

# PUNYASHLOKAHILYADEVIHOLKAR SOLAPUR UNIVERSITY, SOLAPUR

EXAM OF 2023 SEMESTER PATTERN EXAMINATION

## **CLUSTER OF ENGINEERING COLLEGES**

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

#### **EXAMINATIONS IN THE BRANCHES**

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

**MAR/APR-2023 EXAMINATION TO BE HELD IN JUNE-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 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 Manel 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>(CBCSPATTERN 2020)</b> <b>Time:10:00 am to 1:00pm</b>
<b>Friday 07/07/2023</b>	1	Design of Steel Structures (BTN01501)
<b>Saturday 08/07/2023</b>	2	Geotechnical Engineering (BTN01502)
<b>Monday 10/07/2023</b>	3	Highway and Tunnel Engineering (BTN01503)
<b>Tuesday 11/07/2023</b>	4	Hydrology and Water Resources Engineering(BTN01504)
<b>Wednesday 12/07/2023</b>	5	Design of Concrete Structures I (BTN01505)
<b>Thursday 13/07/2023</b>	6	Environmental Engineering-II (BTN01506)
<b>Friday 14/07/2023</b>	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)
<b>Saturday 15/07/2023</b>	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)

Day&Date	Sr. No.	<b><u>T.Y.(B.Tech.)(CivilEngg.)Sem-I(w.e.f.Nov.2020)</u></b> <b>(CBCSPATTERN) (Old up to MAR-2023)</b> <b>Time:10:00 am to 1:00pm</b>
<b>Friday</b> <b>07/07/2023</b>	16	Design of Steel Structures(197042501)
<b>Saturday</b> <b>08/07/2023</b>	17	Geotechnical Engineering(197042502)
<b>Monday</b> <b>10/07/2023</b>	18	Wastewater Engineering & Air Pollution(197042503)
<b>Tuesday</b> <b>11/07/2023</b>	19	Highway & Tunnel Engineering(197042504)
<b>Wednesday</b> <b>12/07/2023</b>	20	Hydrology and Water Resources Engineering(197042505)
<b>Saturday</b> <b>15/07/2023</b>	21 22 23 24 25	<b>Self Learning</b> 1.Economics(197042509) 2.Intellectual Property Rights for Technology Development And Management(197042510) 3.Introduction to Sociology(197042511) 4.Stress and Coping(197042512) 5.Professional Ethics & Human Value(197042513)

Day&Date	Sr. No.	T.Y.(B.Tech.)(CivilEngg.)Sem– II ( Neww.e.f.Nov.2022)(CBCSPATTERN 2020) Time:3:00 pmto 6:00pm
Monday 17/07/2023	26	Foundation Engineering(BTN01601)
Wednesday 19/07/2023	27	Hydraulic Structures &Water Power Engg (BTN01602)
Friday 21/07/2023	28	<b>Professional Elective-I</b> A) Structural Analysis by Matrix Methods(BTN01608)
	29	B) Structural Dynamics (BTN01609)
	30	c) Design of Bridges (BTN01610)
	31	d) Design of Pre stressed concrete structures (BTN01611)
	32	e) Airport Planning and Design (BTN01612)
	33	f)Pavement Design(BTN01613)
	34	g) Construction Engineering Materials (BTN01614)
	35	h) Systems Engineering & Economics (BTN01615)
	36	i) Advanced Concrete Technology (BTN01616)
	37	j) Open Channel flow & River Hydraulics (BTN01617)
	38	k) Solid and Hazardous Waste Management (BTN01618)
	39	l) Urban Hydrology and Hydraulics (BTN01619)
Monday 24/07/2023	40	Design of Concrete Structures II (BTN01603)
Wednesday 26/07/2023	41	Principles of Management and Quantitative Techniques (BTN01604)
Friday 28/07 /2023	42	Railway, Airport &Harbour Engineering (BTN01605)
Monday 31/07/2023		<b><u>Honors Degree</u></b>
	43	1. Disaster Preparedness and Response(BTN01620)
	44	2. Roads and Highway Project Development(BTN01621)
	45	3. Sustainable Materials and Green Buildings (BTN01622)
46	4. Engineering System Design Optimization(BTN01623)	

<b>Day&amp;Date</b>	<b>Sr. No.</b>	<b><u>T.Y.(B.Tech.)(CivilEngg.)Sem-II(w.e.f.Nov.2020)</u> <u>(CBCSPATTERN) (Old up to OCT-2023)</u> <b>Time:3:00 pm to 6:00 pm</b></b>
<b>Monday 17/07/2023</b>	47	Foundation Engineering(197042601)
<b>Wednesday 19/07/2023</b>	48	Hydraulic Structures &Water Power Engg(197042602)
<b>Friday 21/07/2023</b>	49	<b>Professional Elective-I</b> a)Masonry Structures(197042607)
	50	b)Structural Analysis by Matrix Methods(197042608)
	51	c)Structural Dynamics(197042609)
	52	d)Structural Geology(197042610)
	53	e) Urban Transportation Planning.(197042611)
	54	f)Pavement Design(197042612)
	55	g)Metro Systems and Engineering(197042613)
	56	h)Construction Engineering Materials(197042614)
	57	i)Systems Engineering & Economics(197042615)
	58	j)Infrastructure Planning and Management(197042616)
	59	k)Ecological Engineering(197042617)
	60	l)Solid and Hazardous Waste Management(197042618)
	61	m) Physico-Chemical Processes for Water and Wastewater Treatment (197042619)
	62	n)Hydraulic modeling (197042620)
63	o)Urban Hydrology and Hydraulics(197042621)	
64	p) Instrumentation &Sensor Technologies for Civil Engg. Applications(197042622)	
65	q)Open Channel flow & River Hydraulics(197042623)	
<b>Monday 24/07/2023</b>	66	Design of Concrete Structures-I(197042603)
<b>Wednesday 26/07/2023</b>	67	Principles of Management and Quantitative Techniques (197042604)
<b>Friday 28/07 /2023</b>	68	<b>Self Learning</b> 6.GeosyntheticsandReinforcedSoil Structures(197042624)
	69	7. Rural Roads(197042625)
	70	8. Planning for Sustainable Development(197042626)
	71	9. TQ and MIS in Civil Engineering(197042627)
	72	10. Earthquake Resistant Non Engineered Construction (197042628)

