PUNYASHLOKAHILYADEVIHOLKAR SOLAPURUNIVERSITY, SOLAPUR

EXAM OF 2025

SEMESTERPATTERNEXAMINATION

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

EXAMINATIONSINTHEBRANCHES

[1]CIVILENGINEERING   **[2]MECHANICALENGINEERING**   **[3]ELECTRONICSENGINEERING**
[4] ELECTRONICS&TELE-COMM.   **[5] COMPUTERSCI&ENGG**   **[6]INFORMATIONTECHNOLOGY**
[7]ELECTRICALENGINEERING

MAR./APR.-2025EXAMINATION TO BE HELD IN MAY.-2025

1. Candidates are requested to be present at their respective places of Examinations FIFTEEN MINUTES before thetime starting of the first paper and TEN MINUTES before the time starting of each subsequent paper. They areforbiddento take anybookorpaperintotheExaminationHall.

2. **Important Note:**ode Numbers given in the Bracket are Computer Code of respective Subjects, Students shouldmention these Code Numbers on Answer Books with Name of the Subject. Also write these Code Numbers onJSR(Junior SupervisorReport)andrelated documents.

3. AlltheCandidates are asked tofollow thetimelyinstructionsgiven by Universityin accordance with theexaminationsmethodology.

4. 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 मधीलतरतूदीनुसार अपंग विद्यार्थ्यांना ऑनलाईन व ऑफलाईन परीक्षेमध्ये सर्वसाधरण विद्यार्थ्यांपेक्षा १ तासाला कमीतकमी २० मिनीट इतका वेळ वाढवून देण्यास सर्वानुमते मान्यता देण्यात आली.)

> ऊांा विBाांाॊाॊ।jांा जुांां अ∞ासांामांाॅमाणे परीांा देांांाॅ।jांा संधी संपलेंांा आहेत व wांांा आता नवीन अ∞ासांामांाॅमाणे समकं पेपर (Equivalence subject) देणे आवांक आहे अशा विBाांाांाॊनी नवीन अ∞ासांामा ांॅमाणे Bांावाया।jांा समकं विषयाची नावे व wांांाचे पेपर कोड यांचा तांांा शेवटच्या वेळापांकां।jांा पानावर िांूांट करांांात आला आहे wांांॅमाणे विBाांाांाॊनी सदर पेपर Bांावेत

TheWrittenExaminationswillbeheldatthe following places:

Sr.No.	Center	College Abbreviation	Place
1	Solapur	WIT	WalchandInstituteofTechnology
2		BMIT	BrahmdevdadaManeInstituteofTechnology
3		NBNSCOE	N.B.NavaleSinhgadCollegeofEngg.,Kegaon
4	Pandharpur	COEP	SVERICollegeofEngineering,Pandharpur
5		SKNSCOE	S.K.N.SinhgadCollegeofEngg.Korti
6	Akluj	SMPIT	S.M.ShankarraoMohite-PatilInst.ofTech.andResearch,Akluj
7	Barshi	MITCORER	MIT CollegeofRailwayEngineeringandResearch, Jamgaon, Barshi

Day&Date	Sr. No.	T.Y.(B.Tech.)(CivilEngg.)Sem–I (New w.e.f.June.2022) (CBCS 2020 PATTERN) Time:10:00 am to 01:00 pm
Saturday 17/05/2025	289	Design of Steel Structures (BTN01501)
Monday 19/05/2025	290	Geotechnical Engineering (BTN01502)
Tuesday 20/05/2025	291	Highway and Tunnel Engineering (BTN01503)
Wednesday 21/05/2025	292	Hydrology and Water Resources Engineering(BTN01504)
Thursday 22/05/2025	293	Design of Concrete Structures I (BTN01505)
Friday 23/05/2025	294	Environmental Engineering-II (BTN01506)
Saturday 24/05/2025	295 296 297 298	**Honors Degree** 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)
Sunday 25/05/2025	299 300 301 302 303	**Self-Learning** 1. Economics (BTN01508) 2. Intellectual Property Rights for Technology Development And Management (BTN01509) 3. Introduction to Sociology (BTN01510) 4. Stress and Coping (BTN01511) 5. Professional Ethics & Human Value (BTN01512) **Time:10:00 am to 12:00 pm**

