

Academic Booklet

Academic Year 2024-25

Bachelor of Engineering in Computer Science & Engineering (B.Tech. CSE)

Department of

Computer Science & Engineering

Parul Institute of Engineering & Technology Faculty of

Engineering & Technology

Parul University

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About University

A multidisciplinary destination of learning and innovation, propelling quality in higher education with a record of being India's youngest private university to receive NAAC A++ accreditation in the first cycle. Situated in Vadodara, Gujarat, Parul University, is an embodiment of the nation's essence of cultural heritage blended with modern innovations and academic practices for student enrichment, while fostering national and global development. The University is an amalgamation of faculties and institutes that offer a plethora of diploma, undergraduate, postgraduate and doctoral programs in numerous disciplines. Through its uniquely structured, industry linked and field aligned programs, the University holds a noteworthy record of fulfilling the infinite dreams of students, by launching their lucrative careers towards high trajectories through start-up incubation and impeccable placement records. The 150+ acre eco-friendly campus is home to over50,000+ students from every State of India and over 3,500 international students from 75+ countries, making Parul University a truly culturally global destination. In addition to its NAAC A++ accreditation, the University holds global memberships in bodies such as the Association of Commonwealth Universities. The University's stamps of quality extend to its DSIR recognition for quality research, NABL accreditation for quality in clinical medical research, NABH accreditation for quality healthcare and ARIIA Top 50 ranking for innovation achievements nationwide. In recognition of Parul University's excellence in education it has been awarded for being the Best Private University in Western India by Praxis Media and Best University in Placements by ASSOCHAM. Recently PU achieved a significant milestone by receiving prestigious diamond rating in QS I-Gauge Indian University rating 2024-26.

Vision of University

To make successful academic quests through entrepreneurship, research, modernization and partnerships, thus making PU the finest educational destination.

Mission of Parul University

- Bridging the gap between academia and career, by paying emphasis on development programs for both students and staff.
- o Promoting healthy relationships between PU's existing students, alumni, teachers and staff.
- o Forming associations with other universities and corporate firms of the nation and the world.
- o Presenting state of art infrastructure with high quality and energized work ethics

About the Institute

Parul Institute of Engineering and Technology (PIET) established in the year 2003, is a prominent educational institution located in Vadodara, Gujarat, India. It is part of Parul University and offers a range of undergraduate, postgraduate, doctoral programs and industry embedded programs in various engineering disciplines.

PIET is known for its modern infrastructure, state-of-the-art laboratories, and a strong emphasis on practical and industry-oriented education. The institute fosters innovation and research, providing students with opportunities to engage in projects and collaborations with industry partners. Additionally, PIET emphasizes holistic development through extracurricular activities, workshops, and seminars, aiming to produce well-rounded engineering professionals.

Reflecting its commitment towards academic excellence and overall development, Gujarat State Institute Ranking Framework (GSIRF) awarded Parul Institute of Engineering and Technology with 4 star ranking.

Vision of Institute

To be a centre par excellence for creating skilled professionals in Engineering.

Mission of Institute

To offer state-of-art education through undergraduate, postgraduate and doctoral programmes, for promoting entrepreneurship, enhancing employability, and engaging in research.



About the Department

VISION

To be a distinct hub of education that prepares skilled professional in the field of Computer Science and Engineering.

MISSION

- Enhance academic performance by adopting industry-oriented curriculum focusing on thrust area of computer education through integrated learning in collaboration with prominent industries.
- Preparing students to face challenges of real world through internships and project-based learning.
- Foster a research culture that results in sound knowledge base, high-quality publications, new products and IPR.
- Inculcate ethical consciousness in students so that they can achieve success in their professional endeavors and can become responsible citizens.

CODE OF CONDUCT FOR STUDENTS

- All students of Parul University shall compulsorily display their University ID cards by wearing it round their neck. If any student is found without an ID card on any day, he/she will be marked absent for that day.
- The university expects all the students to behave in a manner expected of a prudent person.
- The students shall be dressed in a presentable manner which does not invite criticism from any quarter.
- The students shall strictly adhere to the class timings and be punctual in attending all classes.
- The students shall display cordial, genial and respectful behaviour towards their teachers.
- The students should be polite, cooperative and respectful in dealing with the employees of the University.
- The students shall maintain the highest order of cleanliness in the classroom as well as in the college premises.
- The students should not indulge in boisterous behaviour at any place on the university campus.
- The students shall follow the directions issued in accessing common places such as library, canteen, sports fields, auditorium, gymnasium, swimming pool etc...
- The students shall strictly follow the schedules given by the class teacher regarding the assignments, class tests, examinations, practicals etc...and shall complete the assigned work within the duration specified by their teachers.
- The students shall follow the instructions given by the teacher during practicals in relation to the use of laboratory/workshops/implements/equipments...
- Whenever the student has queries regarding their performance from either the class teacher or from any office in the College/University, they should follow the procedures laid down for the same and approach the concerned with utmost respect to the Authority.
- The students shall pay all prescribed fees at the stipulated times and avoid being penalized for non-payment of fees.
- The students shall not indulge in unfair means during the conduct of class tests/ internal and external examinations.

- The students shall not indulge in unlawful assembly at any place in the campus.
- Any problem encountered by the students should be brought to the notice of the Authorities immediately available in the College/University.
- The students should never take law into their own hands and report any matter of lawlessness or harassment to the College Authorities immediately which, in turn, will initiate suitable action.
- The students shall participate in all national events such as Independence Day, Republic Day organized by the University.
- The students should not indulge in any of the activities which adversely affect the reputation of the University.
- The students shall not consume prohibited substances such as alcohol, narcotics, Marijuana, Heroin, Cocaine etc. and shall not keep in their custody/hostel premises illegal objects/ materials such as firearms, missiles, bombs, narcotics, alcohol or other intoxicants etc. Smoking and chewing of tobacco is strictly prohibited in the campus.
- UGC has directed all the universities to strictly implement anti-ragging measures in universities and colleges. It is also the responsibility of the institutions in the university to ensure safety of the newcomers and to protect them from any incidence which may harm either their physical or mental faculties. Any student, who has been found involved in the incident related to ragging, strict disciplinary action as enumerated in UGC Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009 will be initiated against the delinquent student.
- Any violation of the provisions mentioned above will be viewed as an Act of Misconduct
 and university, after conducting a thorough probe into such incidents, shall initiate strict
 disciplinary action against delinquent students.

CODE OF CONDUCT FOR FOREIGN STUDENTS WHILE RESIDING OUTSIDE THE UNIVERSITY CAMPUS:

- A number of foreign nationals are studying in the University under various degree programmes.
 Those foreign students who stay outside the campus will have to adhere to certain code of conduct as mentioned below.
- They have to enter into a Rent Agreement with the owners of the accommodation and submit a copy of the same to the ISAC in the University
- They shall inform the local police about their residence
- Boys and girls should necessarily stay in separate accommodation
- They shall not consume any narcotic substance such as Marijuana, Heroin, Cocaine etc. In
 case, they consume alcohol, they should necessarily have obtained permit for the same from
 competent authorities. Any violation would make them liable for disciplinary action
 from the concerned authorities.
- They should not play loud music in their accommodation which would serve as a nuisance to the neighbours. They should maintain cordial relations with their neighbours and shall live in harmony with them. Further, they should not indulge in any boisterous behavior such as getting into altercation with neighbours, causing disturbance to them etc. Moreover, they shall always maintain the social decorum by behaving politely, wearing appropriate attire so as to ensure the amicable living atmosphere with others.
- Whenever they leave town for any reason, they should necessarily inform the authorities in ISAC and also their counsellor.

Regulations for boarders residing in the university hostels:

GENERAL:

- All students shall conform to the rules of good conduct and shall respect the authorities of the university.
- Students shall put in efforts to protect the property of the university and make proper use of the facilities provided.
- No student shall deface or destroy any university or public property.

- Students shall maintain proper decorum in all places such as classrooms, hostels, laboratories, sports facilities, transport facilities etc...
- Students shall not disturb the normal work of the university by disorderly conduct, boisterous behaviour and unauthorized assembly.
- Ragging in any form is strictly prohibited.
- Consumption of alcohol or drunkenness or drug addiction or gambling on the campus is strictly prohibited.
- Students should not indulge in celebration of any festivals on days other than those notified by the university.
- Violation of any of the regulations will be treated as an act of indiscipline and shall be brought to the notice of the Hostel Superintendent by the concerned student.
- The Hostel Superintendent in consultation with the concerned Rectors shall enquire into the matter and may implement immediate measures such as giving a warning, imposing a fine or debarring from the hostel for a period not exceeding one month.
- In further cases of serious indiscipline, an Inquiry cum Disciplinary Committee may be
 formed comprising officials in the university and the said Committee shall inquire into acts of
 indiscipline and suggest punitive measures to the Higher Authorities in the University.
- The decision of the higher authorities in the university in all these matters shall be final and binding on all concerned.
- The Rector of each hostel shall hold weekly open meetings with the boarders on designated day and time to address the grievances of the boarders, if any.
- Similar open meetings will be held by the Hostel Superintendent with the boarders once a month on designated day and time to address the grievances of the boarders, if any.

ADMISSION TO THE HOSTELS:

- Any student admitted to any institution in the university is eligible to be admitted to the concerned hostel subject to the availability of accommodation.
- Preference will be given to the regular students of the university.
- Application may be made to the Rector of the hostel on payment of prescribed application fees.

• The Rector of the hostel in consultation with the Hostel Superintendent shall allot rooms to the applicants depending upon the availability.

PAYMENT OF HOSTEL FEES

- Every boarder in the hostel shall pay the prescribed fees from time to time.
- The Hostel Fees will be decided by the Management of the Trust running the hostels. In case, the prescribed fees are not paid in time, the boarder shall have to pay the fine as decided by the Management of the Trust

BEHAVIOUR OF BOARDERS IN THE HOSTEL

- The boarders shall not change the room allotted to them by the Rector without the permission of the Rector.
- The boarders shall keep their rooms neat and tidy and shall cooperate with the hostel management in safe upkeep of the common utilities provided to them.
- The boarders shall allow the Rector to inspect their rooms whenever demanded.
- The corridors, toilets, reading room, TV room, mess etc... are common utilities provided by the hostel and it is the responsibility of every boarder to use them appropriately without causing any damage.
- The boarders themselves are responsible for the safety of their belongings and are advised not to keep any valuable items in their rooms.
- The boarders shall not consume prohibited substances such as alcohol, narcotics,
- Marijuana, Heroin, Cocaine etc. and shall not keep in their custody/hostel premises illegal objects/ materials such as firearms, missiles, bombs, narcotics, alcohol or other intoxicants etc.
- Smoking and chewing of tobacco is strictly prohibited.
- Gambling in any form is strictly prohibited.
- Viewing prohibited material on personal computers, laptops, mobile and other electronics devices will be strictly viewed as an act of indiscipline.
- No person other than the boarders shall be allowed to enter the hostel premises without the permission of the Rector.

- Boarders shall not allow any guests to stay overnight in their rooms.
- No boarder shall stay outside the hostel after 9:00 PM without prior permission of the Rector. However, boarders in the Ladies' Hostel shall not remain outside the hostel beyond 7:30 PM without prior permission of the Rector. Any violation of this provision shall be viewed seriously and disciplinary proceedings will be initiated.
- Boarders shall treat all employees of the hostel with courtesy and respect.
- Boarders shall not hold any unauthorized meeting in the hostel premises.
- Boarders shall vacate the hostel during vacations to facilitate upkeep of the hostels.
- Boarders shall wear proper dresses when they visit the common room, dining hall or any public place on the university campus.
- Any complaint or grievances which the boarders have shall be reported to the Rector who in turn shall bring it to the notice of the Hostel Superintendent immediately for redressal.

HOSTEL MESS

- There shall be as many number of messes as is required in the university premises.
- All meals, breakfast etc... will be served only in the mess.
- Boarders shall have food only in that mess to which they are allotted.
- The mess charges shall be collected along with the hostel fees as determined by the Trust.
- Boarders shall treat all mess workers with courtesy and respect.
- Food will not be taken out of the mess for any reason.
- Any complaints regarding the quality of food shall be brought to the notice of the concerned Rectors and Hostel Superintendent.
- The boarders shall strictly adhere to the timings of the mess.
- The boarders will have to be properly dressed while coming to the mess.

PEO's, PO's & PSO's PEO's:

- PEO 1 Apply computer science and engineering theories, principles, and skills to address societal challenges.
- PEO 2 Display a lifelong learning mindset and adapt to quick technological developments in the sector.
- PEO 3 Exhibit professionalism, collaboration, leadership abilities, and awareness of contemporary demands.

PO's:

- PO 1 Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO 2 Problem analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using the first principles of mathematics, natural sciences, and engineering sciences.
- PO 3 Design/Development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.
- PO 4 Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO 5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- PO 6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO 7 Environment and sustainability: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.

PO 8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO 9 Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO 10 Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO 11 Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO 12 Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PSO's:

PSO 1 Demand as per recent development: An ability to analyze, design, verify, validate, code and maintain the solution of given problem to derive execution of software system.

PSO 2 Software skill: An ability to understand, apply and work with one or more domain using knowledge of mathematical techniques and principles with relevant areas of computer science.