Day&Date	Sr. No.	<b>Fourth.Y.(B.Tech.)(CivilEngg.)Sem-I (Neww.e.f.June2021)</b> <b>(CBCSPATTERN)</b> <b>Time:3.00pm to 06.00pm</b>
<b>Tuesday</b> <b>04/07/2023</b>	73	Engineering Economics, Estimation& Costing(197042701)
<b>Wednesday</b> <b>05/07/2023</b>	74	Construction Engineering, Management & Construction Practices(197042702)
<b>Thursday</b> <b>06/07/2023</b>	75	Design of Concrete Structures-II(197042703)
<b>Friday</b> <b>07/07/2023</b>	76	Earthquake Engineering(197042704)
<b>Saturday</b> <b>08/07/2023</b>	77 78 79 80 81 82 83 84 85	<b>Professional Elective-II</b> a) Metal Structure Behaviour-I(197042709) b) Advanced Structural Analysis(197042710) c) Finite Element Method(197042711) d) Traffic Engineering and Management(197042712) e) Geo synthetics and soil structures(197042713) f) Advanced Railway Track(197042714) g) Construction Productivity(197042715) h) Environmental Systems(197042716) i) Water Power Engineering(197042717)

<b>Day&amp;Date</b>	<b>Sr. No.</b>	<b>Fourth.Y.(B.Tech.)(CivilEngg.)Sem-II (Neww.e.f.OCT2021) (CBCSPATTERN) Time: :3:00 pm to 6:00 pm</b>
<b>Monday 19/06/2023</b>	86 87 88 89 90 91 92 93 94 95	<b>Professional Elective-III</b> Industrial Structures(197042805) Public Transportation Systems (197042807) Construction Cost Analysis(197042810) Rural Water Supply and Onsite Sanitation Systems (197042812)Repairs &Rehabilitation of Structures (197042806) Airport Planning and Design (197042808) Construction Equipment & Automation (197042811) Air & Noise Pollution and Control(197042813) High Speed Rail Engineering (197042809) Surface Hydrology(197042814)
<b>Wednesday 21/06/2023</b>	96 97 98 99 100 101 102 103 104 105	<b>Professional Elective-IV</b> Metal Structure Behaviour – II (197042815 ) Infrastructure Planning and Design (197042817) Advanced Concrete Technology (197042821) Water and Air Quality Modelling (197042823) Design of Bridges(197042816) Transportation Economics(197042818) Entrepreneurship(197042822) Water Resources Field Methods (197042824) Railway Project Design & Planning for Civil Engineering (197042819) Ground Improvement Techniques (197042820)
<b>Friday 23/06/2023</b>	106	Railway & Harbour Engineering (197042801)
<b>Saturday 01/07/2023</b>	107	Open Elective-III :Economic policies in India(197042802)
<b>Sunday 03/07/2023</b>	108	Professional Practice, Law & Ethics(197042803)

Day&Date	Sr. No.	T.Y.(B.Tech.)(MechanicalEngg.)Sem-I(Neww.e.f.June2022) (CBCSPATTERN 2020) Time:10.00 amto 1:00pm
Friday 07/07/2023	109	Design of Machine Elements (BTN02501)
Saturday 08/07/2023	110	CAD-CAM-CAE (BTN02502)
Monday 10/07/2023	111	Metallurgy(BTN02503)
Tuesday 11/07/2023	112	Industrial Engineering(BTN02504)
Wednesday 12/07/2023	113 114 115 116	<b>Professional Elective-III</b> a) GAS TURBINES(BTN02514) b) : Tool Engineering(BTN02515) c) Industrial Hydraulics & Pneumatics(BTN02516) d) Mechanical Vibrations(BTN02517)
Thursday 13/07/2023	117 118 119 120	<b>Honors Degree</b> Machine Vision(BTN02518) Printing Material(BTN02519) Energy Conservation, Management And Audit(BTN02520) Introduction to Electric and Hybrid Electric Vehicles(BTN02521)
Saturday 15/07/2023	121 122 123 124 125	<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)