Day&Date	Sr. No.	T.Y.(B.Tech.)(CivilEngg.)Sem– II (New w.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:10:00 am to 1:00 pm
Tuesday 27/05/2025	304	Foundation Engineering (BTN01601)
Thursday 29/05/2025	305	HydraulicStructures&WaterPowerEngg (BTN01602)
Monday 02/06/2025	306	**ProfessionalElective-I** A) Structural Analysis by Matrix Methods(BTN01608)
	307	B) Structural Dynamics (BTN01609)
	308	c) Design of Bridges (BTN01610)
	309	d) Design of Pre stressed concrete structures (BTN01611)
	310	e) Airport Planning and Design (BTN01612)
	311	f) Pavement Design (BTN01613)
	312	g) Construction Engineering Materials (BTN01614)
	313	h) Systems Engineering & Economics (BTN01615)
	314	i) Advanced Concrete Technology (BTN01616)
	315	j) Open Channel flow & River Hydraulics (BTN01617)
	316	k) Solid and Hazardous Waste Management (BTN01618)
	317	l) Urban Hydrology and Hydraulics (BTN01619)
Wednesday 04/06/2025	318	Design of Concrete Structures II (BTN01603)
Friday 06/06/2025	319	Principles of Management and Quantitative Techniques (BTN01604)
Tuesday 10/06/2025	320	Railway, Airport &Harbour Engineering (BTN01605)
Thursday 12/06/2025	321 322 323 324	**<u>Honors Degree</u>** 1. Disaster Preparedness and Response(BTN01620) 2. Roads and Highway Project Development(BTN01621) 3. Sustainable Materials and Green Buildings (BTN01622) 4. Engineering System Design Optimization(BTN01623)

Day&Date	Sr. No.	Fourth.Y.(B.Tech.)(CivilEngg.)Sem–I (New w.e.f.June2023) (CBCS 2020 PATTERN) Time:03.00 pm. to 06.00pm.
Monday 02/06/2025	325	Estimating, Costing and Valuation (BTN01701)
Tuesday 03/06/2025	326	Earthquake Engineering (BTN01702)
Wednesday 04/06/2025	327	Construction Management and Practices (BTN01703)
Thursday 05/06/2025	328 329 330 331 332 333 334 335 336 337	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)
Friday 06/06/2025	338 339 340 341	**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–II (New w.e.f.June2023) (CBCS 2020 PATTERN) Time: 3:00 pm to 6:00 pm
Monday 26/05/2025	342	Professional Practice, Law & Ethics (BTN01801)
Wednesday 28/05/2025	343 344 345 346 347 348 349	**Professional Elective Course- III** a) Repairs & Rehabilitation of Structures (BTN01803) b) Industrial Structures (BTN01804) c) Urban Transportation Planning.(BTN01805) d) Ground improvement Techniques (BTN01806) e) Cost Management of Engineering Projects (BTN01807) f) Disaster Management (BTN01808) g) Water and Air Quality Modelling (BTN01809)
Friday 30/05/2025	350 351 352 353	**Self Learning Technical Course (Elective)** a) Concrete composites (BTN01810) b) Rural Roads (BTN01812) c) TQM and MIS in Civil Engineering (BTN01813) d) Planning for Sustainable Development (BTN01814)

Day&Date	Sr. No.	T.Y.(B.Tech.)(MechanicalEngg.)Sem−I (Neww.e.f.June2022) (CBCS 2020 PATTERN) Time:10:00 am to 01:00 pm
Saturday 17/05/2025	354	Design of Machine Elements (BTN02501)
Monday 19/05/2025	355	CAD-CAM-CAE (BTN02502)
Tuesday 20/05/2025	356	Metallurgy (BTN02503)
Wednesday 21/05/2025	357	IndustrialEngineering(BTN02504)
Thursday 22/05/2025	358 359 360 361	**ProfessionalElective-III** a) GAS TURBINES(BTN02514) b) : Tool Engineering(BTN02515) **(Time:10.00 amto 2:00pm)** c) Industrial Hydraulics &Pneumatics(BTN02516) d) Mechanical Vibrations(BTN02517)
Friday 23/05/2025	362 363 364 365	**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)
Saturday 24/05/2025	366 367 368 369 370	**SelfLearning** 1. Economics(BTN02508) 2. IntellectualProperty RightsforTechnology Development And Management(BTN02509) 3. IntroductiontoSociology (BTN02510) 4. StressandCoping (BTN02511) 5. ProfessionalEthics&HumanValue(BTN02512) **Time:10:00 am to 12:00 pm**

