24/12/2023	452 453	Honars Subject. 1. Energy Management System for Electric Vehicle (BTN07614) 2. Distributed Energy Integration (BTN07613)

Day & Date	Sr. No.	<u>T.Y.(B.Tech.)(Electrical Engg.)Sem-II(w.e.f.Nov2022)</u> <u>(CBCSPATTERN) (Old Up to OCT.- 2023)</u> Time:10:00 pm to 1:00 pm
Monday 18/12/2023	454	Electrical Machine Design(197045601)
Tuesday 19/12/2023	455	Electrical Utilisation (197045602)
Wednesday 20/12/2023	456	Power Electronics(197045603)
Thursday 21/12/2023	457	Signals & Systems(197045604)
Friday 22/12/2023	458 459 460 461	Open Elective-I a) Operating Systems(197045606) b)Advanced control System(197045607) c)Optical Communication(197045608) d) Sensors& Applications(197045609)
Saturday 23/12/2023	462 463 464	Self Learning 1.SpecialPurposeMachines(197045610) 2.ElectricalSafety(197045611) 3. Solar Photovoltaic System Design & Installation(197045612)

Day & Date	Sr. No.	<u>Fourth.Y. (B.Tech.) (Electrical Engg.)Sem-I (New w.e.f.June2023)</u> <u>(CBCS 2020 PATTERN)</u> Time:10:00 am to 1:00 pm
Wednesday 27/12/2023	465	Power Quality and FACTS (BTN07701)
Friday 29/12/2023	466	Signals and System (BTN07702)
Sunday 31/12/2023	467	Switchgear and Protection (BTN07703)
Tuesday 02/01/2024	468 469 470 471 472 473	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)
Thursday 04/01/2024	474 475 476 477 478 479	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)
Saturday 06/01/2024	508 509	Honors Subject a) Testing & Certification of Electric & Hybrid vehicles (BTN07719) b) AI Application to Power system management (BTN07717)

Day & Date	Sr. No.	Fourth.Y. (B.Tech.)(Electrical Engg.)Sem-I(Neww.e.f.June2021) (CBCSPATTERN) (Old up to MAR-2024) Time: 10:00 am to 1:00 pm
Wednesday 27/12/2023	480	Industrial Drives Control(197045701)
Friday 29/12/2023	481	Power System and Operation Control(197045702)
Sunday 31/12/2023	482	Renewable Energy Sources(197045703)
Tuesday 02/01/2024	483	Switchgear and Protection(197045704)
Thursday 04/01/2024	484 485 486 487	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.	Fourth.Y.(B.Tech.)(Electrical Engg.)Sem-II(Neww.e.f.Nov.2021) (CBCSPATTERN) Time: 3:00 pm to 6:00 pm
Monday 18/12/2023	488	Power Quality &FACTS (197045801)
Tuesday 19/12/2023	489	Extra High Voltage AC Transmission(197045802)
Wednesday 20/12/2023	490 491 492 493	Elective-II a) Power System Planning(197045804) b) Neural Network& Fuzzy Logic(197045805) c) Advance Electrical Drives(197045806) d) Smart Grid Technology(197045807)
Thursday 21/12/2023	494 495 496 497	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: 16/12/2023