Day&Date	Sr. No.	<u>T.Y.(B.Tech.)(MechanicalEngg.)Sem-I(w.e.f.June2020)</u> <b>(CBCSPATTERN) (Old up to MAR-2023)</b> <b>Time:10.00 am to 1:00 pm</b>
Friday 07/07/2023	126	Machine Design-I(197041501)
Saturday 08/07/2023	127	CAD-CAM&CAE(197041502)
Monday 10/07/2023	128	Metallurgy(197041503)
Tuesday 11/07/2023	129	Industrial Engineering and Operation Research(197041504)
Wednesday 12/07/2023	130 131 132 133	<b>Professional Elective-I</b> a) Gasturbines(197041507) b) Industrial Hydraulics and Pneumatics (197041508) c) Non Conventional Machining(197041509) d) Tool Engineering(197041510)
Saturday 15/07/2023	134 135 136 137 138	<b>Self Learning</b> 1.Economics(197041512) 2. Intellectual Property Rights for Technology Development and Management(197041513) 3. Introduction to Sociology(197041514) 4. Stress and Coping(197041515) 5. Professional Ethics & Human Value(197041516)

Day&Date	Sr. No.	<u>T.Y.(B.Tech.)(MechanicalEngg.)Sem-II(Neww.e.f.Nov.2022)</u> <b>( CBCSPATTERN 2020)</b> <b>Time: 3:00 pm to 6:00pm</b>
Monday 17/07/2023	139	Transmission System Design(BTN02601)
Wednesday 19/07/2023	140	Instrumentation and Control Engineering(BTN02602)
Friday 21/07/2023	141	Heat Transfer(BTN02603)
Monday 24/07/2023	142	Industrial & Quality Management(BTN02604)
Wednesday 26/07/2023	143 144 145 146	Professional Elective-IV A) Project Management(BTN02608) B) Industrial Product Design(BTN02609) C) Plastic Engineering(BTN02610) D) Railway Transportation System (BTN02611)
Friday 28/07/2023	147 148 149 <b>903</b>	<b>Honors Degree</b> Industrial Networks and Controllers(BTN02612) Printing Hardware and Software 3D Printing Hardware & Software (BTN02613) Energy Conversion Systems(BTN02614) <b>Battery Technology and Charging Infrastructure</b> (BTN02615)

Day&Date	Sr. No.	<b>T.Y.(B.Tech.)(MechanicalEngg.)Sem-II(w.e.f.June2020)</b> <b>(CBCSPATTERN) (Old up to OCT-2023)</b> <b>Time:3:00 pmto 6:00pm</b>
Monday 17/07/2023	150	Machine Design-II(197041601)
Wednesday 19/07/2023	151	Instrumentation & Control(197041602)
Friday 21/07/2023	152	Heat Transfer(197041603)
Monday 24/07/2023	153	Industrial& Quality Management(197041604)
Wednesday 26/07/2023	154 155 156 157 158	Professional Elective-IV A) Project Management(197041608) B)Industrial Product Design(197041609) C)Plastic Engineering(197041610) E) Mechanical Vibrations(197041611) F) Railway Transportation.(197041612)
Friday 28/07 /2023	159 160 161 162	<b>Self Learning</b> 6. MANUF ACTURING OF COMPOSITES (197041613) 7. DESIGN PRACTICE(197041614) 8. JOINING TECHNOLOGY FOR METALS(197041615) 9. STEAMPOWERENGINEERING(197041616)

Day&Date	Sr. No.	<b>Fourth.Y.(B.Tech.)(MechanicalEngg.)Sem-II(Neww.e.f.June2021)</b> <b>(CBCSPATTERN)</b> <b>Time:03.00pm to06.00pm</b>
Tuesday 04/07/2023	163	Refrigeration and Air Conditioning(197041701)
Wednesday 05/07/2023	164	Automobile Engineering(197041702)
Thursday 06/07/2023	165	Robotics and Artificial Intelligence(197041703)
Friday 07/07/2023	166 167 168 169 170 171	<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)
Saturday 08/07/2023	172 173 174 175 176 177	<b>Open Elective</b> a) CostingandCostControl(197041712) b) EntrepreneurshipDevelopment (197041713) c) BusinessDevelopment (197041714) d) ProductLifeCycleManagement(197041715) e) BusinessEconomics(197041716) f) ReliabilityEngineering(197041717)

Day&Date	Sr. No.	T.Y. (B.Tech.) (Electronics Engg.) Sem- I (New w.e.f. NOV. 2022) ((CBCSPATTERN 2020) Time:10.00 am to 1.00pm
Friday 07/07/2023	178	Digital Communication(BTN04501)
Saturday 08/07/2023	179	Digital Signal Processing( BTN04502)
Monday 10/07/2023	180	Microcontrollers( BTN04503)
Tuesday 11/07/2023	181 182 183 184	<b>Open Elective- I</b> Information Technology and Management(BTN04513) Managerial Economics(BTN04514) Project Management and Operation Research(BTN04515) Business Ethics(BTN04516)
Wednesday 12/07/2023	185 186 187	<b>Honors Degree</b> Artificial Intelligence(BTN04517) Data Processing & Feature Engineering(BTN04518) Industrial IoT(BTN04519)
Saturday 15/07/2023	188 189 190 191 192	<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)