ACADEMIC CALENDAR

Faculty of Engineering & Technology





Academic Calendar (ACY 2024-25) (Even Term) Bachelor of Technolog/IEDP/M. Tech Courses (Reg Sem - IV, VI, VIII)

Week	MONDAY	Tuesday	Wednesday	Thursday	Friday	Saturday
01	25	26	27	28	29	30
Nov	Teaching Start					
02	02	03	04	05	06	07
Dec	SACROPANA.		54540	100000		
03	09	10	11	12	13	14
350						
04	16	17	18	19	20	21
						Weekly 1
05	23	24	25	26	27	28
		0.20.00	Christmas			Weekly 2
06	30	31	01	02	03	04
Dec/Jan				Hackathon	Hackathon	Weekly 3
07	06	07	08	09	10	11
						Weekly 4
08	13	14	15	16	17	18
00		Makar Sakranti	Sakranti - 2nd Day			Weekly 5
09	20	21	22	23	24	25
09						Weekly 6
10	27	28	29	30	31	01
Jan/Feb	Mid Sem Exam	Mid Sem Exam	Mid Sem Exam	Mid Sem Exam	Mid Sem Exam	Mid Sem Exam
(60)1	03	04	05	06	07	08
11					Tech Expo	Tech Expo
12	10	-11	12	13	14	15
13	17	18	19	20	21	22
14	24	25	26	27	28	01
14 Feb/Mar		245	Maha Shivratri			
15	03	04	05	06	07	08
13						
16	10	11	12	13	14	15
10	TW Submission	TW Submission	TW Submission	TW Submission	Dhuleti	TW Submission
17	17	18	19	20	21	22
10.68	24	25	26	27	28	Teaching End
18	ESE (Practical)	ESE (Practical)	ESE (Practical)	ESE (Practical)	ESE (Practical)	29 ESE (Practical)
10	31	O1	02	O3	04	O5
19 Mar/Apr	Eid-ul-Fitra	ESE (Practical)	ESE (Practical)	ESE (Practical)	ESE (Practical)	ESE (Practical)
F	07	08	09	10	11	12
20	ESE (Theory)	ESE (Theory)	ESE (Theory)	Mahavir Janma Kalyanak	ESE (Theory)	ESE (Theory)
	14	15	16	17	18	19
21	Baba Saheb Ambedkar Birthday	ESE (Theory)	ESE (Theory)	ESE (Theory)	ESE (Theory)	ESE (Theory)
22	21	22	23	24	25	26
22	ESE (Theory)	ESE (Theory)	ESE (Theory)	ESE (Theory)	ESE (Theory)	ESE (Theory)

Important

Notes

1. Marks Locking date by HOD: 17th March, 2025
2. Marks Locking date by Principal and Dean: 18th March, 2025
3. End Sem Practical Dates: 24th - 5th April, 2025
4. End Sem Theory Dates: 7th - 26th Apr, 2025
5. End Sem Supplementary Exam Dates: 27th April, 2025 Onwards
6. Mid Sem-F2 (Remedial) grade Exam Dates:17th Feb, 2025
7. New Term (Even) Commencement: 2nd week of June, 2025 Onwards

Dean - Faculty of Engg & Tech

TIME TABLES -4CSE1 to 4CSE16

	I		ARUL UNIVERSITY	J		Richard Bound
			JLTY OF ENGINEERING & TECHNOLOGY STITUTE OF ENGINEERING & TECHNOLO	GV		Parul® University
ACADEMIC YEAR:	: 2024-25	INSTITUTE NAME: PARUL I	STITUTE OF ENGINEERING & TECHNOLO	GI	YEAR: 2nd YEAR	NAAC GRADE ()++
SEMESTER: 4 th	. 2021 20				LEVEL: UG	Than Stands of the Control of the Co
	: B.TECH COMPUTER SCIENCE ENGINEERING				DIVISION: 4CSE1	EFFECTIVE FROM: 25-11-2024
						EFFECTIVE FROM: 25-11-2024
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
7:30 - 8:30	4CSE1:B2:CC:MKK:LAB-411	4CSE3:CN:AP:D-320	4CSE1: B2:PPFD:AG:LAB-411	CODECHEF	4CSE1:COMA-YDM:D-313	4CSE1:B2:CN:TV:LAB-401
8:30 - 9:30	4CSE 1:B1:PPFD:AG:LAB- 412	4CSE1:PGPD:AB:D-320	4CSE1:B1:CC:MKK:LAB- 412		4CSE1:PPFD:AG:D-313	4CSE1:B1:COMA:YDM:LAB-402
9:30-9:45			RECESS TIME: 09	9:30-09:45		
09:45 - 10:45	4CSE1:B2:CC:MKK:LAB-411	4CSE1:B2:COMA:YDM:LAB-411 4CSE1:		CODECUE	4CSE1:PSNM:AAJ:D-313	4CSE1:PSNM:AAJ:D-302
10:45 - 11:45	4CSE1:B1:CN:AB:LAB- 412	B1:OS:YF: LAB- 412	LIBRARY	CODECHEF	4CSE1:PPFD:AG:D-313	4CSE1:PSNM:AAJ:D-302
11:45 - 12:45			RECESS TIME: 11	:45 - 12:45		
12:45 - 01:35	4CSE1:OS:YF:D-313	4CSE1:OS:YF:D-302	4CSE1:B1:CC:MKK: LAB-411	CODECHEF	4CSE1:PSNM:AAJ:D-118	4CSE1:COMA-YDM:D-302
01:35 - 02:25	4CSE1:COMA-YDM:D-313	4CSE1:PPFD:AG:D-302	4CSE1:B2:OS:YF:LAB- 412	CODECHER	LIBRARY	4CSE1:OS:YF:D-302
SUBJECT_CODE	SUBJECT_NAME	SHORT_NAME	FACULTY FULL_NAME	FACULTY SHORT NAME	EMAIL ID	MIS ID 13801
303105251	OPERATING SYSTEM	OS	DR. YASSIR FAROOQUI DR. YASSIR FAROOQUI	YF YF	yassir.farooqui270062@paruluniversity.ac.in yassir.farooqui270062@paruluniversity.ac.in	13801
303105252	OPERATING SYSTEM LABORATORY	OS LAB	DR. YASSIR FAROOQUI	YF	yassir.farooqui270062@paruluniversity.ac.in yassir.farooqui270062@paruluniversity.ac.in	13801
303105210	COMPUTER ORGANIZATION AND MICROPROCESSOR ARCHITECTURE	COMA	Yagnik D. Moga	YDM	yagnik.moga31793@paruluniversity.ac.in	31793
303105211	COMPUTER ORGANIZATION AND	COMA LAB	Yagnik D. Moga	YDM	yagnik.moga31793@paruluniversity.ac.in	31793
	MICROPROCESSOR ARCHITECTURE LAB		Yagnik D. Moga	YDM	yagnik.moga31793@paruluniversity.ac.in	31793
303105255	COMPUTER NETWORK	CN	AKSHARA PRACHI	AP	akshara.jha29428@pauluniversity.ac.in	29428
303105256	COMPUTER NETWORK LABORATORY	CN LAB	TANDRA VENNELA	TV	vennela.tandra35379@paruluniversity.ac.in	35379
303103230		0.122	APARAJITA BISWAL	AB	aparajita.biswal34355@paruluniversity.ac.in	34355
303105257	PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT	PPFD	AARSHI GUPTA	AG	aarshi@bytexl.in	32551
	PROGRAMMING IN PYTHON WITH FULL	PPFD LAB	AARSHI GUPTA	AG	aarshi@bytexl.in	32551
303105258	STACK DEVELOPMENT LABORATORY		AARSHI GUPTA	AG	aarshi@bytexl.in	32551
	PROBABILITY, STATISTICS AND NUMERICAL METHODS	PSNM	APEKSHA JOSHI	AAJ	apeksha.joshi19867@paruluniversity.ac.in	19867
303191251						
303191251	PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT	PGPD	APURVA BHAGHWAT	AB	apurva.bhagwat36002@paruluniversity.ac.in	36002
	PROFESSIONAL GROOMING AND	PGPD CC	APURVA BHAGHWAT MUDRIK KAUSHIK	AB MKK	apurva.bhagwat36002@punuluniversity.ac.in mudrikkaushik@gmail.com	36002 29393
303193252	PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT			1.00		
303193252	PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT COMPETITIVE CODING		MUDRIK KAUSHIK D-118,D-320DD-302,D-313	1.00		
303193252	PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT COMPETITIVE CODING		MUDRIK KAUSHIK	1.00		
303193252	PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT COMPETITIVE CODING CLASSROOM NO: LAB/ TUTORIAL LOCATION:		MUDRIK KAUSHIK D-118,D-320DD-302,D-313 L-411,L412,L4-401,L-402	1.00	mudrikkaushik@gmail.com FACULTY REPRESENTATIVE / MFT	29393
303193252	PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT COMPETITIVE CODING CLASSROOM NO:		MUDRIK KAUSHIK D-118,D-320DD-302,D-313	1.00	mudrikkaushik@gmail.com	29393
303193252	PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT COMPETITIVE CODING CLASSROOM NO: LAB/ TUTORIAL LOCATION:		MUDRIK KAUSHIK D-118,D-320DD-302,D-313 L-411,L412,L4-401,L-402	1.00	mudrikkaushik@gmail.com FACULTY REPRESENTATIVE / MFT	29393
303193252	PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT COMPETITIVE CODING CLASSROOM NO: LAB/ TUTORIAL LOCATION:		MUDRIK KAUSHIK D-118,D-320DD-302,D-313 L-411,L412,L4-401,L-402	1.00	mudrikkaushik@gmail.com FACULTY REPRESENTATIVE / MFT SIGN & SEAL	29393

	<u> </u>		PARUL UNIVERSITY		1	
		FACULTY NAME: FA	CULTY OF ENGINEERING & TECHNOLO	GY		A Parul®
		INSTITUTE NAME: PARU	L INSTITUTE OF ENGINEERING & TECH	NOLOGY		University
ACADEMIC YEAR:	t: 2024-25				YEAR: 2nd YEAR	NAAC GRADE ()++
SEMESTER: 4 th	: B.TECH COMPUTER SCIENCE ENGINE	EDINC			LEVEL: UG DIVISION: 4CSE2	
TROGRAM NAME.	. B.TECH COMPUTER SCIENCE ENGINE	ERING			DIVISION. 4CSE2	EFFECTIVE FROM: 25-11-2024
	T		, , , , , , , , , , , , , , , , , , , 		1	
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				ACCEPA CIV. CC. D. 425		l
7:30 - 8:30	4CSE2:B2:CN:GS:LAB-409	4CSE2:B1:CN:AB:LAB-411	4CSE2:B1:COMA:YDM:LAB-409	4CSE2:CN:GS:D-425		4CSE2:B2:PPFD:NH:LAB-409
	4CSE2:B1:PPFD:NH:LAB-410	4CSE2:B1:CN:AB:LAB-411 4CSE2:B2:CC:PPR:LAB-412	4CSE2:B1:COMA: 1BM:EAB-409 4CSE2:B2:CC:PPR:LAB-410		CODECHEF	4CSE2:B1:CC:PPR:LAB-410
1				LIBRARY		
8:30 - 9:30						
9:30-9:45			RECESS TIM	F · 00 · 30 - 00 · 45		
9:30-9:43			RECESS TIVE	E. 07.30-07.43	1	
1	4CSE2:PSNM:AAJ:D-313		4CSE2:PSNM:AAJ:D-313			4CSE2:OS:YF:D-313
09:45 - 10:45		4CSE2:B2:OS:YS:LAB-409		4CSE2:B1:OS:YF:LAB-409	CODECIME	
1		4CSE2:B1:CC:PPR:LAB-410		4CSE2:B2:COMA:YDM:LAB-410	CODECHEF	
10:45 - 11:45	4CSE2:PSNM:AAJ:D-313		4CSE2:PSNM:AAJ:D-313			4CSE2:PGPD:AR:D-313
10:45 - 11:45	1					
11:45 - 12:45			RECESS TIME	E: 11:45 - 12:45		
11.45 - 12.45						
	4CSE2:PPFD:NH:D-302	4CSE2:PPFD:NH:D-313	4CSE2:COMA-YDM:D-313	4CSE2:OS:YF:D-313		LIBRARY
12:45 - 01:35					CODECHEF	
1	ACCEPA OC ME D 202	ACCREA PRED NIL D 212	ACCES COMA VENA D 313	LIDDADY	CODECIES	
01:35 - 02:25	4CSE2:OS:YF:D-302	4CSE2:PPFD:NH:D-313	4CSE2:COMA-YDM:D-313	LIBRARY		4CSE2:COMA-YDM:D-216
	OUDIE/VE NAME	OHADE MAME		ELANTAN MARKANA	EMAN III	MIS ID
SUBJECT_CODE 303105251	SUBJECT_NAME OPERATING SYSTEM	SHORT_NAME OS	FACULTY FULL_NAME DR. YASSIR FAROOQUI	FACULTY SHORT NAME YF	EMAIL ID yassir.farooqui270062@paruluniversity.ac.in	13801
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303105211	COMPUTER ORGANIZATION AND MICROPROCESSOR ARCHITECTURE	COMA LAB	Yagnik D. Moga	YDM	yagnik.moga31793@paruluniversity.ac.in	31793
	LAB		Yagnik D. Moga	YDM	yagnik.moga31793@paruluniversity.ac.in	31793
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١ ,	PROGRAMMING IN PYTHON WITH FULL		NASRULLAH HUSAMI	NH	husamisk@gmail.com	32898
303105258	PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY	PPFD LAB	NASRULLAH HUSAMI NASRULLAH HUSAMI	NH NH	husamisk@gmail.com husamisk@gmail.com	32898 32898
303105258 303191251	STACK DEVELOPMENT LABORATORY	PPFD LAB PSNM				
303191251	STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND NUMERICAL METHODS PROFESSIONAL GROOMING AND	PSNM	NASRULLAH HUSAMI APEKSHA JOSHI	NH AAJ	husamisk@gmail.com apeksha.joshi19867@paruluniversity.ac.in	32898 19867
303191251 303193252	STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND NUMERICAL METHODS PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT	PSNM PGPD	NASRULLAH HUSAMI APEKSHA JOSHI ARVIND ROHIT	NH AAJ AR	husamisk@gmail.com apeksha.joshi19867@paruluniversity.ac.in arvindbhai.rohit20036@paruluniversity.ac.in	32898 19867 20036
303191251	STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND NUMERICAL METHODS PROFESSIONAL GROOMING AND	PSNM	NASRULLAH HUSAMI APEKSHA JOSHI ARVIND ROHIT PPAVANI REDDY	NH AAJ	husamisk@gmail.com apeksha.joshi19867@paruluniversity.ac.in	32898 19867
303191251 303193252	STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND NUMERICAL METHODS PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT	PSNM PGPD	NASRULLAH HUSAMI APEKSHA JOSHI ARVIND ROHIT	NH AAJ AR	husamisk@gmail.com apeksha.joshi19867@paruluniversity.ac.in arvindbhai.rohit20036@paruluniversity.ac.in	32898 19867 20036
303191251 303193252	STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND NUMERICAL METHODS PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT COMPETITIVE CODING	PSNM PGPD	NASRULLAH HUSAMI APEKSHA JOSHI ARVIND ROHIT PPAVANI REDDY D-302,D-313,D-216,D-425	NH AAJ AR	husamisk@gmail.com apeksha.joshi19867@paruluniversity.ac.in arvindbhai.rohit20036@paruluniversity.ac.in	32898 19867 20036
303191251 303193252 303105259	STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND NUMERICAL METHODS PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT COMPETITIVE CODING	PSNM PGPD	NASRULLAH HUSAMI APEKSHA JOSHI ARVIND ROHIT PPAVANI REDDY	NH AAJ AR	husamisk@gmail.com apeksha.joshi19867@paruluniversity.ac.in arvindbhai.rohit20036@paruluniversity.ac.in pavanihannah03@gmail.com FACULTY REPRESENTATIVE /	32898 19867 20036
303191251 303193252 303105259	STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND NUMERICAL METHODS PROPESSIONAL GROOMING AND PERSONALITY DEVELOPMENT COMPETITIVE CODING CLASSROOM NO:	PSNM PGPD	NASRULLAH HUSAMI APEKSHA JOSHI ARVIND ROHIT PPAVANI REDDY D-302,D-313,D-216,D-425	NH AAJ AR	husamisk@gmail.com apeksha.joshi19867@paruluniversity.ac.in arvindbhai.rohit20036@paruluniversity.ac.in pavanihannah03@gmail.com	32898 19867 20036 29373
303191251 303193252 303105259	STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND NUMERICAL METHODS PROPESSIONAL GROOMING AND PERSONALITY DEVELOPMENT COMPETITIVE CODING CLASSROOM NO:	PSNM PGPD	NASRULLAH HUSAMI APEKSHA JOSHI ARVIND ROHIT PPAVANI REDDY D-302,D-313,D-216,D-425	NH AAJ AR	husamisk@gmail.com apeksha.joshi19867@paruluniversity.ac.in arvindbhai.rohit20036@paruluniversity.ac.in pavanihannah03@gmail.com FACULTY REPRESENTATIVE /	32898 19867 20036 29373
303191251 303193252 303105259	STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND NUMERICAL METHODS PROPESSIONAL GROOMING AND PERSONALITY DEVELOPMENT COMPETITIVE CODING CLASSROOM NO:	PSNM PGPD	NASRULLAH HUSAMI APEKSHA JOSHI ARVIND ROHIT PPAVANI REDDY D-302,D-313,D-216,D-425	NH AAJ AR	husamisk@gmail.com apeksha.joshi19867@paruluniversity.ac.in arvindbhai.rohit20036@paruluniversity.ac.in pavanihannah03@gmail.com FACULTY REPRESENTATIVE /	32898 19867 20036 29373
303191251 303193252 303105259	STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND NUMERICAL METHODS PROPESSIONAL GROOMING AND PERSONALITY DEVELOPMENT COMPETITIVE CODING CLASSROOM NO: LABY TUTORIAL LOCATION: SIGN	PSNM PGPD	NASRULLAH HUSAMI APEKSHA JOSHI ARVIND ROHIT PPAVANI REDDY D-302,D-313,D-216,D-425 L-409,L410,L-411,L-412	NH AAJ AR	husamisk@gmail.com apeksha.joshi19867@paruluniversity.ac.in arvindbhai.rohit20036@paruluniversity.ac.in pavanihannah03@gmail.com FACULTY REPRESENTATIVE / MFT SIGN & SEAL	32898 19867 20036 29373
303191251 303193252 303105259	STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND NUMERICAL METHODS PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT COMPETITIVE CODING CLASSROOM NO: LAB TUTORIAL LOCATION:	PSNM PGPD	NASRULLAH HUSAMI APEKSHA JOSHI ARVIND ROHIT PPAVANI REDDY D-302,D-313,D-216,D-425 L-409,L410,L-411,L-412	NH AAJ AR	husamisk@gmail.com apeksha.joshi19867@paruluniversity.ac.in arvindbhai.rohit20036@paruluniversity.ac.in pavanihannah03@gmail.com FACULTY REPRESENTATIVE / MFT SIGN & SEAL	32898 19867 20036 29373
303191251 303193252 303105259	STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND NUMERICAL METHODS PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT CUMPETITIVE CUDING CLASSROOM NO: LAB/TUTORIAL LOCATION: SIGN	PSNM PGPD	NASRULLAH HUSAMI APEKSHA JOSHI ARVIND ROHIT PPAVANI REDDY D-302,D-313,D-216,D-425 L-409,L410,L-411,L-412 SIGN & SEAL	NH AAJ AR	husamisk@gmail.com apeksha.joshi19867@paruluniversity.ac.in arvindbhai.rohit20036@paruluniversity.ac.in pavanihannah03@gmail.com FACULTY REPRESENTATIVE / MFT SIGN & SEAL Jacobs SEAL Jacobs SEAL Jacobs SEAL	32898 19867 20036 29373
303191251 303193252 303105259	STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND NUMERICAL METHODS PROPESSIONAL GROOMING AND PERSONALITY DEVELOPMENT COMPETITIVE CODING CLASSROOM NO: LABY TUTORIAL LOCATION: SIGN	PSNM PGPD	NASRULLAH HUSAMI APEKSHA JOSHI ARVIND ROHIT PPAVANI REDDY D-302,D-313,D-216,D-425 L-409,L410,L-411,L-412	NH AAJ AR	husamisk@gmail.com apeksha.joshi19867@paruluniversity.ac.in arvindbhai.rohit20036@paruluniversity.ac.in pavanihannah03@gmail.com FACULTY REPRESENTATIVE / MFT SIGN & SEAL	32898 19867 20036 29373