Day&Date	Sr. No.	T.Y.(B.Tech.)(MechanicalEngg.)Sem–II (New w.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:10:00 amto 1:00pm
Tuesday 27/05/2025	371	Transmission System Design(BTN02601)
Thursday 29/05/2025	372	Instrumentation and Control Engineering(BTN02602)
Monday 02/06/2025	373	Heat Transfer(BTN02603)
Wednesday 04/06/2025	374	Industrial & Quality Management(BTN02604)
Friday 06/06/2025	375 376 377 378	Professional Elective-IV A) Project Management (BTN02608) B) Industrial Product Design (BTN02609) C)Plastic Engineering (BTN02610) D) Railway Transportation System (BTN02611)
Tuesday 10/06/2025	379 380 381 382	**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.)(MechanicalEngg.)Sem–II (w.e.f.Nov.2020-21) (CBCS 2020 PATTERN) Time:10:00 amto 1:00pm
Tuesday 27/05/2025	383	Joining Technologies for Metals (197041615)
	384	Steam Power Engineering (197041616) Time:3:00 pmto 6:00pm

Day&Date	Sr. No.	Fourth.Y.(B.Tech.)(Mechanical Engg.)Sem–I (New w.e.f.June2023) (CBCS 2020 PATTERN) Time: 3:00 pm to 6:00pm
Monday **02/06/2025**	385	Refrigeration and Air Conditioning(BTN02701)
Tuesday **03/06/2025**	386	Automobile Engineering(BTN02702)
Wednesday **04/06/2025**	387	Automation and Robotics (BTN02703)
Thursday **05/06/2025**	388 389 390 391 392	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)
Friday **06/06/2025**	393 394 395 396	**Honors Degree** a) Advanced topics in robotics(BTN02718) b) Advanced topics on 3D Printing (BTN02719) c) Energy Resources, Economics and Environment (BTN02716) d) Advanced Topics in Electric Vehicles (BTN02717)
Monday **09/06/2025**	397 398 399 400 401	**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.	FourthY.(B.Tech.)(MechanicalEngg.)Sem–I(w.e.f.Nov.2021-22) (CBCS 2020 PATTERN) Time: 3:00 pm to 6:00pm
Monday **02/06/2025**	402	Robotics and Artificial Intelligence (197041703)

Day&Date	Sr. No.	T.Y. (B.Tech.) (Electronics Engg.) Sem– I (New w.e.f. NOV. 2022) (CBCS 2020 PATTERN) Time:10:00 am to 01:00 pm
Saturday **17/05/2025**	403	Digital Communication(BTN04501)
Monday **19/05/2025**	404	Digital Signal Processing(BTN04502)
Tuesday **20/05/2025**	405	Microcontrollers(BTN04503)
Wednesday **21/05/2025**	406 407 408 409	**Open Elective- I** a) Information Technology and Management(BTN04513) b) Managerial Economics(BTN04514) c) Project Management and Operation Research(BTN04515) d) Business Ethics(BTN04516)
Thursday **22/05/2025**	410 411 412	**Honors Degree** a) Artificial Intelligence(BTN04517) b) Data Processing & Feature Engineering(BTN04518) c) Industrial IoT(BTN04519)
Friday **23/05/2025**	413 414 415 416 417	**Self Learning** a) Economics(BTN04506) b) Intellectual Property Rights for Technology Development and Management(BTN04507) c) Introduction to Sociology(BTN04508) d) Stress and Coping(BTN04509) e) Professional Ethics & Human Value(BTN04510) **Time:10:00 am to 12:00 pm**

Day&Date	Sr. No.	T.Y. (B.Tech.) (Electronics Engg.) Sem– II (New w.e.f. NOV. 2022) **(CBCS 2020 PATTERN)** Time:10.00am to1.00pm
Tuesday 27/05/2025	418	Computer Networks(BTN04601)
Thursday 29/05/2025	419	Embedded Systems(BTN04602)
Monday 02/06/2025	420	VLSI Design(BTN04603)
Wednesday 04/06/2025	421 422 423	**Professional Elective-I** a) Image Processing(BTN04609) b) Computer Organization(BTN04610) c) Multimedia Systems(BTN04611)
Friday 06/06/2025	424 425 426 427	**Open Elective-II** A)OPERATINGSYSTEMS(BTN04605) b) Sensors and Applications(BTN04606) c) Open Source Technologies(BTN04607) d) Power System Planning(BTN04608)
Tuesday 10/06/2025	428 429 430	**Honors Degree** a) AI/MI -Machine Learning(BTN04612) b) Data Science Machine LearingBTN04613) c) IoT Cloud Platform(BTN04614)