Day&Date	Sr. No.	<b>T.Y. (B.Tech.) (Electronics Engg.) Sem – I (New w.e.f. NOV. 2020)(CBCSPATTERN) (Old up to MAR-2023)</b> <b>Time:10.00 am to 1.00 pm</b>
<b>Friday</b> <b>07/07/2023</b>	193	Digital Communication(197047501)
<b>Saturday</b> <b>08/07/2023</b>	194	Digital Signal Processing(197047502)
<b>Monday</b> <b>10/07/2023</b>	195	Microcontrollers(197047503)
<b>Tuesday</b> <b>11/07/2023</b>	196	Electro Magnetic Engineering(197047504)
<b>Wednesday</b> <b>12/07/2023</b>	197 198 199 200	<b>OpenElective-I</b> a) Information Technology& Management(197047506) b) Hybrid Electric Vehicle Design(197047507) c) Business Ethics(197047508) d)Managerial Economics(197047509)
<b>Saturday</b> <b>15/07/2023</b>	201 202 203 204 205	<b>SelfLearning</b> 10.Economics(197047510) 11. Intellectual Property Rights for Technology Development andManagement(197047511) 12. IntroductiontoSociology(197047512) 13. StressandCoping(197047513) 14. ProfessionalEthics&HumanValue(197047514)

Day&Date	Sr. No.	<b>T.Y. (B.Tech.) (Electronics Engg.) Sem– II (Neww.e.f. NOV. 2022)</b> <b>(CBCSPATTERN 2020)</b> <b>Time: 3:00 pm to 6:00 pm</b>
Monday 17/07/2023	206	Computer Networks(BTN04601)
Wednesday 19/07/2023	207	Embedded Systems(BTN04602)
Friday 21/07/2023	208	VLSIDesign(BTN04603)
Monday 24/07/2023	213 214 215	<b>Professional Elective-I</b> a) Image Processing(BTN04609) b) Computer Organization(BTN04610) c) Multimedia Systems(BTN04611)
Wednesday 26/07/2023	209 210 211 212	<b>Open Elective-II</b> A)OPERATINGSYSTEMS(BTN04605) d) Sensors and Applications(BTN04606) e) Open Source Technologies(BTN04607) f) Power System Planning(BTN04608)
Friday 28/07 /2023	904 905 906	<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>T.Y. (B.Tech.) (Electronics Engg.) Sem – II (w.e.f. NOV. 2020)</b> <b>(CBCSPATTERN) (Old up to OCT-2023)</b> <b>Time: 3:00 pm to 6:00 pm</b>
Monday 17/07/2023	216	Computer Networks(197047601)
Wednesday 19/07/2023	217	Embedded Systems(197047602)
Friday 21/07/2023	218	Electronics System Design(197047603)
Monday 24/07/2023	219	VLSIDesign(197047604)
Wednesday 26/07/2023	220 221 222 223	<b>Open Elective-II</b> A)OPERATINGSYSTEMS(197047606) b) Optical Communication(197047608) c) Sensors and Applications(197047609) d) Advanced Control System(197047607)
Thursday 28/07/2023	224 225 226 227	<b>Self Learning</b> 15.ROBOTICS(197047610) 16. AUTOMOTIVEELECTRONICS(197047611) 17.ELECTRONICINSTRUMENTATION(197047612) 18.PROGRAMMINGWITHJAVA(197047613)

Day&Date	Sr. No.	<b>Fourth.Y.(B.Tech.)(ElectronicsEngg.)Sem-I(Neww.e.f.June2021)</b> <b>(CBCSPATTERN)</b> <b>Time:03.00pm to06.00pm</b>
<b>Tuesday</b> <b>04/07/2023</b>	228	Power Electronics(197047701)
<b>Wednesday</b> <b>05/07/2023</b>	229	CMOSVLSI Design(197047702)
<b>Thursday</b> <b>06/07/2023</b>	230	Mobile Technology(197047703)
<b>Friday</b> <b>07/07/2023</b>	231	Internet of Things(197047704)
<b>Saturday</b> <b>08/07/2023</b>	232 233 234	<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.)(ElectronicsEngg.)Sem-II(Neww.e.f.Oct.2021)</b> <b>(CBCSPATTERN)</b> <b>Time:3.00pm to6.00pm</b>
<b>Monday</b> <b>19/06/2023</b>	235	Advanced Communication Engineering(197047801)
<b>Wednesday</b> <b>21/06/2023</b>	236	Audio Video Systems(197047802)
<b>Friday</b> <b>23/06/2023</b>	237 238 239	<b>Elective-II</b> Speech processing(197047804) PLC and Industrial Controllers (197047805) Data Analytics(197047806)
<b>Saturday</b> <b>01/07/2023</b>	240 241 242	<b>Elective-III</b> Broadb and Communication(197047807) Biomedical Instrumentation(197047808) Computer Architecture(197047809)

Day&Date	Sr. No.	T.Y.(B.Tech.)(ComputerScience&Engg.)Sem-I(Neww.e.f.June2022) (CBCSPATTERN 2020) Time:10.00am to1.00pm
Friday 07/07/2023	243	Artificial Intelligence(BTN03501)
Saturday 08/07/2023	244	Operating Systems (BTN03502)
Monday 10/07/2023	245	Database Engineering (BTN03503)
Tuesday 11/07/2023	246	Design and Analysis of Algorithm (BTN03504)
Wednesday 12/07/2023	247	<b>Honors Degree</b> Reinforcement Learning (BTN03512)
	248	Data Preprocessing & Visualization (BTN03513)
	249	Network Security and Secure Coding (BTN03514)
Saturday 15/07/2023	250	<b>Self Learning</b> 1.Economics(BTN03506)
	251	2. IntellectualPropertyRightsforTechnologyDevelopmentandM agement(BTN03507)
	252	3. Introduction to Sociology(BTN03508)
	253	4. Stress andCoping(BTN03509)
	254	5. Professional Ethics &Human Value(BTN03510)