			PARUL UNIVERSITY	<u> </u>		A Parul®
			CULTY OF ENGINEERING & TECHNOLO			University
		INSTITUTE NAME: PARUL	INSTITUTE OF ENGINEERING & TECH	INOLOGY		NAAC GRADE (A++
						THAT STADE OF
CADEMIC YEAR	R: 2024-25				YEAR: 2nd YEAR	
EMESTER: 4 th					LEVEL: UG	
ROGRAM NAMI	E: B.TECH COMPUTER SCIENCE ENGIN	NEERING			DIVISION: 4CSE3	EFFECTIVE FROM: 25-11-2024
				T		
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
7:30 - 8:30	4CSE3:CN:IR:D-425	4CSE3:B2:PPFD:NH:LAB-409	4CSE3:PSNM:MK:D-425	4CSE3:B1:PPFD:NH:LAB-409		CODECHEF
8:30 - 9:30	4CSE3:COMA:MSY:D-425	4CSE3:B1:CN:IR:LAB-410	4CSE3:PSNM:MK:D-425	4CSE3:B2:CC:PPR:LAB-410	4CSE3:B2:COMA:MSY:LAB-410	
9:30-9:45			RECESS TIN	ME: 09:30-09:45		
09:45 - 10:45	LIDDADY	4CSE3:COMA:MSY:D-320	4CSE3:B2:OS:YS:LAB-409	LIBRARY	4CSE3:PSNM:MK:D-302	CODECHEF
10:45 - 11:45	LIBRARY	4CSE3:PGPD:RP:D-320	4CSE3:B1:COMA:MSY:LAB-410	4CSE3:COMA:MSY:D-313	4CSE3:PSNM:MK:D-302	CODECHEF
11:45 - 12:45			RECESS TIM	IE: 11:45 - 12:45		
12:45 - 01:35	4CSE3:OS:YS:A-224	4CSE3:B1:OS:YS:LAB-411	4CSE3:OS:YS:D-302	4CSE3:PPFD:NH:D-302	4CSE3:B1:CC:PPR:LAB-409	CONFIGURE
01:35 - 02:25	4CSE3:OS:YS:A-224	4CSE3:B2:CC:PPR:LAB-412	4CSE3:PPFD:NH:D-302	4CSE3:PPFD:NH:D-302	4CSE3:B2:CN:IR:LAB-410	CODECHEF
UBJECT_CODE	SUBJECT_NAME	SHORT_NAME	FACULTY FULL_NAME	FACULTY SHORT NAME	EMAIL ID	MIS ID
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	PROGRAMMING IN PYTHON WITH		NASRULLAH HUSAMI	NH	husamisk@gmail.com	32898
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303105259	COMPETITIVE CODING	cc	P PAVANI REDDY	PPR	pavanihannah03@gmail.com	29373
	CLASSROOM NO:				_	
	LAB/ TUTORIAL LOCATION:				FACULTY REPRESENTATIVE / MFT	Shreya K Pandya
	SIGN		SIGN & SEAL		SIGN & SEAL	
	Evy!		3/		From the State From the State	
	PROF.SHREYA DHOLARIYA		DR.AMIT BARVE		Dr. Vipul Vekariya	

I			PARUL UNIVERSITY			
		FACULTY NAME:	FACULTY OF ENGINEERING & TECHN	OLOGY		Parul®
			RUL INSTITUTE OF ENGINEERING & T			University
ACADEMIC YEAR	R: 2024-25				YEAR: 2nd YEAR	──NAAC GRADE (A++
SEMESTER: 4 th	: B.TECH COMPUTER SCIENCE ENGI	MEEDING			LEVEL: UG DIVISION: 4CSE4	
FROGRAM NAME	: B.TECH COMPUTER SCIENCE ENGI	NEERING			DIVISION: 4CSE4	EFFECTIVE FROM: 25-11-2024
		T			1	
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
7:30 - 8:30	CODECHEF	4CSE4:B1:OS:SD:LAB-413 4CSE:B2:COMA:MSY:LAB-	4CSE4:B1:PPFD:NH:LAB-413	4CSE4:B2:OS:SD:LAB-411 CSE	4CSE4:PSNM:SC:D-425	4CSE4:PSNM:SC:D-425
8:30 - 9:30		804	4CSE4:B2:CN:IR:LAB-804	4CSE4:B1:COMA:MSY:LAB-412	4CSE4:PSNM:SC:D-425	4CSE4:PSNM:SC:D-425
9:30-9:45			RECESS T	TIME: 09:30-09:45		
09:45 - 10:45	- CODECHEF	4CSE4:IR:CN:D-313	LIBRARY	4CSE4:PPFD:NH:D-302	4CSE4:B2:PPFD:NH:LAB-409	LIBRARY
10:45 - 11:45		4CSE4:OS:SD:D-313	4CSE4:PGPD:AZ: A 224	4CSE4:PPFD:NH:D-302	4CSE4:B1:CC:PPR:LAB-410	
11:45 - 12:45			RECESS T	IME: 11:45 - 12:45		
12:45 - 01:35		4CSE4:COMA:MSY:D-309	4CSE4:OS:SD:D-309	4CSE4:B2:CC:NHY:LAB-409	4CSE4:OS:SD:D-313	4CSE4:B1:CC:PPR:LAB-409
01:35 - 02:25	CODECHEF	4CSE4:COMA:MSY:D-309	4CSE4:COMA:MSY:D-309	4CSE4:B1:CN:IR:LAB-410	4CSE4:PPFD:NH:D-313	4CSE4:B2:CC:NHY:LAB-410
SUBJECT_CODE	SUBJECT_NAME	SHORT_NAME	FACULTY FULL_NAME	FACULTY SHORT NAME	EMAIL ID	MIS ID
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303103232	OFERATING STSTEW LABORATOR I	US LAB	SHREYA DHOLARIYA	SD	shreya.dholariya20083@paruluniversity.ac.in	20083
303105210	COMPUTER ORGANIZATION AND COMPUTER ORGANIZATION AND	COMA	Mithilesh S. Yadav	MSY	mithilesh.yadav36158@paruluniversity.ac.in	36158
303105211	MICROPROCESSOR ARCHITECTURE	COMA LAB	Mithilesh S. Yadav	MSY	mithilesh.yadav36158@paruluniversity.ac.in	36158
	LAB		Mithilesh S. Yadav	MSY	mithilesh.yadav36158@paruluniversity.ac.in	36158
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505105255	COMPUTER NETWORK	CN	ER. ISHWARLAL RATHOD	IR	ishwarlal.rathod34715@paruluniversity.ac.in	34715
303105256		CN CN LAB	ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD	IR IR	ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in	34715 34715
303105256	COMPUTER NETWORK COMPUTER NETWORK LABORATORY	CN LAB	ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD	IR IR IR	ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in	34715 34715 34715
	COMPUTER NETWORK COMPUTER NETWORK LABORATORY PROGRAMMING IN PYTHON WITH PROGRAMMING IN PYTHON WITH	CN LAB PPFD	ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD NASRULLAH HUSAMI	IR IR IR NH	ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in husamisk@gmail.com	34715 34715 34715 34715 32898
303105256	COMPUTER NETWORK COMPUTER NETWORK LABORATORY PROGRAMMING IN PYTHON WITH PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT	CN LAB	ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD	IR IR IR	ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in	34715 34715 34715
303105256 303105257	COMPUTER NETWORK COMPUTER NETWORK LABORATORY PROGRAMMING IN PYTHON WITH PROGRAMMING IN PYTHON WITH	CN LAB PPFD	ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD NASRULLAH HUSAMI NASRULLAH HUSAMI	IR IR IR NH NH	ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in husamisk@gmail.com husamisk@gmail.com	34715 34715 34715 34715 32898 32898
303105256 303105257 303105258	COMPUTER NETWORK COMPUTER NETWORK LABORATORY PROGRAMMING IN PYTHON WITH PROCKAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY	CN LAB PPFD PPFD LAB	ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD NASRULLAH HUSAMI NASRULLAH HUSAMI NASRULLAH HUSAMI	IR IR IR IR IN NH NH NH	ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in husamisk@gmail.com husamisk@gmail.com husamisk@gmail.com Soumitra.	34715 34715 34715 34715 32898 32898 32898
303105256 303105257 303105258 303191251 303193252	COMPUTER NETWORK COMPUTER NETWORK LABORATORY PROGRAMMING IN PYTHON WITH PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND PROFESSIONAL GROOMING AND FERSONALITY DEVELOPMENT	CN LAB PPFD PPFD LAB PSNM	ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD NASRULLAH HUSAMI NASRULLAH HUSAMI NASRULLAH HUSAMI Dr. Soumitra Chowdhury	IR IR IR IR IN NH NH NH SC	ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in husamisk@gmail.com husamisk@gmail.com husamisk@gmail.com	34715 34715 34715 32898 32898 32898 36490
303105256 303105257 303105258 303191251	COMPUTER NETWORK COMPUTER NETWORK LABORATORY PROGRAMMING IN PYTHON WITH PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND	CN LAB PPFD PPFD LAB PSNM PGPD	ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD NASRULLAH HUSAMI NASRULLAH HUSAMI NASRULLAH HUSAMI Dr. Soumitra Chowdhury DR. ALIZEHRA RAZA	IR IR IR IR NH NH NH SC AZ	ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in husamisk@gmail.com husamisk@gmail.com husamisk@gmail.com Soumitra.	34715 34715 34715 34715 32898 32898 32898 36490
303105256 303105257 303105258 303191251 303193252	COMPUTER NETWORK COMPUTER NETWORK LABORATORY PROGRAMMING IN PYTHON WITH PROGRAMMING IN PYTHON WITH FILLL STACK DEVELOPMENT LABORATORY PROGRABILITY, STATISTICS AND PROFESSIONAL GROWING AND ESSONALITY DEVELOPMENT COMPETITIVE CODING	CN LAB PPFD PPFD LAB PSNM PGPD CC (B1)	ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD NASRULLAH HUSAMI NASRULLAH HUSAMI NASRULLAH HUSAMI OF. Soumitra Chowdhury DR. ALIZEBRA RAZA PPAVANI REDDY	IR IR IR IR IR NH NH NH NH SC AZ PPR	ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in husamisk@gmail.com husamisk@gmail.com husamisk@gmail.com Soumitra.	34715 34715 34715 34715 32898 32898 32898 36490 19436 29373
303105256 303105257 303105258 303191251 303193252	COMPUTER NETWORK COMPUTER NETWORK LABORATORY PROGRAMMING IN PYTHON WITH PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND PROFESSIONAL GROOMING AND FERSONALITY DEVELOPMENT	CN LAB PPFD PPFD LAB PSNM PGPD CC (B1)	ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD NASRULLAH HUSAMI NASRULLAH HUSAMI NASRULLAH HUSAMI OF. Soumitra Chowdhury DR. ALIZEBRA RAZA PPAVANI REDDY	IR IR IR IR IR NH NH NH NH SC AZ PPR	ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in husamisk@gmail.com husamisk@gmail.com husamisk@gmail.com Soumitra.	34715 34715 34715 34715 32898 32898 32898 36490 19436 29373
303105256 303105257 303105258 303191251 303193252 303105259	COMPUTER NETWORK COMPUTER NETWORK LABORATORY PROGRAMMING IN PYTHON WITH PROGRAMMING IN PYTHON WITH FILLL STACK DEVELOPMENT LABORATORY PROGRABILITY, STATISTICS AND PROFESSIONAL GROWING AND ESSONALITY DEVELOPMENT COMPETITIVE CODING	CN LAB PPFD PPFD LAB PSNM PGPD CC (B1)	ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD NASRULLAH HUSAMI NASRULLAH HUSAMI NASRULLAH HUSAMI OF. Soumitra Chowdhury DR. ALIZEBRA RAZA PPAVANI REDDY	IR IR IR IR IR NH NH NH NH SC AZ PPR	ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in husamisk@gmail.com husamisk@gmail.com Soumitra. discharate 1910@paruluniversity.ac.in pavanihannah03@gmail.com nakul.hy@gmail.com	34715 34715 34715 34715 32898 32898 32898 36490 19436 29373
303105256 303105257 303105258 303191251 303193252 303105259	COMPUTER NETWORK COMPUTER NETWORK LABORATORY PROGRAMMING IN PYTHON WITH PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT COMPETITIVE CODING CLASSROOM NO:	CN LAB PPFD PPFD LAB PSNM PGPD CC (B1)	ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD NASRULLAH HUSAMI NASRULLAH HUSAMI NASRULLAH HUSAMI OF. Soumitra Chowdhury DR. ALIZEBRA RAZA PPAVANI REDDY	IR IR IR IR IR NH NH NH NH SC AZ PPR	ishwarlal_rathod34715@paruluniversity.ac.in ishwarlal_rathod34715@paruluniversity.ac.in ishwarlal_rathod34715@paruluniversity.ac.in husamisk@gmail.com husamisk@gmail.com Soumitra. discharate 1945@pauluniversity.ac.in pavanihannah03@gmail.com nakul.hy@gmail.com	34715 34715 34715 32898 32898 32898 32898 36490 19436 29373
303105256 303105257 303105258 303191251 303193252 303105259	COMPUTER NETWORK COMPUTER NETWORK LABORATORY PROGRAMMING IN PYTHON WITH PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT COMPETITIVE CODING CLASSROOM NO:	CN LAB PPFD PPFD LAB PSNM PGPD CC (B1)	ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD NASRULLAH HUSAMI NASRULLAH HUSAMI NASRULLAH HUSAMI OF. Soumitra Chowdhury DR. ALIZEBRA RAZA PPAVANI REDDY	IR IR IR IR IR NH NH NH NH SC AZ PPR	ishwarlal_rathod34715@paruluniversity.ac.in ishwarlal_rathod34715@paruluniversity.ac.in ishwarlal_rathod34715@paruluniversity.ac.in husamisk@gmail.com husamisk@gmail.com Soumitra. discharate 1945@pauluniversity.ac.in pavanihannah03@gmail.com nakul.hy@gmail.com	34715 34715 34715 32898 32898 32898 32898 36490 19436 29373
303105256 303105257 303105258 303191251 303193252 303105259	COMPUTER NETWORK COMPUTER NETWORK LABORATORY PROGRAMMING IN PYTHON WITH PROGRAMMING IN PYTHON WITH PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT COMPETITIVE CODING CLASSROOM NO: AB/ TUTORIAL LOCATION:	CN LAB PPFD PPFD LAB PSNM PGPD CC (B1)	ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD NASRULLAH HUSAMI NASRULLAH HUSAMI NASRULLAH HUSAMI Dr. Soumitra Chowdhury Dr. ALIZEBRA RAZA PPAVANI REDDY NAKUL H Y	IR IR IR IR IR NH NH NH NH SC AZ PPR	ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in husamisk@gmail.com husamisk@gmail.com Soumitra. discharate 1900@padadescalp.ac.in pavanihannah03@gmail.com nakul.hy@gmail.com	34715 34715 34715 32898 32898 32898 32898 36490 19436 29373
303105256 303105257 303105258 303191251 303193252 303105259	COMPUTER NETWORK COMPUTER NETWORK LABORATORY PROGRAMMING IN PYTHON WITH PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY PROBABILITY. STATISTICS AND PROFESSIONAL GROOMING AND ERSONALITY DEVELOPMENT COMPETITIVE CODING CLASSROOM NO: AB/ TUTORIAL LOCATION:	CN LAB PPFD PPFD LAB PSNM PGPD CC (B1)	ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD NASRULLAH HUSAMI NASRULLAH HUSAMI NASRULLAH HUSAMI Dr. Soumitra Chowdhury Dr. ALIZEBRA RAZA PPAVANI REDDY NAKUL H Y	IR IR IR IR IR NH NH NH NH SC AZ PPR	ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in husamisk@gmail.com husamisk@gmail.com Soumitra. dieha.ras/1956@pandaeverity.ac.in pavanihannah03@gmail.com nakul.hy@gmail.com FACULTY REPRESENTATIVE / MFT SIGN & SEAL	34715 34715 34715 32898 32898 32898 32898 36490 19436 29373