Day&Date	Sr. No.	Fourth.Y.(B.Tech.)(ElectronicsEngg.)Sem–I(New w.e.f.June2023) **(CBCS 2020 PATTERN)** Time: 3:00 pm to 6:00pm
Monday 02/06/2025	431	Advanced Communication Engineering (BTN04701)
Tuesday 03/06/2025	432	Power Electronics (BTN04702)
Wednesday 04/06/2025	433	Mobile Technology (BTN04703)
Thursday 05/06/2025	434 435 436	**Elective-I** a) CMOS VLSI Design (BTN04706) b) PLC and Industrial Controllers (BTN04707) c) Software Engineering (BTN04708)
Friday 06/06/2025	437 438 439	**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–II (New w.e.f.Oct.2023) (CBCSPATTERN) Time:3.00pm to6.00pm
Monday 26/05/2025	440 441 442	**Elective-III** a) Speech Processing (BTN04806) b) Mechatronics (BTN04807) c) Cloud Computing (BTN04808)
Wednesday 28/05/2025	443 444 445 446	**Self-Learning II – Technical** a) Electronic Instrumentation (BTN04802) b) Biomedical Instrumentation (BTN04803) c) Cyber Security (BTN04804) d) Approved MOOC Course (BTN04805) **(Time:3.00pm to5.00pm)**

Day & Date	Sr. No.	Fourth.Y.(B.Tech.)(Electronics Engg .)Sem–I (w.e.f.June 2021-22) (CBCSPATTERN 2019) **Time: 3:00 pm to 6:00pm**
Monday 02/06/2025	447	Database Management System (197047709)

Day&Date	Sr. No.	T.Y.(B.Tech.)(Computer Science & Engg.)Sem–I(Neww.e.f.June2022) **(CBCS 2020 PATTERN)** **Time:10:00 am to 01:00 pm**
Saturday 17/05/2025	448	Artificial Intelligence(BTN03501)
Monday 19/05/2025	449	Operating Systems (BTN03502)
Tuesday 20/05/2025	450	Database Engineering (BTN03503)
Wednesday 21/05/2025	451	Design and Analysis of Algorithm (BTN03504)
Thursday 22/05/2025	452 453 454	**Honors Degree** a) Reinforcement Learning (BTN03512) b) Data Preprocessing & Visualization (BTN03513) c) Network Security and Secure Coding (BTN03514)
Friday 23/05/2025	455 456 457 458 459	**Self Learning** 1. Economics(BTN03506) 2. IntellectualPropertyRightsforTechnologyDevelopmentandManagement(BTN03507) 3. Introduction to Sociology(BTN03508) 4. Stress andCoping(BTN03509) 5. Professional Ethics &Human Value(BTN03510) **Time:10:00 am to 12:00 pm**

Day&Date	Sr. No.	T.Y.(B.Tech.)(ComputerScience and Engg.)Sem–II (Neww.e.f.Nov2022) (CBCS 2020 PATTERN) Time:10:00amto 1:00pm
Tuesday 27/05/2025	460	System Programming (BTN03601)
Thursday 29/05/2025	461	Internet of Things (BTN03602)
Monday 02/06/2025	462	Software Engineering (BTN03603)
Wednesday 04/06/2025	463 464 465	**Professional Elective-I** a) Cloud Computing (BTN03606) b) Augmented Reality/Virtual Reality (BTN03607) c) Network Security (BTN03608)
Friday 06/06/2025	466 467 468	**Open Elective** a) Principles of Management: Practicing Ethics, Responsibility, Management (BTN03609) b) Engineering Economics and Management (BTN03610) c) Disaster Management (BTN03611)
Tuesday 10/06/2025	469 470 471	**Honors Degree** 1.Natural Language Processing (BTN03612) 2.Machine Learning (BTN03613) 3.Cyber forensic (BTN03614)