Day & Date	Sr. No.	T.Y. (B.Tech.) (Computer Science &Engg.) Sem – I (w.e.f. June 2020) (Old up to MAR-2023) (CBCS PATTERN) Time:10.00am to1.00pm
Friday 07/07/2023	255	System Programming (197043501)
Saturday 08/07/2023	256	Operating Systems (197043502)
Monday 10/07/2023	257	Software Engineering (197043503)
Tuesday 11/07/2023	258	Database Engineering (197043504)
Wednesday 12/07/2023	259	Design and Analysis of Algorithm (197043505)
Saturday 15/07/2023	260	Self Learning 1. Economics (197043509)
	261	2.Intellectual Property Rights for Technology Development and Magement (197043510)
	262	3. Introduction to Sociology (197043511)
	263	4. Stress and Coping (197043512)
	264	5. Professional Ethics & Human Value (197043513)

Day&Date	Sr	T.Y.(B.Tech.)(ComputerScience and Engg.)Sem-III(Neww.e.f.Nov2022) (CBCSPATTERN 2020) Time: 3:00 pm to 6:00 pm
Monday 17/07/2023	265	System Programming(BTN03601)
Wednesday 19/07/2023	266	Internet of Things (BTN03602)
Friday 21/07/2023	267	Software Engineering (BTN03603)
Monday 24/07/2023	268 269 270	<b>Professional Elective-I</b> Cloud Computing (BTN03606) Augmented Reality/Virtual Reality (BTN03607) Network Security (BTN03608)
Wednesday 26/07/2023	271 272 273	<b>Open Elective</b> <b>Principles of Management : Practicing Ethics, Responsibility, Management</b> (BTN03609) Engineering Economics and Management (BTN03610) Disaster Management (BTN03611)
Friday 28/07/2023	274 275 276	<b>Honors Degree</b> 6. Natural Language Processing (BTN03612) 7. Machine Learning (BTN03613) 8. 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: 3:00 pm to 6:00 pm
Monday 17/07/2023	277	Compiler Construction(197043601)
Wednesday 19/07/2023	278	Unix Operating System(197043602)
Friday 21/07/2023	279	Computer Organization and Architecture (197043603)
Monday 24/07/2023	280	Artificial Intelligence(197043604)
Wednesday 26/07/2023	281 282 283	Elective OBJECTORIENTEDMODELING&DESIGN(197043607)A RTIFICIALNEURALNETWORK(197043608) DATASCIENCE(197043609)
Friday 28/07 /2023	284 285	<b>Self Learning</b> 9. UI/UX Technology(197043610) 10. Software Licences and Practices(197043611)

Day&Date	Sr. No.	Fourth.Y.(B.Tech.)(Computer and Engg.)Sem–I(Neww.e.f.June2021) (CBCSPATTERN) Time: :3:00 pm to 6:00 pm
Tuesday 04/07/2023	286	Distributed Systems(197043701)
Wednesday 05/07/2023	287	Machine Learning(197043702)
Thursday 06/07/2023	288	Modern Database System(197043703)
Friday 07/07/2023	289 290 291	<b>Elective-II</b> a) Internet of Things(197043707) b) Software Testing and Quality Assurance(197043708) c) Adhoc and Sensor Networks(197043709)
Saturday 08/07/2023	292 293 294	<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(Neww.e.f.Nov.2021)</b> <b>(CBCSPATTERN)</b> <b>Time: :3:00 pm to 6:00 pm</b>
Monday 19/06/2023	295	Management Information System(197043801)
Wednesday 21/06/2023	296	Information& Cyber Security(197043802)
Friday 23/06/2023	297 298	<b>Elective-IV</b> a) –Bigdata Analytics (197043805) b) Natural Language Programming(197043806)
Saturday 01/07/2023	299 300	<b>Elective-V</b> a) Cloud Computing(197043807) b) –Deep Learning(197043808)

Day&Date	Sr. No.	<b>T.Y. B. Tech. (Electronics&amp; Telecommunication EnggSem- I)</b> <b>(Neww.e.f.June2022)</b> <b>(CBCSPATTERN 2020)</b> <b>Time:10.00 amto 1:00pm</b>
Friday 07/07/2023	301	Electromagnetic Field Theory(BTN06501)
Saturday 08/07/2023	302	Microcontrollers and Applications(BTN06502)
Monday 10/07/2023	303	Digital Signal Processing(BTN06503)
Tuesday 11/07/2023	304 305 306 307	<b>OpenElective-I</b> a) ManagerialEconomics(BTN06511) b) Project Management and Operation Research(BTN06512) c) c) Information Technology and Management(BTN06513) d) d) Business Ethics(BTN06514)
Wednesday 12/07/2023	308 309 310 311 312	<b>Honors Degree</b> a) Artificial Intelligence(BTN04517) b) Data Processing & Feature Engineering(BTN04518) c) Industrial IoT(BTN04519) d) Data Communication and Signaling in Railway(BTN06518) e) Network Security and Secure Coding(BTN06519)
Saturday 15/07/2023	313 314 315 316 317	<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)