			PARUL UNIVERSITY			de situlates
		FACULTY NAME:	FACULTY OF ENGINEERING & TECHNOLOGY			Parul [®]
		INSTITUTE NAME: PAR	UL INSTITUTE OF ENGINEERING & TECHNOL	OGY		University
ACADEMIC YEAR	R: 2024-25				YEAR: 2nd YEAR	NAAC GRADE (∆++
SEMESTER: 4 TH					LEVEL: UG	
PROGRAM NAME	: B.TECH COMPUTER SCIENCE ENGINE	ERING			DIVISION: 4CSE5	EFFECTIVE FROM: 25-11-2024
	,					
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
7:30 - 8:30	4CSE5:B1:CC:PPR:LAB-413	CODECHEF	4CSE5:B1:PPFD:SRK:LAB-806	4CSE5:PSNM:SC:D-420	4CSE5:B2:CC:NHY:LAB-411	4CSE5:PPFD:SRK:D-420
8:30 - 9:30	4CSE5:B2:OS:SD:LAB-804		4CSE5:B2:COMA:AVD:LAB-807	4CSE5:PSNM:SC:D-420	4CSE5:B1:CN:IR:LAB-412	4CSE5:COMA:AVD:D-420
9:30-9:45			RECESS TIME	E: 09:30-09:45		
09:45 - 10:45	4CSE5:PSNM:SC:D-302	CONFIGURE	4CSE5:B1:CC:PPR:LAB-411	4CSE5:COMA:AVD:A-316	4CSE5:B1:COMA:AVD:LAB-411	
10:45 - 11:45	4CSE5:PSNM:SC:D-302	CODECHEF	4CSE5:B2:PPFD:SRK:LAB-412	4CSE5:PPFD:SRK:A-226	4CSE5:B2:CC:NHY: LAB-412	LIBRARY
11:45 - 12:45			RECESS TIME	: 11:45 - 12:45		
11110 12110						
12:45 - 01:35	4CSE5:B1:OS:SD:LAB-411	CODECHEF	4CSE5:PGPD:KT:D-303	4CSE5:OS:SD:D-303	4CSE5:COMA:AVD:D-302	4CSE5:IR:CN:D-309
01:35 - 02:25	4CSE5:B2:CN:AK:LAB-412		4CSE5:OS:SD:D-303	4CSE5:PPFD:SRK:D-303	4CSE5:OS:SD:D-302	LIBRARY
SUBJECT_CODE	SUBJECT_NAME	SHORT_NAME	FACULTY FULL_NAME	FACULTY SHORT NAME	EMAIL ID	MIS ID
303105251	OPERATING SYSTEM	OS	SHREYA DHOLARIYA	SD	shreya.dholariya20083@paruluniversity.ac.in	20083
303105252	OPERATING SYSTEM LABORATORY	OS LAB	SHREYA DHOLARIYA	SD	shreya.dholariya20083@paruluniversity.ac.in	20083
			SHREYA DHOLARIYA	SD	shreya.dholariya20083@paruluniversity.ac.in	20083
303105210	COMPUTER ORGANIZATION AND	COMA	Archana V. Dubey	AVD	archana.dubey17511@paruluniversity.ac.in	17511
303105211	COMPUTER ORGANIZATION AND	COMA LAB	Archana V. Dubey	AVD	archana.dubey17511@paruluniversity.ac.in	17511
303105255	MICROPROCESSOR ARCHITECTURE LAB COMPUTER NETWORK	CN	Archana V. Dubey ER. ISHWARLAL RATHOD	AVD IR	archana.dubey17511@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in	17511 34715
303103233	CONFUIER NEI WORK	CN	ER. ISHWARLAL RATHOD ER. ISHWARLAL RATHOD	IR IR	ishwarlal.rathod34715@paruluniversity.ac.in ishwarlal.rathod34715@paruluniversity.ac.in	34715 34715
303105256	COMPUTER NETWORK LABORATORY	CN LAB	ER. ISHWARLAL RATHOD AMIT KUMAR	IR AK	ishwarlal.rathod.34/15@paruluniversity.ac.in amitkumar.rajpoot.33412@paruluniversity.ac.in	34/15 33412
303105257	PROGRAMMING IN PYTHON WITH FULL	PPFD	SABARISH RAMESH KUMAR	AK SRK	amitkumar.rajpoot33412@paruiuniversity.ac.in sabarishrkb@gmail.com	33412 29867
303103237		LLID	SABARISH RAMESH KUMAR	SRK	sabarishrkb@gmail.com	29867
303105258	PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY	PPFD LAB	SABARISH RAMESH KUMAR SABARISH RAMESH KUMAR	SRK SRK	sabarishrkb@gmail.com sabarishrkb@gmail.com	29867
303105258	PROBABLITY STATISTS AND	PSNM	SADAKISH KAMESH KUMAK	JAK	Sabatistiko e gitati.com	27001
303191251	PROFESSIONAL GROOMING AND	PSNM PGPD				
	PERSONALITY DEVELOPMENT	CC (B1)	KARMESH THAKKAR P PAVANI REDDY	KT PPR	karmesh.thakkar27107@paruluniversity.ac.in pavanihannah03@gmail.com	27107 29373
303105259	COMPETITIVE CODING	CC (B2)	NAKUL H Y	NHY	nakul.hy@gmail.com	32913
	CLASSROOM NO:					
	LAB/ TUTORIAL LOCATION:				FACULTY REPRESENTATIVE / MFT	Aakanksha S. Taliwal
	SIGN		SIGN & SEAL		SIGN & SEAL	
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DR.AMIT BARVE

Head of Department

Dr. Vipul Vekariya

Principal / Dean

PROFSHREYA DHOLARIYA

Time Table Coordinator

		FACULTY NAME: FACU	RUL UNIVERSITY JETY OF ENGINEERING & TECHNOLOGY			Parul®
		INSTITUTE NAME: PARUL IN	NSTITUTE OF ENGINEERING & TECHNOLO	OGY		University
ACADEMIC YEAR:	2024-25				YEAR: 2nd YEAR	NAAC GRADE (∆++
SEMESTER: 4 th	B.TECH COMPUTER SCIENCE ENGINEERING				LEVEL: UG DIVISION: 4CSE6	EFFECTIVE FROM: 25-11-2024
ROGRAM NAME.	B.TECH COMPUTER SCIENCE ENGINEERING	•			DIVISION, 4CSE0	EFFECTIVE FROM: 25-11-2024
				1	1	Ī
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
7:30 - 8:30	4CSE6:1:PPFD:SRK:L-805	4CSE6:2:COMA:AVD:L-805	CODECHEF	4CSE6:1:COMA:AVD:L-413	4CSE6:PSNM:ASB:D-420	4CSE6:PSNM:ASB:D-419
8:30 - 9:30	4CSE6:2:CN:SU:L-806	4CSE6:1:CN:KD:L-806		4CSE6:2:CC:NHY:L-804	4CSE6:PSNM:ASB:D-420	4CSE6:PSNM:ASB:D-419
9:30-9:45			RECESS TIME:	09:30-09:45		
09:45 - 10:45	4CSE6:1:OS:YS:L-413	4CSE6:PPFD:SRK:D-302	CODECHEF	4CSE6:2:OS:YS:L-411	LIBRARY	4CSE6:COMA:AVD:D-303
10:45 - 11:45	4CSE6:2:CC:NHY:L-409	4CSE6:PPFD:SRK:D-302		4CSE6:1:CC:NHY:L-412		LIBRARY
11:45 - 12:45			RECESS TIME: 1	1:45 - 12:45		
	4CSE6:PPFD:SRK:D-303	4CSE6:COMA:AVD:D-303		4CSE6:OS:YS:D-303	ACCEC A DDED CDIVIL 411	4CSE6:COMA:AVD::D-303
12:45 - 01:35 01:35 - 02:25	4CSE6:PGPD:RP:D-303	4CSE6:SU:CN:D-303	CODECHEF	4CSE6:OS:YS:D-303	4CSE6:2:PPFD:SRK:L-411 4CSE6:1:CC:NHY:L-412	4CSE6:OS:YS:D-303
01.55 - 02.25						
SUBJECT CODE	SUBJECT NAME	SHORT NAME	FACULTY FULL_NAME	FACULTY SHORT NAME	EMAIL ID	MIS ID
303105251	OPERATING SYSTEM	OS	Prof. YATIN SHUKLA	YS	yatinkumar.shukla18611@paruluniversity.ac.in	18611
			Prof. YATIN SHUKLA	YS	yatinkumar.shukla18611@paruluniversity.ac.in	18611
303105252	OPERATING SYSTEM LABORATORY	OS LAB	Prof. YATIN SHUKLA	YS	yatinkumar.shukla18611@paruluniversity.ac.in	18611
303105210	COMPUTER ORGANIZATION AND	COMA	Archana V. Dubey	AVD	archana.dubey17511@paruluniversity.ac.in	17511
303105211	COMPUTER ORGANIZATION AND	COMA LAB	Archana V. Dubey	AVD	archana.dubey17511@paruluniversity.ac.in	17511
303105211	MICROPROCESSOR ARCHITECTURE LAB		Archana V. Dubey	AVD	archana.dubey17511@paruluniversity.ac.in	17511
303105255	COMPUTER NETWORK	CN	SHUBHAM UPADHYAY	SU	shubham.upadhyay33477@paruluniversity.ac.in	33477
303105256	COMPUTER NETWORK LABORATORY	CN LAB		SU		
			KRUPALI DAVE	KD	krupali.dave23721@paruluniversity.ac.in	23721
303105257	PROGRAMMING IN PYTHON WITH FULL	PPFD	SABARISH RAMESH KUMAR	SRK	sabarishrkb@gmail.com	29867
	PROGRAMMING IN PYTHON WITH FULL	PPFD LAB	SABARISH RAMESH KUMAR	SRK	sabarishrkb@gmail.com	29867
303105258	STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND NUMERICAL		SABARISH RAMESH KUMAR	SRK	sabarishrkb@gmail.com	29867
303191251		PSNM	Bhagaliya Abrarahmed Shoeb	ASB	abrarahmed.bhagaliya31174@paruluniversity.ac.in	31174
303193252	PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT	PGPD	RIDHHI PANDYA	RP	riddhi.pandya20062@paruluniversity.ac.in	20062
303105259	COMPETITIVE CODING	CC	NAKUL H Y	NHY	nakul.hy@gmail.com	32913
	CLASSROOM NO:					
					1	
	LAB/ TUTORIAL LOCATION:				FACULTY REPRESENTATIVE / MFT	Dr. Vineet Kumar
	SIGN		SIGN & SEAL		SIGN & SEAL	
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	PROF.SHREYA DHOLARIYA		DR.AMIT BARVE		Dr. Vipul Vekariya	
	Time Table Coordinator		Head of Department		Principal / Dean	