Day & Date	Sr. No.	Fourth. Y.(B.Tech.)(Computer and Engg.)Sem–I (New w.e.f.June 2023) (CBCS 2020 PATTERN) Time: 3:00 pm to 6:00pm
Monday 02/06/2025	472	Software Testing and Quality Assurance (BTN03701)
Tuesday 03/06/2025	473	Compiler Construction (BTN03702)
Wednesday 04/06/2025	474 475 476 477	**Elective-II** a) Business Intelligence (BTN03706) b) Data Mining (BTN03707) c) Distributed Systems (BTN03708) d) Management Information System (BTN03709)
Thursday 05/06/2025	478 479 480	**Elective-III** a) Human Computer Interaction (BTN03710) b) Big Data Analytics (BTN03711) c) Information Retrieval (BTN03712)
Friday 06/06/2025	481 482 483	**Honors Degree** a) Deep Learning (BTN03713) b) Predictive Analytics (BTN03715) c) Information Auditing and monitoring (BTN03717)
Monday 09/06/2025	484 485	**Self Learning** 1.UI/UXTechnology(BTN03719) 2.SoftwareLicencesandPractices(BTN03720) **Time:10:00 amto 12:00pm**

Day&Date	Sr. No.	T.Y. B. Tech. (Electronics& Telecommunication EnggSem– I (New w.e.f.June 2022) (CBCS 2020 PATTERN) Time:10:00 am to 01:00 pm
Saturday 17/05/2025	486	Electromagnetic Field Theory (BTN06501)
Monday 19/05/2025	487	Microcontrollers and Applications (BTN06502)
Tuesday 20/05/2025	488	Digital Signal Processing (BTN06503)
Wednesday 21/05/2025	489 490 491 492	**Open Elective-I** a) Managerial Economics (BTN06511) b) Project Management and Operation Research (BTN06512) c) Information Technology and Management (BTN06513) d) Business Ethics (BTN06514)
Thursday 22/05/2025	493 494 495 496 497	**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)
Friday 23/05/2025	498 499 500 501 502	**SelfLearning** 1. Economics(BTN06505) 2. IntellectualProperty RightsforTechnology Development and Management(BTN06506) 3. IntroductiontoSociology(BTN06507) 4. StressandCoping(BTN06508) 5. ProfessionalEthics&HumanValue(BTN06509) Time:10:00 amto 12:00pm

Day&Date	Sr No	T.Y. B. Tech. (Electronics& TelecommunicationEnggSem– II (Neww.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:10:00amto 1:00pm
Tuesday 27/05/2025	503	Antenna & Wave Propagation (BTN06601)
Thursday 29/05/2025	504	Embedded System(BTN06602)
Monday 02/06/2025	505	Electronic System Design(BTN06603)
Wednesday 04/06/2025	506 507 508	**Professional Elective-I** a) Optical Fiber Communication(BTN06609) b). Image and Video Processing(BTN06610) c) Multimedia Communication Technology(BTN06611)
Friday 06/06/2025	509 510 511 512	**Open Elective-II** a) Sensors and Applications(BTN06605) b) Open Source Technologies(BTN06606) c) Operating Systems(BTN06607) d) Power System Planning(BTN06608)
Tuesday 10/06/2025	513 514 515 516 517	**Honors Degree** a) AI/MI -Machine Learning(BTN06612) b) IoT Cloud Platform(BTN06614) c) Applications of IT and Control Engineering in Railway (BTN06615) d) Cyber Security -Cyber Forensic(BTN06616) e) Data Science Machine Learning (BTN06613)

Day&Date	Sr. No.	Fourth.Y.(B.Tech.)(E&TCEngg.)Sem–I(New w.e.f.June2023) **(CBCSPATTERN)** Time: 3:00 pm to 6:00pm
Monday 02/06/2025	518	Microwave Engineering (BTN06701)
Tuesday 03/06/2025	519	Data Communication (BTN06702)
Wednesday 04/06/2025	520	VLSI Design (BTN06703)
Thursday 05/06/2025	521 522 522	**Professional Elective-II** a) PLC and Industrial Controllers (BTN06707) b) Mobile Communication (BTN06708) c) DSP Processor and application (BTN06709)
Friday 06/06/2025	524 525 526 527 528	**Honors Degree** 1. AI Applications (BTN06710) 2. Data Science- Business Intelligence (BTN06713) 3. IOT- Architecting IOT Solutions (BTN06715) 4. **Cyber Security-** Information Security and Audit (BTN06719) 5. **Railway Engineering**-Advanced Communication and Modern Signaling in Railway (BTN06717)
Monday 09/06/2025	529	Research Methodology (BTN06704)