Day&Date	Sr. No.	<b>T.Y. B. Tech. (Electronics&amp; Telecommunication EnggSem- I (w.e.f.June2020) (Old up to MAR-2023) (CBCSPATTERN) Time:10.00 am to 1:00 pm</b>
<b>Friday 07/07/2023</b>	318	Electromagnetic Field Theory(197044501)
<b>Saturday 08/07/2023</b>	319	Digital Design & HDL(197044502)
<b>Monday 10/07/2023</b>	320	Digital Signal Processing(197044503)
<b>Tuesday 11/07/2023</b>	321	Microcontrollers and Applications(197044504)
<b>Wednesday 12/07/2023</b>	322 323 324 325	<b>Open Elective-I</b> a) Information Technology & Management(197044506) b) Hybrid Electric Vehicle Design(197044507) c) Business Ethics(197044508) d) Managerial Economics(197044509)
<b>Saturday 15/07/2023</b>	326 327 328 329 330	<b>Self Learning</b> 1. Economics(197044510) 2. Intellectual Property Rights for Technology Development and Management(197044511) 3. Introduction to Sociology(197044512) 4. Stress and Coping(197044513) 5. Professional Ethics & Human Value(197044514)

Day&Date	Sr No	<u>T.Y. B. Tech. (Electronics&amp; Telecommunication Engg Sem– II</u> (New w.e.f.Nov.2022) (CBCSPATTERN 2020) Time: 3:00 pm to 6:00 pm
Monday 17/07/2023	331	Antenna & Wave Propagation(BTN06601)
Wednesday 19/07/2023	332	Embedded System(BTN06602)
Friday 21/07/2023	333	Electronic System Design(BTN06603)
Monday 24/07/2023	334 335 336	<b>Professional Elective-I</b> a) Optical Fiber Communication(BTN06609) b) . Image and Video Processing(BTN06610) c) Multimedia Communication Technology(BTN06611)
Wednesday 26/07/2023	337 338 339 340	<b>Open Elective-II</b> a) Sensors and Applications(BTN06605) b) Open Source Technologies(BTN06606) c) Operating Systems(BTN06607) d) Power System Planning(BTN06608)
Friday 28/07/2023	341 342 343 344 902	<b><u>Honors Degree</u></b> a) AI/ML -Machine Learning(BTN04612) b) IoT Cloud Platform(BTN04614) c) Applications of IT and Control Engineering in Railway (BTN06615) D) Cyber Security -Cyber Forensic(BTN06616) Data Science Machine Learning (BTN04613)

Day&Date	Sr No	<b>T.Y. B. Tech. (Electronics&amp; Telecommunication EnggSem– II ( w.e.f.June2020) (Old up to Oct.-2023) (CBCSPATTERN) Time: 3:00 pm to 6:00 pm</b>
Monday 17/07/2023	345	Antenna & Wave Propagation(197044601)
Wednesday 19/07/2023	346	Embedded System(197044602)
Friday 21/07/2023	347	Electronic System Design(197044603)
Monday 24/07/2023	348	Advanced Mobile Communication(197044604)
Wednesday 26/07/2023	349 350 351 352	<b>Open Elective-II</b> c) Optical Communication(197044608) d) Sensors & Applications(197044609) e) Operating Systems(197044606) d)Advanced Control System(197044607)
Friday 28/07/2023	353 354 355	<b>Self Learning</b> a) Computer Organization(197044610) b)Renewable Energy Systems(197044611) c) Soft Computing(197044612)

Day&Date	Sr. No.	<b>Fourth.Y.(B.Tech.)(E&amp;TCEngg.)Sem–I(Neww.e.f.June2021) (CBCSPATTERN) Time: :3:00 pm to 6:00 pm</b>
Tuesday 04/07/2023	356	Machine Learning(197044701)
Wednesday 05/07/2023	357	Data Communication(197044702)
Thursday 06/07/2023	358	Internet of Things(197044703)
Friday 07/07/2023	359	Database Management System(197044704)
Saturday 08/07/2023	360 361	<b>Elective-II</b> a) Image & Video Processing(197044707) b) Wireless Sensor Network(197044708)

Day&Date	Sr. No.	<u>Fourth.Y.(B.Tech.)(E&amp;TEngg.)Sem-II(Neww.e.f.Oct.2021)</u> <b>(CBCSPATTERN)</b> <b>Time: :3:00 pm to 6:00 pm</b>
Monday 19/06/2023	362	Microwave Engineering(197044801)
Wednesday 21/06/2023	363	CMOSVLSI Design(197044802)
Friday 23/06/2023	364 365	<b>Elective-III</b> a. Industrial IOT(197044804) b. Artificial Intelligence and Applications(197044805)
Saturday 01/07/2023	366 367	<b>Elective-IV</b> a. Net work Security(197044806) b. 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>
Friday 07/07/2023	368	System Software(BTN05501)
Saturday 08/07/2023	369	Operating Systems(BTN05502)
Monday 10/07/2023	370	Database Engineering(BTN05503)
Tuesday 11/07/2023	371	Design and Analysis of Algorithms(BTN05504)
Wednesday 12/07/2023	372 373 374	<b>Honors Degree</b> Reinforcement Learning(BTN05512) Data Preprocessing & Visualization(BTN05513) Network Security and Secure Coding(BTN05514)
Saturday 15/07/2023	375 376 377 378 379	<b>Self Learning</b> 1.Economics(BTN05506) 2. IntellectualPropertyRightsforTechnologyDevelopmentandM anagement(BTN05507) 3. Introduction to Sociology(BTN05508) 4. Stress and Coping(BTN05509) 5. Professional Ethics & Human Value(BTN05510)