		PAI	RUL UNIVERSITY			to silvinus
			TY OF ENGINEERING & TECHNOLOG	Y		Parul®
		INSTITUTE NAME: PARUL INS	TITUTE OF ENGINEERING & TECHNO	DLOGY	_	University NAAC GRADE O++
ACADEMIC YEAR: SEMESTER: 4 ^{1H}	2024-25				YEAR: 2nd YEAR LEVEL: UG	HAAC GRADE OF
	B.TECH COMPUTER SCIENCE ENGINEER	RING			DIVISION: 4CSE7	EFFECTIVE FROM: 25-11-2024
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
7:30 - 8:30	4CSE7:1:OS:MP:L-802	4CSE7:1:COMA:MVS:L-802	4CSE7:PSNM:ASB:D-420	CODECHEF	4CSE7:2:COMA:MVS:L-413	4CSE7:OS:MP:D-403
8:30 - 9:30	4CSE7:2:CC:NHY:L-803	4CSE7:2:CC:NHY:L-803	4CSE7:PSNM:ASB:D-420		4CSE7:1:CN:AKS:L-804	4CSE7:COMA:MVS:D-403
9:30-9:45			RECESS TIM	E: 09:30-09:45	<u> </u>	
09:45 - 10:45	4CSE7:PSNM:ASB:D-309	4CSE7:OS:MP:A-221	A ADD 4 DAY	goppgwy	4CSE7:PPFD:SRK:A-221	4CSE7:2:PPFD:SRK:L-412
10:45 - 11:45	4CSE7:PPFD:SRK:D-309	4CSE7:AKS:CN:A-221	LIBRARY	CODECHEF	LIBRARY	4CSE7:1:CC:NHY:L-411
11:45 - 12:45			RECESS TIME	E: 11:45 - 12:45		
12:45 - 01:35	4CSE7:2:OS:MP:L-413	4CSE7:PSNM:ASB:A-221	4CSE7:PPFD:SRK:D-201	CODECHEF	4CSE7:OS:MP:A-221	4CSE7:1:PPFD:SRK:L-412
01:35 - 02:25	4CSE7:1:CC:NHY:L-409	4CSE7:COMA:MVS:A-221	4CSE7:COMA:MVS:D-201	CODECHEF	4PGPD:AN:A-221	4CSE7:2:CN:AKS:L-411
SUBJECT_CODE	SUBJECT_NAME	SHORT_NAME	FACULTY FULL_NAME	FACULTY SHORT NAME	EMAIL ID	MIS ID
303105251	OPERATING SYSTEM	OS	MEENAKSHI PRAJAPATI	MP	meenakshi.prajapati33418@panuluniversity.ac.in	33418
303105252	OPERATING SYSTEM LABORATORY	OS LAB	MEENAKSHI PRAJAPATI	MP	meenakshi.prajapati33418@paruluniversity.ac.in	33418
303105210	COMPUTER ORGANIZATION AND	COMA	Prof. YATIN SHUKLA	YS MVS	yatinkumar.shukla18611@paruluniversity.ac.in	18611 21591
	COMPUTER ORGANIZATION AND	COMA LAB	Miksha V. Solanki Miksha V. Solanki	MVS	miksha.solanki21591@paruluniversity.ac.in miksha.solanki21591@paruluniversity.ac.in	21591
303105211	MICROPROCESSOR ARCHITECTURE LAB	COMPLEME	Miksha V. Solanki	MVS	miksha.solanki21591@paruluniversity.ac.in	21591
303105255	COMPUTER NETWORK	CN	MR.ANAND KUMAR SINGH	AKS	anand.singh33863@paruluniversity.ac.in	33863
303105256	COMPUTER NETWORK LABORATORY	CN LAB	MR.ANAND KUMAR SINGH	AKS	anand.singh33863@paruluniversity.ac.in	33863
303103230		0.12.0	MR.ANAND KUMAR SINGH	AKS	anand.singh33863@paruluniversity.ac.in	33863
303105257	PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT	PPFD	SABARISH RAMESH KUMAR	SRK	sabarishrkb@gmail.com	29867
303105258	PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY	PPFD LAB	SABARISH RAMESH KUMAR SABARISH RAMESH KUMAR	SRK SRK	sabarishrkb@gmail.com sabarishrkb@gmail.com	29867 29867
303105258	PROBABILITY, STATISTICS AND	PSNM	Bhagaliya Abrarahmed Shoeb	ASB	abrarahmed.bhagaliya31174@paruluniversity.ac.	31174
303193252	PROFESSIONAL GROOMING AND	PGPD	AMRITHA NAIR	AN	amritha.nair21543@paruluniversity.ac.in	21543 32913
303105259	COMPETITIVE CODING	CC	NAKUL H Y	NHY	nakul.hy@gmail.com	32913
	CLASSROOM NO:					
	LAB/ TUTORIAL LOCATION:				FACULTY REPRESENTATIVE / MFT	Mr. Nikhil Menon
	SIGN		SIGN & SEAL		SIGN & SEAL	
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	PROF.SHREYA DHOLARIYA		DR.AMIT BARVE		Dr. Vipul Vekariya	
	Time Table Coordinator		Head of Department		Principal / Dean	

			PARUL UNIVERSITY			an algebra
			CULTY OF ENGINEERING & TECHNOLOGY			Parul® University
ACADEMIC YEAR	3 · 2024-25	INSTITUTE NAME: PARUL	INSTITUTE OF ENGINEERING & TECHNO	LOGY	YEAR: 2nd YEAR	— NAAC GRADE ∆++
SEMESTER: 4TH					LEVEL: UG	-
PROGRAM NAME:	E: B.TECH COMPUTER SCIENCE ENGIN	EERING			DIVISION: 4CSE8	EFFECTIVE FROM: 25-11-2024
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
7:30 - 8:30	4CSE8:1:COMA:MVS:L-401	LIBRARY	4CSE9:OS:MP:D-419	4CSE7:PSNM:ASB:D-118	- CODECHEF	4CSE8:2:PPFD:AD:L-413
8:30 - 9:30	4CSE8:2:CC:SM:L-402	4CSE7:PSNM:ASB:D-425	4CSE9:OS:MP:D-419	4CSE8:OS:MP:D-118		4CSE8:1:CC:SM:L-804
9:30-9:45			RECESS TIME:	09:30-09:45		
09:45 - 10:45	4CSE8:1:OS:SD:L-410	4CSE9:CN:AKS:D-309	4CSE8:2:OS:HP:L-805	4CSE8:1:PPFD:AD:L-413	CODECHEE	LIBRARY
10:45 - 11:45	4CSE8:2:CC:SM:L-804	4CSE8:COMA:MVS:D-309	4CSE8:1:CC:SM:L-806	4CSE8:2:CN:AKS:L-804	CODECHEF	4CSE8:COMA:MVS:A-222
11:45 - 12:45			RECESS TIME:	11:45 - 12:45		
12:45 - 01:35	4CSE8:PGPD:AR:D-201	4CSE8:PPFD:AD:D-201	4CSE8:COMA:MVS:A-316	4CSE8:2:COMA:MVS:L-411		4CS8:PSNM:ASB:D-201
01:35 - 02:25	4CSE8:PPFD:AD:D-201	4CSE8:PPFD:AD:D-201	4CS8:PSNM:ASB:A-316	4CSE8:1:CN:AK:L-412	CODECHEF	LIBRARY
SUBJECT CODE	SUBJECT NAME	SHORT_NAME	FACULTY FULL NAME	FACULTY SHORT NAME	EMAIL ID	MIS ID
303105251	OPERATING SYSTEM	OS	MEENAKSHI PRAJAPATI	MP	meenakshi.prajapati33418@paruluniversity.	33418
303105252	OPERATING SYSTEM LABORATORY	OS LAB	SHREYA DHOLARIYA	SD	shreya.dholariya20083@paruluniversity.ac.	20083
	COMPUTER ORGANIZATION AND		HARSH PATELIYA	HP	harsh.pateliya36741@paruluniversity.ac.in	36741
303105210	COMPUTER ORGANIZATION AND	COMA COMA LAB	Miksha V. Solanki Miksha V. Solanki	MVS MVS	miksha.solanki21591@paruluniversity.ac.in miksha.solanki21591@paruluniversity.ac.in	21591 21591
303105211	MICROPROCESSOR ARCHITECTURE	COMA LAB	Miksha V. Solanki	MVS	miksha.solanki21591@paruluniversity.ac.in	21591
303105255	LAB COMPUTER NETWORK	CN	MR.ANAND KUMAR SINGH	AKS	anand.singh33863@paruluniversity.ac.in	33863
			MR.ANAND KUMAR SINGH	AKS	anand.singh33863@paruluniversity.ac.in	33863
303105256	COMPUTER NETWORK LABORATORY	CN LAB	MR.ANAND KUMAR SINGH	AKS	anand.singh33863@paruluniversity.ac.in	33863
303105257	DD C CD A MARKET NA DATE HOADING					
303103437	PROLOSTAMENTO DE PEROPEMENTAMENTAMENTAMENTAMENTAMENTAMENTAMENT	PPFD	AYUSHMAN DUBEY	AD	ayushmandubey555@gmail.com	29766
303103237	PROGRAMMING IN PYTHON WITH		AYUSHMAN DUBEY AYUSHMAN DUBEY	AD AD	ayushmandubey555@gmail.com ayushmandubey555@gmail.com	29766 29766
303103237		PPFD LAB			, , ,	
	PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT		AYUSHMAN DUBEY	AD	ayushmandubey555@gmail.com	29766
303105258 303191251 303193252	PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND PROFESSIONAL GROOMING AND	PPFD LAB PSNM PGPD	AYUSHMAN DUBEY AYUSHMAN DUBEY Bhagaliya Abrarahmed Shoeb ARVIND ROHIT	AD AD ASB AR	ayushmandubey555@gmail.com ayushmandubey555@gmail.com abrarahmed. ayundbhai.rohi20036@panduniversity.ac.in	29766 29766 31174 20036
303105258 303191251	PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND	PPFD LAB PSNM	AYUSHMAN DUBEY AYUSHMAN DUBEY Bhagaliya Abrarahmed Shoeb	AD AD ASB	ayushmandubey555@gmail.com ayushmandubey555@gmail.com abrarahmed.	29766 29766 31174
303105258 303191251 303193252	PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND PROFESSIONAL GROOMING AND	PPFD LAB PSNM PGPD	AYUSHMAN DUBEY AYUSHMAN DUBEY Bhagaliya Abrarahmed Shoeb ARVIND ROHIT	AD AD ASB AR	ayushmandubey555@gmail.com ayushmandubey555@gmail.com abrarahmed. ayundbhai.rohi20036@panduniversity.ac.in	29766 29766 31174 20036
303105258 303191251 303193252 303105259	PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND PROFESSIONAL GROOMING AND COMPETITIVE CODING	PPFD LAB PSNM PGPD	AYUSHMAN DUBEY AYUSHMAN DUBEY Bhagaliya Abrarahmed Shoeb ARVIND ROHIT	AD AD ASB AR	ayushmandubey555@gmail.com ayushmandubey555@gmail.com abrarahmed. ayundbhai.rohi20036@panduniversity.ac.in	29766 29766 31174 20036
303105258 303191251 303193252 303105259	PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND PROFESSIONAL GROOMING AND COMPETITIVE CODING CLASSROOM NO:	PPFD LAB PSNM PGPD	AYUSHMAN DUBEY AYUSHMAN DUBEY Bhagaliya Abrarahmed Shoeb ARVIND ROHIT	AD AD ASB AR	ayushmandubey555@gmail.com ayushmandubey555@gmail.com abrarahmed. aviadbai.rohi7005@gmail.com surajmourya1805@gmail.com FACULTY REPRESENTATIVE /	29766 29766 31174 20036 29749
303105258 303191251 303193252 303105259	PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND PROFESSIONAL GROOMING AND COMPETITIVE CODING CLASSROOM NO: LAB/ TUTORIAL LOCATION: SIGN	PPFD LAB PSNM PGPD	AYUSHMAN DUBEY AYUSHMAN DUBEY Bhagaliya Abrarahmed Shoeb ARVIND ROHIT	AD AD ASB AR	ayushmandubey555@gmail.com ayushmandubey555@gmail.com abrarahmed. aviadbai.rohi7005@gmail.com surajmourya1805@gmail.com FACULTY REPRESENTATIVE /	29766 29766 31174 20036 29749
303105258 303191251 303193252 303105259	PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND PROFESSIONAL GROOMING AND COMPETHIVE CODING CLASSROOM NO: LAB/ TUTORIAL LOCATION:	PPFD LAB PSNM PGPD	AYUSHMAN DUBEY AYUSHMAN DUBEY Bhagaliya Ahrarahmed Shoeb ARVIND ROHIT SURAJ MOURYA	AD AD ASB AR	ayushmandubey555@gmail.com ayushmandubey555@gmail.com abrarahmed. aviadbai.roli/20036@panluniversiv.ac.in surajmourya1805@gmail.com FACULTY REPRESENTATIVE / MFT	29766 29766 31174 20036 29749
303105258 303191251 303193252 303105259	PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY PROBABILITY, STATISTICS AND PROFESSIONAL GROOMING AND COMPETITIVE CODING CLASSROOM NO: LAB/ TUTORIAL LOCATION: SIGN	PPFD LAB PSNM PGPD	AYUSHMAN DUBEY AYUSHMAN DUBEY Bhagaliya Ahrarahmed Shoeb ARVIND ROHIT SURAJ MOURYA	AD AD ASB AR	ayushmandubey555@gmail.com ayushmandubey555@gmail.com abrarahmed. aviadbai.rohi7005@gmail.com surajmourya1805@gmail.com FACULTY REPRESENTATIVE / MFT SIGN & SEAL	29766 29766 31174 20036 29749