Day & Date	Sr. No.	Fourth.Y.(B.Tech.)(E&TCEngg.)Sem–I(w.e.f.June 2021-22) **(CBCSPATTERN 2019)** Time: 3:00 pm to 6:00pm
Monday 02/06/2025	530	Database Management System (197044704)

Day & Date	Sr. No.	Fourth.Y.(B.Tech.) (E&TCEngg.)Sem–II (<mark>Neww</mark>.e.f.Oct.2023) **(CBCS 2020 PATTERN)** **Time: 3:00 pm to 6:00 pm**
Monday **26/05/2025**	531 532 533	**Professional Elective-III** a. Wireless Sensor Networks (BTN06802) b. Satellite Communication (BTN06803) c. Software Defined Radio (BTN06804) **Time: 3:00 pm to 5:00 pm**

Wednesday
28/05/2025
	534
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	537
		Self Learning Module-II
		   a. Electric Vehicles (BTN06805)
		   b. Mechatronics (BTN06806)
		   c. Biomedical Instrumentation (BTN06807)
		   d. MOOC / University Defined Courses) (BTN06808)
		Time: 3:00 pm to 5:00 pm

Day&Date	Sr. No.	T.Y.(B.Tech.)(InformationTechnology)Sem–I (<mark>New</mark> w.e.f.June2022) **(CBCSPATTERN 2020)** **Time:10:00 am to 01:00 pm**
Saturday **17/05/2025**	538	System Software(BTN05501)
Monday **19/05/2025**	539	Operating Systems(BTN05502)
Tuesday **20/05/2025**	540	Database Engineering(BTN05503)
Wednesday **21/05/2025**	541	Design and Analysis of Algorithms(BTN05504)
Thursday **22/05/2025**	542 543 544	**<u>Honors Degree</u>** a)Reinforcement Learning(BTN05512) b) Data Preprocessing &Visualization(BTN05513) c) Network Security and Secure Coding(BTN05514)
Friday **23/05/2025**	545 546 547 548 549	**SelfLearning** 1.Economics(BTN05506) 2. Intellectual Property Rights for Technology Development andManagement(BTN05507) 3. IntroductiontoSociology(BTN05508) 4. StressandCoping(BTN05509) 5. ProfessionalEthics&HumanValue(BTN05510) <mark>**Time:10:00 am to 12:00 pm**</mark>

Day&Date	Sr. No.	T.Y.(B.Tech.)(InformationTechnology)Sem–II (New w.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:10:00 amto 1:00pm
Tuesday 27/05/2025	550	Artificial Intelligence(BTN05601)
Thursday 29/05/2025	551	Object Oriented Modeling &Design(BTN05602)
Monday 02/06/2025	552	Software Engineering(BTN05603)
Wednesday 04/06/2025	553 554 555	**Professional Elective – I** a) Cloud Computing(BTN05606) b) Augmented Reality/Virtual Reality(BTN05607) c) Network Security(BTN05608)
Friday 06/06/2025	556 557 558	**Open Elective** a) Principles of Management: Practicing Ethics, Responsibility, Sustainability(BTN05609) b) Engineering Economics and Management(BTN05610) c) Disaster Management(BTN05611)
Tuesday 10/06/2025	559 560 561	**Honors Degree** a) Natural Language Processing(BTN05612) b) Machine Learning (BTN05613) c) Cyber forensic(BTN05614)

Day&Date	Sr. No.	Fourth.Y.(B.Tech.)(Information Technology Engg.)Sem–I (New w.e.f.June 2023) (CBCS 2020 PATTERN) Time: 3:00 pm to 6:00pm
Monday 09/06/2025	562	Cyber Security (BTN05701)
Tuesday 03/06/2025	563	Management Information Systems (BTN05702)
Wednesday 04/06/2025	564 565 566	**Professional Elective-II** a) Internet of Things(BTN05706) b) Distributed Systems (BTN05707) C)Blockchain Technology (BTN05708)
Thursday 05/06/2025	567 568 569	**Professional Elective-III** a) Human Computer Interaction (BTN05709) b) Big Data Analytics (BTN05710) c) Information Retrieval (BTN05711)
Friday 06/06/2025	570 571 572	**Honors Degree** a) Deep Learning (BTN05713) b) Predictive Analytics (BTN05715) c) Information Auditing and monitoring (BTN05717)