Day&Date	Sr. No.	<b>T.Y.(B.Tech.)(InformationTechnology)Sem-I(w.e.f.June2020)</b> <b>(CBCSPATTERN) (Old up to MAR-2023)</b> <b>Time:10.00 am to 1:00 pm</b>
<b>Friday</b> <b>07/07/2023</b>	380	Operating System(197046501)
<b>Saturday</b> <b>08/07/2023</b>	381	System Software(197046502)
<b>Monday</b> <b>10/07/2023</b>	382	Design and Analysis of Algorithms(197046503)
<b>Tuesday</b> <b>11/07/2023</b>	383	Database Engineering(197046504)
<b>Wednesday</b> <b>12/07/2023</b>	384	Computer Organization and Architecture (197046505)
<b>Saturday</b> <b>15/07/2023</b>	385 386 387 388 389	<b>Self Learning</b> 1.Economics(197046507) 6. IntellectualPropertyRightsforTechnologyDevelopmentandM anagement(197046508) 7. Introduction to Sociology (197046509) 8. Stress and Coping (197046510) 9. Professional Ethics & Human Value (197046511)

Day&Date	SNo.	<b>T.Y.(B.Tech.)(Information Technology)Sem-II (Neww.e.f.Nov.2022)</b> <b>( CBCSPATTERN 2020)</b> <b>Time: 3:00 pm to 6:00 pm</b>
<b>Monday</b> <b>17/07/2023</b>	390	Artificial Intelligence(BTN05601)
<b>Wednesday</b> <b>19/07/2023</b>	391	Object Oriented Modeling & Design(BTN05602)
<b>Friday</b> <b>21/07/2023</b>	392	Software Engineering(BTN05603)
<b>Monday</b> <b>24/07/2023</b>	393 394 395	<b>Professional Elective – I</b> Cloud Computing(BTN05606) Augmented Reality/Virtual Reality(BTN05607) Network Security(BTN05608)
<b>Wednesday</b> <b>26/07/2023</b>	396 397 398	<b>Open Elective</b> Principles of Management: Practicing Ethics, Responsibility, Sustainability(BTN05609) Engineering Economics and Management(BTN05610) Disaster Management(BTN05611)
<b>Friday</b> <b>28/07/2023</b>	399 400 401	<b>Honors Degree</b> Natural Language Processing(BTN05612) Machine Learning (BTN05613) Cyber forensic(BTN05614)

Day&Date	Sr N o.	<u>T.Y.(B.Tech.)(InformationTechnology)Sem-II(w.e.f.June2020)</u> <b>(CBCSPATTERN) (Old up to Oct.-2023)</b> <b>Time: 3:00 pm to 6:00 pm</b>
Monday 17/07/2023	402	Software Engineering(197046601)
Wednesday 19/07/2023	403	Object Oriented Modeling and Design(197046602)
Friday 21/07/2023	404	Artificial Intelligence(197046603)
Monday 24/07/2023	405 406	Elective-I Data Science(197046607) Artificial Neural Network(197046608)
Wednesday 26/07/2023	407 408	<b>Self Learning</b> 6. USERINTERFACETECHNOLOGIES(197046609) 7. AGILEPROJECTMANAGEMENT (197046610)

Day&Date	Sr. No.	<u>Fourth.Y.(B.Tech.)(InformationTechnologyEngg.)Sem-I</u> <b>(Neww.e.f.June2021)</b> <b>(CBCSPATTERN)</b> <b>Time: :3:00 pm to 6:00 pm</b>
Tuesday 04/07/2023	409	Machine Learning(197046701)
Wednesday 05/07/2023	410	Advanced Database System(197046702)
Thursday 06/07/2023	411	Software Testing and Quality Assurance(197046703)
Friday 07/07/2023	412	Distributed Systems(197046704)
Saturday 08/07/2023	413 414 415	<b>Elective-II</b> a) Data Mining(197046707) b) Internet Of Things(197046708) C)Business Intelligence(197046709)



Day&Date	Sr. No.	<b>Fourth.Y.(B.Tech.)(InformationTechnologyEngg.)Sem-II</b> <b>(Neww.e.f.Oct.2021)</b> <b>(CBCSPATTERN)</b> <b>Time: :3:00 pm to 6:00 pm</b>
Monday 19/06/2023	416	Management Information System(197046801)
Wednesday 21/06/2023	417	Information Assurance and Security(197046802)
Friday 23/06/2023	418 419	Elective-IV Big Data Analytics (197046805) Cloud Computing(197046806)
Saturday 01/07/2023	420 421	Elective-V Natural Language Processing(197046807)Information Retrieval(197046808)

Day&Date	Sr. No.	<b>T.Y.(B.Tech.)(ElectricalEngg.)Sem-I(Neww.e.f.June2022)</b> <b>(CBCSPATTERN 2020)</b> <b>Time:10:00 pm to 1:00pm</b>
Friday 07/07/2023	422	Power System-III(BTN07501)
Saturday 08/07/2023	423	Linear Control System(BTN07502)
Monday 10/07/2023	424	Advanced Microcontroller System (BTN07503)
Tuesday 11/07/2023	425	Electromagnetic Engineering (BTN07504)
Wednesday 12/07/2023	426 427 428 429	<b>Open Elective-I</b> a) Information Technology & Management(BTN07512) b) Advanced Electrical Machines(BTN07513) c) Business Ethics(BTN07514) d) Managerial Economics(BTN07515)
Thursday 13/07/2023	430 431	<b>Honors Degree</b> 1. Smart Energy Management System (BTN07516) 2. Electric Motors and Controls for Electric Vehicle (BTN07517)
Saturday 15/07/2023	432 433 434 435 436	<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)