	I	FACULTY NAME:	PARUL UNIVERSITY FACULTY OF ENGINEERING & TECHNO	LOGY	L	Parul [®]
			RUL INSTITUTE OF ENGINEERING & TECH			University
ADEMIC YEAR					YEAR: 2nd YEAR	── NAAC GRADE (\(\frac{0}{++}\) —
MESTER: 4TH					LEVEL: UG	
OGRAM NAME:	: B.TECH COMPUTER SCIENCE ENGIN	EERING			DIVISION: 4CSE9	EFFECTIVE FROM: 25-11-202
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	4CSE9:PPFD:MG:D-419			LIBRARY		
7:30 - 8:30		4CSE9:2:COMA:PBP:L-401	4CSE9:1:COMA:PBP:L-401		4CSE9:2:PPFD:MG:L-401	CODECHEF
	10070 PPPP 110 P 110	4CSE9:1:CN:AKS:L-402	4CSE9:2:CC:SM:L-402		4CSE9:1:CC:SM:L-402	CODECHE
8:30 - 9:30	4CSE9:PPFD:MG:D-419			4CSE9:CN:AKS:D-419		
8.50 - 7.50						1
9:30-9:45		T	RECESS TIM	E: 09:30-09:45		T
	4CSE9:OS:AFS:D-303	4CSE9:COMA:PBP:A-215	4CSE9:PSNM:MAM:D-309			
09:45 - 10:45	4CSE2.OS.AFS.D-303	4CSES.COMA.I BI .A-213	4C3E3.1 SI (W.:WAW.D-30)	4CSE9:2:OS:AFS:L-805	4CSE9:1:CC:SM:L-413	
				4CSE9:1:PPFD:MG:L-806	4CSE9:2:CN:AKS:L-804	CODECHEF
	4CSE9:PGPD:SB:D-303	LIBRARY	4CSE9:COMA:PBP:D-309	4C5E).1.111D.MG.E 000	4C5E7.2.CIV./IKS.E 004	
10:45 - 11:45						
11:45 - 12:45			RECESS TIME	E: 11:45 - 12:45		
				100F0 00 1F0 F 201	40000 POND 5 3 5 4 3 5 D 200	
12.45 01.25	4CSE9:PSNM:MAM:D-216	4CSE9:1:OS:MP:L-409	4CSE9:OS:AFS:D-216	4CSE9:OS:AFS:D-201	4CSE9:PSNM:MAM:D-309	
12:45 - 01:35					_	CODECHEF
	LIBRARY	4CSE9:2:CC:SM:L-410	4CSE9:PSNM:MAM:D-216	4CSE9:COMA:PBP:D-201	4CSE9:PPFD:MG:D-309	
01:35 - 02:25	DIDIC IK I		100201101111111111111111111111111111111			
UBJECT CODE	SUBJECT NAME	SHORT NAME	FACULTY FULL NAME	FACULTY SHORT NAME	EMAIL ID	MIS ID
303105251	OPERATING SYSTEM	OS	AMIN F SHAIKH	AFS	amin.shaikh19068@paruluniversity.ac.in	19068
			MEENAKSHI PRAJAPATI	MP	meenakshi.prajapati33418@paruluniversity.ac.in	33418
303105252	OPERATING SYSTEM LABORATORY	OS LAB	AMIN F SHAIKH	AFS		19068
					amin.shaikh19068@paruluniversity.ac.in	
303105210	COMPUTER ORGANIZATION AND	COMA	Payal B. Patel	PBP	payal.patel25964@paruluniversity.ac.in	25964
303105211	COMPUTER ORGANIZATION AND MICROPROCESSOR ARCHITECTURE	COMA LAB	Payal B. Patel	PBP	payal.patel25964@paruluniversity.ac.in	25964
303105255	LAB COMPUTER NETWORK	CN:	Payal B. Patel	PBP AKS	payal.patel25964@paruluniversity.ac.in	25964 33863
303103233	COMPUTER NETWORK	CN	MR.ANAND KUMAR SINGH MR.ANAND KUMAR SINGH	AKS	anand.singh33863@paruluniversity.ac.in	33863
303105256	COMPUTER NETWORK LABORATORY	CN LAB	MR.ANAND KUMAR SINGH MR.ANAND KUMAR SINGH	AKS	anand.singh33863@paruluniversity.ac.in anand.singh33863@paruluniversity.ac.in	33863
303105257	PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT	PPFD	MOUNESH GOUDA	MG	mouneshpatil001@gmail.com	31472
	PROGRAMMING IN PYTHON WITH		MOUNESH GOUDA	MG	mouneshpatil001@gmail.com	31472
	FULL STACK DEVELOPMENT	PPFD LAB				
303105258	LABORATORY		MOUNESH GOUDA	MG	mouneshpatil001@gmail.com	31472
303191251	PROBABILITY, STATISTICS AND NUMERICAL METHODS	PSNM				
303193252	PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT	PGPD	SANTOSH BHAGAT SE		santosh bhagat24268@paruluniversity.ac.in.	24268
303105259	COMPETITIVE CODING	cc	SURAJ MOURYA	SM	surajmourya1805@gmail.com	29749
	CLASSROOM NO:					
	CLASSROOM NO:					
T.	AB/TUTORIAL LOCATION:				FACULTY REPRESENTATIVE / MFT	Karan Chauhan
					Managarini (E / MF1	Channan
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	Druge.		3/		Parel lest, of Crept. & Rech.	
	By -		DR.AMIT BARVE			
	PROF.SHREYA DHOLARIYA Time Table Coordinator		DR.AMIT BARVE Head of Department		Dr. Vipul Vekariya Principal / Dean	

s			PARUL UNIVERSITY			a trajem	
			AME: FACULTY OF ENGINEERING & T			Parul® University	
ACADEMIC YEAR:	2024-25	INSTITUTE NAME	: PARUL INSTITUTE OF ENGINEERING	G & TECHNOLOGY	YEAR: 2nd YEAR		
SEMESTER: 4TH	2027-20				LEVEL: UG		
	B.TECH COMPUTER SCIENCE ENGINEER	RING			DIVISION: 4CSE11	EFFECTIVE FROM: 25-11-2024	
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
			4CSE11:OS:HP:D-402				
7:30 - 8:30	4CSE11:1:PPFD:AJ:L-403	CODECHEF	CODECHEF		4CSE11:1:COMA:MVS:L-401	4CSE11:2:OS:HP:L-403	4CSE11:2:CC:MP:L-401
	4CSE11:2:CN:ASK:L-406			CODECIEN	4000044 CDV 4300 D 400	4CSE11:2:PPFD:AJ:L-402	4CSE11:1:CC:APS:L-404
8:30 - 9:30			4CSE11:CN:AKS:D-402				
0.50 7.50	 		<u> </u>	<u> </u>	l.		
9:30-9:45			RECE	SS TIME: 09:30-09:45			
09:45 - 10:45	4CSE11:2:COMA:PMS:L-805	1.2.COMA.PMS-I 905		4CSE11:PSNM:PKP:D-309	4CSE11:PSNM:PKP:D-309	4CSE11:PPFD:AJ:D-216	
09:45 - 10:45		CODECHEF	LIBRARY				
	4CSE11:1:CC:APS:L-806			4CSE11:COMA:PBP:D-309	4CSE11:OS:HP:D-309	4CSE11:PSNM:PKP:D-216	
10:45 - 11:45							
			PECE	CC (TOTAL OF 14 45 14 45			
11:45 - 12:45			RECE	SS TIME: 11:45 - 12:45			
	4CCE11.COMA.DDD.D.119			4CSE11:PPFD:AJ:D-216	4CCE11.DDED. 4 LD 201	4CCE11.OC.HD.D 119	
12:45 - 01:35	4CSE11:COMA:PBP:D-118		4CSE11:1:OS:HP:L-409	4CSEIT:PPFD:AJ:D-216	4CSE11:PPFD:AJ:D-201	4CSE11:OS:HP:D-118	
		CODECHEF	4CSE11:2:CC:MP:L-410				
	4CSE11:PSNM:PKP:D-118		4C5E11.2.CC.WII.E-410	LIBRARY	4CSE11:PGPD:GK:D-201	4CSE11:COMA:PBP:D-118	
01:35 - 02:25	1						
					EMAIL ID		
SUBJECT_CODE 303105251	SUBJECT_NAME OPERATING SYSTEM	SHORT_NAME OS	FACULTY FULL_NAME HARSH PATELIYA	FACULTY SHORT NAME HP	EMAIL ID harsh.pateliya36741@paruluniversity.ac.in	MIS ID 36741	
			HARSH PATELIYA	HP	harsh.pateliya36741@paruluniversity.ac.in	36741	
303105252	OPERATING SYSTEM LABORATORY	OS LAB	HARSH PATELIYA	HP	harsh.pateliya36741@paruluniversity.ac.in	36741	
303105210	COMPUTER ORGANIZATION AND	COMA	Payal B. Patel	PBP	payal.patel25964@paruluniversity.ac.in	25964	
	COMPUTER ORGANIZATION AND	COMA LAB	Miksha V. Solanki	MVS	miksha.solanki21591@paruluniversity.ac.in	21591	
303105211	MICROPROCESSOR ARCHITECTURE LAB		Priyanka M. Shah	PMS	priyanka.shah8278@paruluniversity.ac.in	33600	
303105255	COMPUTER NETWORK	CN	ALOK SINGH KUSHWAHA	ASK	aok.kushwaha35214@paruluniversity.ac.in	35214	
303105256	COMPUTER NETWORK LABORATORY	CN LAB	ALOK SINGH KUSHWAHA	ASK	aok.kushwaha35214@paruluniversity.ac.in	35214	
303105257	PROGRAMMING IN PYTHON WITH FULL	PPFD	ALOK SINGH KUSHWAHA MR. ANAND JAWDEKAR	ASK AJ	aok.kushwaha35214@paruluniversity.ac.in	35214 35064	
303105257		PPFD	MR. ANAND JAWDEKAR MR. ANAND JAWDEKAR	AJ AJ	anand.jawdekar35064@paruluniversity.ac.in anand.jawdekar35064@paruluniversity.ac.in	35064 35064	
	PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY	PPFD LAB	MR. ANAND JAWDEKAR	AJ	anand.jawdekar35064@paruluniversity.ac.in	35064	
303105258 303191251	PROBABILITY, STATISTICS AND	PSNM	POLA K PARTH	PKP	parth.pola21273@paruluniversity.ac.in	21273	
303193252	PROFESSIONAL GROOMING AND	PGPD					
303173232		1 OFD	GAURAV CHAUDHRI	GK	GAURAV.CHAUDHARI31183@PARULUNIVERSITY.AC.IN	31183	
			MEENAKSHI PRAJAPATI	MP	meenakshi.prajapati33418@paruluniversity.ac.in	33418	
	COMPETITIVE CODING	CC					
303105259			ARUNESH PRATAP SINGH	APS	arunesh.singh32826@paruluniversity.ac.in	32826	
	CLASSROOM NO:				-		
					EACH IN DEDDECEDE A	W A MC 4	
L	AB/ TUTORIAL LOCATION:				FACULTY REPRESENTATIVE / MFT	Kunta M Suthar	
	SIGN		SIGN & SEAL		SIGN & SEAL		
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	2 North		3//		Francisco II. Francisco II. Francisco II. Francisco II. Francisco II. Francisco II.		
						_	
	PROF.SHREYA DHOLARIYA		DR.AMIT BARVE		Dr. Vipul Vekariya		
	Time Table Coordinator		Head of Department		Principal / Dean	+	
				•	•	·	