Day & Date	Sr. No.	Fourth. Y. (B.Tech.)(Information Technology Engg.) Sem–II (New w.e.f.Oct.2023) (CBCSPATTERN) Time: 3:00 pm to 6:00 pm
Monday 26/05/2025	573	Management Information System(197046801)
Wednesday 28/05/2025	574	Information Assurance and Security (197046802)
Friday 30/05/2025	575 576	Elective-IV a) Big Data Analytics (197046805) b) Cloud Computing (197046806)
Monday 02/06/2025	577 578	Elective–V a) Natural Language Processing (197046807) b) Information Retrieval (197046808)

Day&Date	Sr. No.	T.Y.(B.Tech.)(ElectricalEngg.)Sem–I(New w.e.f.June 2022) (CBCS 2020 PATTERN) Time:10:00 am to 01:00 pm
Saturday 17/05/2025	579	Power System-III(BTN07501)
Monday 19/05/2025	580	Linear Control System(BTN07502)
Tuesday 20/05/2025	581	Advanced Microcontroller System (BTN07503)
Wednesday 21/05/2025	582	Electromagnetic Engineering (BTN07504)
Thursday 22/05/2025	583 584 585 586	**Open Elective-I** a) Information Technology & Management(BTN07512) b) Advanced Electrical Machines (BTN07513) c) Business Ethics(BTN07514) d) Managerial Economics(BTN07515)
Friday 23/05/2025	587 588	**Honors Degree** 1. Smart Energy Management System (BTN07516) 2. Electric Motors and Controls for Electric Vehicle (BTN07517)
Saturday 24/05/2025	589 590 591 592 593	**Self Learning** 1. Economics (BTN07506) 2. Intellectual Property Rights for Technology Development and Management (BTN07507) 3. Introduction to Sociology (BTN07508) 4. Stress and Coping (BTN07509) 5. Professional Ethics & Human Value(BTN07510) Time:10:00 am to 12:00 pm

Day & Date	Sr. No.	T.Y.(B.Tech.)(ElectricalEngg.)Sem–II(New w.e.f.Nov.2022) (CBCS 2020 PATTERN) Time:10:00 amto 1:00pm
Tuesday **27/05/2025**	594	Electrical Machine Design (BTN07601)
Thursday **29/05/2025**	595	Electrical Utilization (BTN07602)
Monday **02/06/2025**	596	Power Electronics & Industrial Drives (BTN07603)
Wednesday **04/06/2025**	597	Advanced Control Systems (BTN07604)
Friday **06/06/2025**	598 599 600 601	**Open Elective-I** a) Operating Systems (BTN07606) b) Renewable Energy Sources (BTN07607) c) Fiber Optic Communication (BTN07608) d) Sensors & Applications (BTN07609)
Tuesday **10/06/2025**	602 603 604	**Self Learning** 1. **Hybrid Electric Vehicle Design** (BTN07610) 2. Electrical Safety (BTN07611) 3. Solar Photo voltaic System Design & Installation (BTN07612) Time:10:00 am to 12:00 pm
Thursday **12/06/2025**	605 606	Honars Subject. 1. Energy Management System for Electric Vehicle(BTN07614) 2. Distributed Energy Integration (BTN07613)

Day & Date	Sr. No.	T.Y.(B.Tech.)(MechanicalEngg.)Sem–II(w.e.f.Nov.2020-21) (CBCS 2020 PATTERN) Time:10:00 amto 1:00pm
Tuesday **27/05/2025**	607	Electrical Utilization (197045602)