Day&Date	Sr. No.	<u>T.Y.(B.Tech.)(Electrical Engg.)Sem-I(w.e.f.June2020)</u> <b>(CBCSPATTERN) (Old Up to March 2023)</b> <b>Time:10.00 am to 1:00pm</b>
<b>Friday</b> <b>07/07/2023</b>	437	Power System-III(197045501)
<b>Saturday</b> <b>08/07/2023</b>	438	Linear Control System(197045502)
<b>Monday</b> <b>10/07/2023</b>	439	Microprocessor and Microcontroller (197045503)
<b>Tuesday</b> <b>11/07/2023</b>	440	Electromagnetic Engineering(197045504)
<b>Wednesday</b> <b>12/07/2023</b>	441 442 443 444	<b>Open Elective-I</b> a)Information Technology& Management(197045506) b)Hybrid Electric Vehicle Design(197045507) c)Business Ethics(197045508) d) Managerial Economics(197045509)
<b>Saturday</b> <b>15/07/2023</b>	445 446  447 448 449	<b>Self Learning</b> 1.Economics(197045510) 2.Intellectual Property Rights for Technology Development and Management(197045511) 3.Introduction to Sociology(197045512) 4.Stress and Coping(197045513) 5. Professional Ethics & Human Value(197045514)

Day&Date	Sr. No.	<u>T.Y.(B.Tech.)(Electrical Engg.)Sem-II(Neww.e.f.Nov.2022)</u> <b>( CBCSPATTERN 2020)</b> <b>Time: 3:00 pm to 6:00 pm</b>
<b>Monday</b> <b>17/07/2023</b>	450	Electrical Machine Design (BTN07601)
<b>Wednesday</b> <b>19/07/2023</b>	451	Electrical Utilisation (BTN07602)
<b>Friday</b> <b>21/07/2023</b>	452	Power Electronics & Industrial Drives (BTN07603)
<b>Monday</b> <b>24/07/2023</b>	453	Advanced Control Systems(BTN07604)
<b>Wednesday</b> <b>26/07/2023</b>	454 455 456 457	<b>Open Elective-I</b> a) Operating Systems(BTN07606) b) Renewable Energy Sources(BTN07607) c) Fiber Optic Communication(BTN07608) d) Sensors & Applications(BTN07609)
<b>Friday</b> <b>28/07/2023</b>	458 459 460	<b>Self Learning</b> 1. <b>Hybrid Electric Vehicle Design</b> (BTN07610) 2. Electrical Safety(BTN07611) 3. Solar Photovoltaic System Design &Installation(BTN07612)
<b>Sunday</b> <b>30/07/2023</b>	<b>900</b> <b>901</b>	<b>Honars Subject.</b> 1. <b>Energy Management System for Electric Vehicle</b> (BTN07614) 2. <b>Distributed Energy Integration</b> (BTN07613)

<b>Day&amp;Date</b>	<b>Sr. No.</b>	<b>T.Y.(B.Tech.)(ElectricalEngg.)Sem-II(w.e.f.Nov2020) (CBCSPATTERN) (Old Up to Oct 2023) Time: 3:00 pm to 6:00 pm</b>
<b>Monday 17/07/2023</b>	461	Electrical Machine Design(197045601)
<b>Wednesday 19/07/2023</b>	462	Electrical Utilisation(197045602)
<b>Friday 21/07/2023</b>	463	Power Electronics(197045603)
<b>Monday 24/07/2023</b>	464	Signals &Systems(197045604)
<b>Wednesday 26/07/2023</b>	465 466 467 468	<b>Open Elective-I</b> a) Operating Systems(197045606) b)Advanced control System(197045607) c)Optical Communication(197045608) d) Sensors& Applications(197045609)
<b>Friday 28/07/2023</b>	469 470 471	<b>Self Learning</b> 1.Special Purpose Machines(197045610) 2.Electrical Safety(197045611) 3. Solar Photovoltaic System Design& Installation(197045612)

Day&Date	Sr. No.	<b>Fourth.Y.(B.Tech.)(ElectricalEngg.)Sem-I(Neww.e.f.June2021)</b> <b>(CBCSPATTERN)</b> <b>Time: :3:00 pm to 6:00 pm</b>
<b>Tuesday</b> <b>04/07/2023</b>	472	Industrial Drives Control(197045701)
<b>Wednesday</b> <b>05/07/2023</b>	473	Power System and Operation Control (197045702)
<b>Thursday</b> <b>06/07/2023</b>	474	Renewable Energy Sources(197045703)
<b>Friday</b> <b>07/07/2023</b>	475	Switchgear and Protection(197045704)
<b>Saturday</b> <b>08/07/2023</b>	476 477 478 479	<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.2021)</b> <b>(CBCSPATTERN)</b> <b>Time: :3:00 pm to 6:00 pm</b>
<b>Monday</b> <b>19/06/2023</b>	480	Power Quality &FACTS (197045801)
<b>Wednesday</b> <b>21/06/2023</b>	481	Extra High Voltage AC Transmission(197045802)
<b>Friday</b> <b>23/06/2023</b>	482 483 484 485	<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>01/07/2023</b>	486 487 488 489	<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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