ACADEMIC YEAR: 2 SEMESTER: 4TH PROGRAM NAME: B	2024.25		TY OF ENGINEERING & TECHNOLOGY			
SEMESTER: 4TH	2024 25		TITUTE OF ENGINEERING & TECHNOLOG	757		Parul® University
SEMESTER: 4TH		INSTITUTE NAME: PARUL INS	ITTUTE OF ENGINEERING & TECHNOLOG	71	YEAR: 2nd YEAR	— NAAC GRADE O↔
PROGRAM NAME: B	242.2				LEVEL: UG	1
<u>.</u>	B.TECH COMPUTER SCIENCE ENGINEER	ING			DIVISION: 4CSE12	EFFECTIVE FROM: 25-11-2024
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
7:30 - 8:30	4CSE12;CN:AKS:D-403	4CSE12:1:PPFD:AJ:L-405	CODECHEF	4CSE12:OS:HP:D-402	4CSE12:PPFD:AJ:D-402	4CSE12:2:COMA:MSY:L-405
8:30 - 9:30	4CSE12:COMA:YDM:D-403	4CSE12:2:CN:ASK:L-406		4CSE12:COMA:YDM:D-402	4CSE12:PPFD:AJ:D-402	4CSE12:1:OS:HP:L-406
9:30-9:45			RECESS TIME: 0	9:30-09:45		
09:45 - 10:45	4CSE12:OS:HP:D-201	4CSE12:PSNM:PKP:D-201	CONFIGURE	4CSE12:2:PPFD:AJ:L-807	4CSE12:OS:HP:D-303	4CSE12:2:OS:YS:L-413
10:45 - 11:45	4CSE12:PPFD:AJ:D-201	4CSE12:PSNM:PKP:D-201	CODECHEF	4CSE12:1:CC:JRS:L-813	4CSE12:PSNM:PKP:D-303	4CSE12:1:CC:JRS:L-804
11:45 - 12:45			RECESS TIME: 1	1.45 - 12.45		•
11:43 - 12:43			RECESS TRUE!	12.10		T
12:45 - 01:35	LIBRARY	4CSE12:1:CN:ASK:L-413	CODECHEF	LIBRARY	4CSE12:1:COMA:PMS:L- 413	4CSE12:PGPD:MC:A-221
01:35 - 02:25		4CSE12:2:CC:JRS:L-804		4CSE12:COMA:YDM:D-216	4CSE12:2:CC:JRS:L-804	4CSE12:PSNM:PKP:A-221
SUBJECT_CODE	SUBJECT_NAME	SHORT_NAME	FACULTY FULL_NAME	FACULTY SHORT NAME	EMAIL ID	MIS ID
303105251	OPERATING SYSTEM	OS	HARSH PATELIYA	HP	harsh.pateliya36741@paruluniversity.ac.in	36741
			HARSHPATELIYA	HP	harsh.pateliya36741@paruluniversity.ac.in	36741
303105252	OPERATING SYSTEM LABORATORY	OS LAB	Prof. YATIN SHUKLA	YS	yatinkumar.shukla18611@paruluniversity.	18611
303105210	COMPUTER ORGANIZATION AND	COMA	Yagnik D. Moga	YDM	yagnik.moga31793@paruluniversity.ac.in	3179
,	COMPUTER ORGANIZATION AND	COMA LAB	Priyanka M. Shah	PMS	priyanka.shah8278@paruluniversity.ac.in	33600
303105211	MICROPROCESSOR ARCHITECTURE LAB		Mithilesh S. Yadav	MSY	mithilesh.yadav36158@paruluniversity.ac.	36158
303105255	COMPUTER NETWORK	CN	ALOK SINGH KUSHWAHA	ASK	aok.kushwaha35214@paruluniversity.ac.in	35214
20210525	COMPLETED NETWORK I A DODATORY	CNILAD	ALOK SINGH KUSHWAHA	ASK	aok.kushwaha35214@paruluniversity.ac.in	35214
303105256	COMPUTER NETWORK LABORATORY	CN LAB	ALOK SINGH KUSHWAHA	ASK	aok.kushwaha35214@paruluniversity.ac.in	35214
303105257	PROGRAMMING IN PYTHON WITH FULL	PPFD	MR. ANAND JAWDEKAR	AJ	anand.jawdekar35064@paruluniversity.ac.	35064
,	PROGRAMMING IN PYTHON WITH FULL		MR. ANAND JAWDEKAR	AJ	anand.jawdekar35064@paruluniversity.ac.	35064
303105258	STACK DEVELOPMENT LABORATORY	PPFD LAB	MR. ANAND JAWDEKAR	AJ	anand.jawdekar35064@paruluniversity.ac.	35064
	PROBABILITY, STATISTICS AND	PSNM	POLA K PARTH	PKP	parth.pola21273@paruluniversity.ac.in	21273
	PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT	PGPD	MEHUL CHAUHAN	MC	moballower shoules 2470160 and university	24701
			JIGARKUMAR R SAPKALE	JRS	jigar.sapkale33837@paruluniversity.ac.in	33837
303105259	COMPETITIVE CODING	cc	JIGARKUMAR R SAPKALE	JRS	jigar.sapkale33837@paruluniversity.ac.in	33837
	CLASSROOM NO:					
L	LAB/ TUTORIAL LOCATION:				FACULTY REPRESENTATIVE / MFT	Priyanka Mehta
			·			
	SIGN		SIGN & SEAL		SIGN & SEAL	
	Ever!		3/		Francisco E. E. Perk.	
i	PROF.SHREYA DHOLARIYA		DR.AMIT BARVE		Dr. Vipul Vekariya	
			Head of Department	1	Principal / Dean	

		PAR	UL UNIVERSITY			de adoption.
			TY OF ENGINEERING & TECHNOLOGY			Parul® University
	****	INSTITUTE NAME: PARUL INST	TITUTE OF ENGINEERING & TECHNOLOG	Y		NAAC GRADE Ø++
ACADEMIC YEAR: SEMESTER: 4TH	2024-25				YEAR: 2nd YEAR LEVEL: UG	
	B.TECH COMPUTER SCIENCE ENGINEER	RING			DIVISION: 4CSE13	EFFECTIVE FROM: 25-11-2024
TROGRAM NAME.	B.TECH COMI CTERSCENCE ENGINEER	ALING			DIVISION, 4CSEIS	EFFECTIVE FROM: 25-11-2024
				1	1	1
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		4GGE12 BGNR4 DG D 402				
7:30 - 8:30	4CSE13:2:COMA:SPB:L-212	4CSE13:PSNM:DS:D-403		4CSE13:1:PPFD:APS:L-802	4CSE13:1:OS:VT:L-802	4CSE13:2:PPFD:APS:L-802
7.30 - 6.30	4CSE13:2:CN:HP:L-213		CODECHEF	4CSE13:2:CC:SBT:L-803	4CSE13:2:CC:SBT:L-803	4CSE13:1:COMA:SPB:L-803
	4CSE15:2:CN:fip:L-215	4CSE13:PSNM:DS:D-403		4C3E13:2:CC:3B1:L-803	4C3E15:2:CC:3D1:L-803	4C5E15:1:COMA:5PB:L-805
8:30 - 9:30						
			DECEGG FD F	0.20.00.45		
9:30-9:45			RECESS TIME: 0	9:30-09:45		
09:45 - 10:45	4CSE13:PSNM:DS:D-216	4CSE13:1:CN:HP:L-807		4CSE13:CN:HP:D-303	4CSE13:PPFD:APS:D-201	4CSE13:OS:VT:D-201D-118
09:45 - 10:45			CODECHEF			
	4CSE13:PGPD:PT:D-216	4CSE13:1:CC:SBT:L-813		4CSE13:PPFD:APS:D-303	4CSE13:OS:VT:D-201	4CSE13:PPFD:APS:D-118
10:45 - 11:45	TOOLISH GI DH TID 210			TOSELER TIERRE SIE	reservices ville 201	TOOLIGHTI SIL TIO
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11:45 - 12:45			RECESS TIME: 11	1:45 - 12:45		
	4CCE12-2-OC-VT-1 907	4CSE13:OS:VT:D-118		4CSE13:COMA:SPB:D-118	4CSE13:COMA:SPB:A-222	
12:45 - 01:35	4CSE13:2:OS:VT:L-807		CODECHEF			LIBRARY
	4CSE13:1:CC:SBT:L-813	4CSE13:COMA:SPB:D-118		4CSE13:PSNM:DS:D-118	LIBRARY	
01:35 - 02:25		4CSEI3:COMA:SPB:D-II8		4CSE13:PSNW:DS:D-118	LIBRARY	
01.33 - 02.23						
SUBJECT_CODE	SUBJECT_NAME	SHORT_NAME	FACULTY FULL_NAME	FACULTY SHORT NAME	EMAIL ID	MIS ID
SUBJECT_CODE	SUBJECT_NAME	SHORI_NAME	FACULTI FULL_NAME	FACULTI SHORT NAME	EWAIL ID	Wils ib
303105251	OPERATING SYSTEM	OS	VRUTI TANDEL	VT	vrutti.tandel33581@paruluniversity.ac.in	33422
			VRUTI TANDEL	VT	vrutti.tandel33581@paruluniversity.ac.in	
303105252	OPERATING SYSTEM LABORATORY	OS LAB	VRUTI TANDEL	VT	vrutti.tandel33581@paruluniversity.ac.in	33422 33422
303105210	COMPUTER ORGANIZATION AND	COMA	Saurav P. Bharadwaj	SPB	saurav.bharadwaj33162@paruluniversity.	33162
	COMPUTER ORGANIZATION AND	COMA LAB	Saurav P. Bharadwaj	SPB	saurav.bharadwaj33162@paruluniversity.	33162
303105211	MICROPROCESSOR ARCHITECTURE LAB		Saurav P. Bharadwaj	SPB	saurav.bharadwaj33162@paruluniversity.	33162
303105255	COMPUTER NETWORK	CN	HARSH PATELIYA	HP	harsh.pateliya36741@paruluniversity.ac.in	36741
			HARSH PATELIYA	HP	harsh.pateliya36741@paruluniversity.ac.in	36741
303105256	COMPUTER NETWORK LABORATORY	CN LAB	CHARMI PUROHIT	CP	charmi.purohit20973@paruluniversity.ac.in	20973
303105257	PROGRAMMING IN PYTHON WITH FULL	PPFD	ARUNESH PRATAP SINGH	APS	arunesh.singh32826@paruluniversity.ac.in	32826
			ARUNESH PRATAP SINGH	APS	arunesh.singh32826@paruluniversity.ac.in	32826
	PROGRAMMING IN PYTHON WITH FULL STACK DEVELOPMENT LABORATORY	PPFD LAB	ARUNESH PRATAP SINGH	APS	arunesh.singh32826@paruluniversity.ac.in	32826
303105258	PROBABILITY, STATISTICS AND	par			=	
303191251		PSNM	Dhananjay Shahani	DS	dhananjay.sahani36616@paruluniversity.ac.	36616
303193252	PROFESSIONAL GROOMING AND PERSONALITY DEVELOPMENT	PGPD	POONAM THAKER	PT	poonam.thaker26707@panuluniversity.ac.in	26707
	GOVERNMENT GODDA'-	-	SHALU B THAKUR	SBT	shalu.thakur31684@paruluniversity.ac.in	31684
303105259	COMPETITIVE CODING	CC				
	1			†	<u> </u>	
	CLASSROOM NO:				<u> </u>	
	"					
	LAB/ TUTORIAL LOCATION:				FACULTY REPRESENTATIVE /	Rajvee R. Sakariya
				1	MFT	
	SIGN		SIGN & SEAL		SIGN & SEAL	
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	Lay!		3//		Grand Committee Transport Committee	
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	PROF.SHREYA DHOLARIYA		DR.AMIT BARVE		Dr. Vipul Vekariya	
	Time Table Coordinator		Head of Department	ļ	Principal / Dean	
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PARUL UNIVERSITY

R/Circular-945/2024-25

Office of the Registrar November 21, 2024

CIRCULAR

Sub: List of Holidays for the Calendar Year-2025

Ref: Orders of the President

The following is the list of General Holidays for the year 2025.

Sr.No.	Name of Public Holiday	Date	Day		
1	Makar Sakranti - Uttarayan	14.01.2025	Tuesday		
2	Vaasi Uttrayan	15.01.2025	Wednesday		
3	Maha Shivratri (Maha Vad-14)*	26.02.2025	Wednesday		
Monda	oliday denoted for Wednesday, 26th Feb y, 13th January 2025, to allow staff to sday, 26th February 2025, the university w	benefit from linked	holiday(s). On		
4	Holi 2 nd Day - Dhuleti	14.03.2025	Friday		
5	Ramjan Eid (Eid-Ul-Fitra)	31.03.2025	Monday		
6	Dr. Babasaheb Ambedkar Birthday	14.04.2025	Monday		
7	Good Friday	18.04.2025	Friday		
8	Raksha Bandhan	09.08.2025	Saturday		
9	Independence Day/ Parsi New Year	15.08.2025	Friday		
10	Janmashtami (Shravan Vad-8)	16.08.2025	Saturday		
11	Samvatsari (Chaturthi Paksha)	27.08.2025	Wednesday		
12	Mahatma Gandhi's Birthday / Dussehra (Vijayadashami)	02.10.2025	Thursday		
13	Diwali	20.10.2025	Monday		
14	Vikram Samvat New Year's Day	22.10.2025	Wednesday		
15	Bhai Dooj	23.10.2025	Thursday		
16	Sardar Vallabhbhai Patel's Birthday	31,10.2025	Friday		
17	Christmas	25.12.2025	Thursday		
5.90	eclared as Holiday due to Sunday				
1	Republic Day	26.01.2025	Sunday		
2	05.04.0005				

Weekly / Mid Semester / Exam Schedule or Information

Weekly Exam Dates	Weekly Exam
21/12/24	Weekly - 1
28/12/24	Weekly - 2
04/01/25	Weekly - 3
11/01/25	Weekly - 4
18/01/25	Weekly - 5
25/01/25	Weekly - 6

Exam	Dates
Mid Exam	27/01/25 to 01/02/25
Term work submission	10/03/25 to 15/03/25
Practical exam	24/03/25 to 05/04/25
External Sem Exam	07/04/25 to 26/04/25

MFT DETAILS

Sr.	Academic			
No.	Head	Division	Name of FR/MFT	Mobile
1		4CSE1	Margi Manwar	812869087
2		4CSE2	Shalu Thakur	851100421
3		4CSE3	Priyanka Mehta	901647836
4		4CSE4	Hiral Vyas	940880433
5		4CSE5	Sanjay Pagare	900974400
6		4CSE6	Sanjay Pagare	900974400
7		4CSE7	Salman Mohammedhanif	
			Buddha	972338055
8		4CSE8	Salman Mohammedhanif	
			Buddha	972338055
9		4CSE9	Harsh Pateliya	701696249
10		4CSE10	Harsh Pateliya	701696249
11		4CSE11	Kunta M Suthar	940889882
12		4CSE12	Kunta M Suthar	940889882
13		4CSE13	Rajvee R. Sakariya	815483234
14		4CSE14	Rajvee R. Sakariya	815483234

Concerned Faculty List with Contact Detail

Sr	Name of Faculty	Subject	Mobile
	Dr. Yassir Farooqui		9821763324
1	Shreya Dholaria	Operating System	9429514751
2	Dr.K. Himabindu	Software Engineering	9494253410
3	Akshara Prachi		8434036434
	Shubham Upadhyay	Computer Network	8340622068
4	Mr. Anand Jawdekar	Programming in Python with Full Stack Development	9425726540
5	Jigarkumar R. Sapkale	Competitive Coding	6352303987
6	Krunal Patel	Computer Organization and Microprocessor	96622 62460
7	Hardik Gupta	Probability, Statistics and Numerical Methods	9953863404
	Dr. Mohd. Kashif		
8	Apurva Bhagat	Professional Grooming and Personality Development	
	Mr. Mahir Pari Goswami		





Subject Teaching & Examination Scheme

ENGG & TECH - BTech - CSE - 2023 - 24

Semester - 4

						Internal Marks		External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks	
Code	Subject	Credit	Lect	Lab	Tut	Т	Р	CE	Т	Р	Int. + Ext.	Int. + Ext.	
303105210	Computer Organization and Microprocessor	3.00	3	0	0	20	15	20	60	(5)	40	-	100
303105211	Computer Organization and Microprocessor Laboratory	1.00	0	2	0	-	20	140	-	30	-	25	50
303105251	Operating System	3.00	3	0	0	20	-	20	60	120	40	2	100
303105252	Operating System Laboratory	1.00	0	2	0	3	20		÷	30	8	25	50
303105255	Computer Network	3.00	3	0	0	20	110	20	60	(53)	40	-	100
303105256	Computer Network Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303105257	Programming in Python with Full Stack Development	3.00	3	0	0	20	-	20	60	120	40	2	100
303105258	Programming in Python with Full Stack Development Laboratory	1.00	0	2	0	-	20	-	i.i.	30	Ë	25	50
303105259	Competitive Coding	2.00	140	4	-	=	20	-	-	30	÷	25	50
303191251	Probability, Statistics and Numerical Methods	4.00	4	8	-	20	(6)	20	60	-	40	ā	100
303193252	Professional Grooming and Personality Development	1.00	10		1	5	1100	100		(50)	40	-	100
	Total	23.00	16	12	1								850

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical
Theory Passing %: 40 Practical Passing %: 50



303105210 - Computer Organization and Microprocessor

Course	Bachelor of Technology (BTech) Semester – 4
Type of Course	-
Prerequisite	Basic understanding of computer system
Course Objective	This course provides detail of computer system's functional components, their characteristics, performance and interactions including system bus, different types of memory and input/output organization and CPU. This course also covers the architectural issues such as instruction set program and data types

Teaching and Examination Scheme

Teaching Scheme				Examination Scheme						
Lecture	Lecture Tutorial Lab			Cma di4	Internal Marks			External Marks		Total
Hrs/Wee	Hrs/Wee	Hrs/Wee	Hrs/Week	Credit	T	CE	P	T	P	
k	k	k								
3	0	0	0	3	20	20	-	60	-	100

SEE - Semester End Examination, CIA - Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.)