Day & Date	Sr. No.	Fourth.Y. (B.Tech.) (Electrical Engg.)Sem–I (New w.e.f.June2023) (CBCS 2020 PATTERN) Time: 3:00 pm to 6:00pm
Monday 02/06/2025	608	Power Quality and FACTS (BTN07701)
Tuesday 03/06/2025	609	Signals and System (BTN07702)
Wednesday 04/06/2025	610	Switchgear and Protection (BTN07703)
Thursday 05/06/2025	611 612 613 614 615 616	**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)
Friday 06/06/2025	617 618 619 620 621 622	**Professional Elective-II** a) Power System Planning (BTN07711) b) Extra High Voltage AC Transmission (BTN07712) c) Special Purpose Machines and their control (BTN07713) d) Advanced Electrical Drives (BTN07714) e) Advanced Applications in Solar Energy Technology (BTN07715) f) Electric and Hybrid Vehicle (BTN07716)
Monday 09/06/02025	623 624	**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.)(ElectricalEngg.)Sem–II (New w.e.f.Nov.2023) (CBCSPATTERN) Time: 3:00 pm to 6:00 pm
Monday 26/05/2025	625 626 627	**Self Learning Module-III** **a)** Electrical Estimation, Installation, and Testing (BTN07802) b) Mechatronics (BTN07803) c) Alternate Energy Systems (BTN07804)
Wednesday 28/05/2025	628 629 630	**Self Learning Module-IV** a) Electrical Energy Audit and Management (BTN07805) b) High Voltage DC Transmission (BTN07806) c) Illumination Engineering (BTN07807)

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Date: 03/05/2025

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Board of Examinations and Evaluation

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Equivalence Subject List

Course Abbreviation	Semester	Paper Name	Paper Code	New Paper Name	New Paper Code
B.Tech. (with Credits) [Mechanical Engineering]	Sem-5	Machine Design-I	197041501	Design of Machine Elements	BTN02501
B.Tech. (with Credits) [Mechanical Engineering]	Sem-5	Metallurgy	197041503	Metallurgy	BTN02503
B.Tech. (with Credits) [Mechanical Engineering]	Sem-6	Heat Transfer	197041603	Heat Transfer	BTN02603
B.Tech. (with Credits) [Mechanical Engineering]	Sem-6	Joining Technology for Metals	197041615	No Equivalence	
B.Tech. (with Credits) [Mechanical Engineering]	Sem-6	Machine Design-II	197041601	Transmission System Design	BTN02601
B.Tech. (with Credits) [Civil Engineering]	Sem-7	Construction Engineering, Management & Construction Practices	197042702	Construction Management and Practices	BTN01703
B.Tech. (with Credits) [Civil Engineering]	Sem-7	Design of Concrete Structures-II	197042703	Design of Concrete Structures-II	BTN01603
B.Tech. (with Credits) [Civil Engineering]	Sem-7	Earthquake Engineering	197042704	Earthquake Engineering	BTN01702
B.Tech. (with Credits) [Civil Engineering]	Sem-7	Engineering Economics, Estimation & Costing	197042701	Estimating, Costing and Valuation	BTN01701
B.Tech. (with Credits) [Civil Engineering]	Sem-7	Water Power Engineering	197042717	Water Power Engineering	BTN01715
B.Tech. (with Credits) [Electrical Engineering]	Sem-7	Energy Audit and Management	197045707	Electrical Energy Audit and Management	BTN07805
B.Tech. (with Credits) [Mechanical Engineering]	Sem-7	Automobile Engineering	197041702	Automobile Engineering	BTN02702
B.Tech. (with Credits) [Mechanical Engineering]	Sem-7	Entrepreneurship Development	197041713	Entrepreneurship Development	BTN02711

B.Tech. (with Credits) [Mechanical Engineering]	Sem-7	Production and Operations Management	197041706	Production and Operations Management	BTN02706
B.Tech. (with Credits) [Mechanical Engineering]	Sem-7	Refrigeration and Air Conditioning	197041701	Refrigeration and Air Conditioning	BTN02701
B.Tech. (with Credits) [Mechanical Engineering]	Sem-7	Robotics and Artificial Intelligence	197041703	No Equivalence	
B.Tech. (with Credits) [Civil Engineering]	Sem-8	Advanced Concrete Technology	197042821	Advanced Concrete Technology	BTN01616
B.Tech. (with Credits) [Civil Engineering]	Sem-8	Air & Noise Pollution and Control	197042813	Air & Noise Pollution and Control	BTN01716
B.Tech. (with Credits) [Civil Engineering]	Sem-8	Professional Practice, Law & Ethics	197042803	Professional Practice, Law & Ethics	BTN01801
B.Tech. (with Credits) [Civil Engineering]	Sem-8	Repairs & Rehabilitation of Structures	197042806	Repairs & Rehabilitation of Structures	BTN01803