Cou	rse Content	W - Weightage (%), T - Teachin	g hour	S
Sr.	Topics		W	T
1		to Microprocessor 8085Microprocessor, Instruction set and computer languages, 8085 Programming Model, ta Format and	10	4
2		or architecture and interfacing Microprocessor architecture and its operations, Memory and I/O ory interfacing, Interfacing I/O	20	8
3	Programming Compare	methods with Instructions8085 Instructions, Looping, Counting and Indexing, Logic operations Rotate and	15	5
4	Additional Proconversion	ogramming techniquesCounter, time delay, Stack & Subroutines, Restart, Call and Return Instruction, Code	15	8
5	and	tsInterrupt structure of 8085 microprocessor, processing of vectored and non-vectored interrupts, latency time Handling multiple interrupts	10	4
6	language, Bus Arithmetic Mic Computer De	rganization - Register Transfer and Basic Computer Design Register Transfer: Register Transfer design using multiplexer and Tri-state buffer, Memory Transfers, cro- Operations, Logic Micro-Operations, Shift Micro-Operations, Arithmetic logical shift unit. Basic sign: Instruction codes, Computer registers, computer instructions, Timing and Control, Instruction Reference Instructions, Register Reference Instructions, Interrupt, Design of Unit.	15	8
7	Assembler, Prosubroutines, I-C	ganization - Assembler and Memory Organization Assembler: Machine Language, Assembly Language, ogram loops, Programming Arithmetic and logicoperations, Department of Programming. Department of Programming Arithmetic and logicoperations, Department of Programming. Department of Programming Associative Memory, Main memory, Auxiliary memory, Flash memory, Associative memory, Cache and memory	15	8





PU - FET - BTech | Engg & Tech - BTech - CSE 2024 - 25

Semester: 4

Course Outcome

After Learning the Course the students shall be able to:

After learning this course students will be able to:

- 1. Explain 808microprocessor architecture.
- 2. Design assembly language program for 808microprocessor.
- 3. Design Interfacing with various hardware with 808microprocessor.
- 4. Debug program written in assembly language.

Reference Books

1.	Microprocessor Architecture, Programming, and Applications with the 8085 (TextBook) By Ramesh S. Gaonkar Penram International.
2.	Computer System Architecture By M.Morris Mano PHI 3rd Edition
3.	Microprocessor 8085 and its Interfacing By Sunil Mathur PHI Learning Pvt. Ltd
4.	8085 Microprocessor And its Applications By A. NagoorKani TMH Education Pvt. Ltd



303105211 - Computer Organization and Microprocessor Laboratory

Course	Bachelor of Technology (BTech) Semester – 4			
Type of Course	-			
Prerequisite	Basic understanding of computer system			
Course Objective This course provides detail of computer system's functional components, their characteristics, performance and interactions including system bus, different types of memory and input/output organization and CPU. This course also covers the architectural issues such as instruction set provided and data types				

Teaching and Examination Scheme

	ching Schem	ie		Examination Scheme						
Lecture Tutoria		Lab		Cradit		ernal Ma	arks	Externa	al Marks	Total
Hrs/Wee	Hrs/Wee	Hrs/Wee	Hrs/Week	Credit	T	T CE		T	P	
K	K	K								
0	0	2	0	1	-	-	20	=	30	50

SEE - Semester End Examination, CIA - Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.)

List of Practical

1. Addition of two 8 bit numbers using 8085

Addition of two 8 bit numbers using 8085

2. Write a program to add two 16 bit numbers.

Write a program to add two 16 bit numbers.

Part A: write an 8085 assembly language to perform multiplication of two 8 bit nos. Part B: write an 8085 assembly language to perform division of two 8 bit nos.

Part A: write an 8085 assembly language to perform multiplication of two 8 bit nos. Part B: write an 8085 assembly language to perform division of two 8 bit nos.

4. Write a program to add blocks of 8-bit data stored in memory locations.

Write a program to add blocks of 8-bit data stored in memory locations.

5. Write an 8085 assembly language program to find the minimum from two 8-bit numbers

Write an 8085 assembly language program to find the minimum from two 8-bit numbers

6. Part A. Write an assembly language program to sort data in ascending order. Part B Write an assembly language program to sort data in descending order.

Part A. Write an assembly language program to sort data in ascending order. Part B Write an assembly language program to sort data in descending order.

7. Write an 8085 assembly language program to get the minimum from block of n 8-bit number

Write an 8085 assembly language program to get the minimum from block of n 8-bit number

8. Write a program to convert BCD to binary.

Write a program to convert BCD to binary.

9. Write a program to convert binary to BCD

Write a program to convert binary to BCD

10. Write an 8085 assembly language program to convert a given binary number into its equivalent ASCII number

Write an 8085 assembly language program to convert a given binary number into its equivalent ASCII number

11. Write an 8085 assembly language program to convert a given ASCII number into its equivalent binary number

Write an 8085 assembly language program to convert a given ASCII number into its equivalent binary number



303105251 - Operating System

Course	Bachelor of Technology (BTech) Semester – 3
Type of Course	-
Prerequisite	Fundamentals of Computer Systems
Course Objective	This course is an introduction to the theory and practice behind modern computer operating systems. Topics will include what an operating system does (and doesn't) do, system calls and interfaces, processes, concurrent programming, resource scheduling and management, virtual memory, deadlocks, algorithms, programming, and security.

Teaching and Examination Scheme

	ching Schem	ne		Examination Scheme						
Lecture	Tutorial	Lab		C 114	Int	Internal Marks			External Marks	
Hrs/Wee k	Hrs/Wee k	Hrs/Wee k	Hrs/Week	Credit	T	CE	P	Т	P	
3	0	0	0	3	20	20	=	60	-	100

SEE - Semester End Examination, CIA - Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.)

Cou	rse Content	W - Weightage (%), T - Teaching	hour	'S
Sr.	Topics		W	T
1		TION: crating Systems, Generations of Operating systems, Types of Operating Systems, OS Services, System Calls, Structure red, Monolithic, Microkernel Operating Systems, Concept of Virtual Machine.	5	3
2	Processes: Def Context switc Thread: Defini Process Schedu	tion, Various states, Benefits of threads, Types of threads, Concept of multithreads. uling: Foundation and Scheduling objectives, Types of Schedulers, Scheduling criteria: CPU bughput, Turnaround Time, Waiting Time, Response Time; Scheduling algorithms: Pre-emptive and Non pre-	20	9
3	Critical Section ConsumerProb	CESS COMMUNICATION: n, Race Conditions, Mutual Exclusion, Hardware Solution, Strict Alternation, Peterson s Solution, The Producer\ lem, Semaphores, Event Counters, Monitors, Message Passing, Classical IPC Problems: Readers & Writer Problem, sopher Problem etc	15	6
4		KS: cessary and sufficient conditions for Deadlock, Deadlock Prevention, Deadlock Avoidance: Banker's algorithm, ection and Recovery.	10	5
5	Memory Mana '?Fixed and vallocation '?Ha Virtual Memo Dirty page/Dir	MANAGEMENT & VIRTUAL MEMORY: Igement: Basic concept, Logical and Physical address map, Memory allocation: Contiguous Memory allocation ariable partition Internal and External fragmentation and Compaction; Paging: Principle of operation '?Page ardware support for paging, Protection and sharing, Disadvantages of paging. ry: Basics of Virtual Memory '?Hardware and control structures' ?Locality of reference, Page fault, Working Set, ty bit '?Demand paging, Page Replacement algorithms: Optimal, First in First Out (FIFO), Second Chance (SC), Not NRU) and Least Recently used (LRU).	30	13
6	I/O Hardware: Device drivers File Manageme Allocation met implementation	MS, FILE & DISK MANAGEMENT: I/O devices, Device controllers, Direct memory access Principles of I/O Software: Goals of Interrupt handlers, s, Device independent I/O software. ent: Concept of File, Access methods, File types, File operation, Directory structure, File System structure, hods (contiguous, linked, indexed), Free-space management (bit vector, linked list, grouping), directory on (linear list, hash table), efficiency and performance. ent: Disk structure, Disk scheduling algorithms - FCFS, SSTF, SCAN, C-SCAN, Disk reliability, Disk formatting, and blocks	20	9

Subject Syllabus



PU - FET - BTech | Engg & Tech - BTech - CSE 2024 - 25

Semester: 4

Course Outcome

After Learning the Course the students shall be able to:

After Learning the Course the students shall be able to:

- 1. Distinguish different styles of operating system design.
- 2. Understand device and I/O management functions in operating systems as part of a uniform device abstraction.
- 3. Understand disk organization and file system structure
- 4. Give the rationale for virtual memory abstractions in operating systems.
- 5. Understand the main principles and techniques used to implement processes and threads as well as the different algorithms for process scheduling.
- 6. Understand the main mechanisms used for inter-process communication.

By Daniel P. Bovet, Marco Cesati, O'Reilly and Associates | 3rd Edition

Reference Books

IXCI	ci circe books	
1.		tem Concepts Essentials (TextBook) chatz, Peter Galvin, Greg Gagne 9th Edition Wiley Asia Student Edition.
2.		tems Internals and Design Principles ings PHI 5th Edition
3.		tem: A Design-oriented Approach eley, 1st Edition - Irwin Publishing
4.		tems: A Modern Perspective ntt Addison-Wesley; 2nd Edition 2nd Edition
5.		Unix Operating Systems n, Prentice-Hall of India 8th Edition
6.	Understanding	the Linux Kernel



303105252 - Operating System Laboratory

Course	Bachelor of Technology (BTech) Semester – 4
Type of Course	-
Prerequisite	Fundamentals of Computer Systems
Course Objective	This course is an introduction to the theory and practice behind modern computer operating systems. Topics will include what an operating system does (and doesn't) do, system calls and interfaces, processes, concurrent programming, resource scheduling and management, virtual memory, deadlocks, algorithms, programming, and security.

Teaching and Examination Scheme

Teaching Scheme Examination Scheme											
Lecture	Lecture Tutorial Lab		Con		Int	ernal Ma	arks	External Marks T		Total	
Hrs/Wee k	Hrs/Wee k	Hrs/Wee k	Wee Hrs/Week	Hrs/Week Credit	Credit	Т	CE	P	Т	P	
0	0	2	0	1	-	-	20	-	30	50	

List	of Practical
1.	Study of Basic commands of Linux.
2.	Study the basics of shell programming.
3.	Write a Shell script to print given numbers sum of all digits.
4.	Write a shell script to validate the entered date. (eg. Date format is: dd-mm-yyyy).
5.	Write a shell script to check entered string is palindrome or not.
6.	Write a Shell script to say Good morning/Afternoon/Evening as you log in to system.
7.	Write a C program to create a child process.
8.	Finding out biggest number from given three numbers supplied as command line arguments.
9.	Printing the patterns using for loop.
10.	Shell script to determine whether given file exist or not.
11.	Write a program for process creation using C. (Use of gcc compiler.
12.	Implementation of FCFS &Round Robin Algorithm.
13.	Implementation of Banker's Algorithm.



303105255 - Computer Network

Course	Bachelor of Technology (BTech)	Semester – 4
Type of Course	-	
Prerequisite	knowledge of Computer and Information system	
Course Objective	This course is design to provide the basic knowledge about the data & signals. It also provide concepts of computer network and firm foundation for understanding how data communi in the Transmission Medium. It will help to develop logical abilities and practically setup the	cation occurs

Teaching Scheme Examination Scheme										
Lecture	Lecture Tutorial		C	Credit		Internal Marks External M		al Marks	Total	
Hrs/Wee k	Hrs/Wee Hrs/We	Hrs/Wee k	Hrs/Week	Credit	T	CE	P	T	P	
3	0	0	0	3	20	20	-	60	-	100

SEE - Semester End Examination, CIA - Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.)

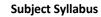
Cou	rse Content	W - Weightage (%), T - Teaching	hour	S
Sr.	Topics		W	T
1	Representation Transmission	IMUNICATION COMPONENTS: of data and its flow Networks, VariousConnection Topology, Protocols and Standards, OSI model, Media, LAN:Wired LAN, Wireless LANs, Connecting LAN and Virtual LAN, Techniques forBandwidth altiplexing - Frequency division, Time division and Wavedivision, Concepts on spread spectrum	25	11
2	Error Detection controlprotoco	K LAYER AND MEDIUM ACCESS SUB LAYER: n and Error Correction -Fundamentals, Block coding, Hamming Distance, CRC; Flow Control and Error ls - Stop and Wait, Goback 'N ARQ, Selective Repeat ARQ, Sliding Window, Piggybacking, Random Access, s protocols - Pure ALOHA, Slotted ALOHA, CSMA/CD, CDMA/CA	25	11
3	Network Lay Switching, Log Unicast Routin	ical addressing 'IPV4, IPV6; Address mapping 'ARP, RARP, BOOTP and DHCP'Delivery, Forwarding and	20	8
4		ayer: ess Communication, User Datagram Protocol(UDP), Transmission Control Protocol (TCP), SCTP Congestion ty of Service, QoS improving techniques: Leaky Bucket and Token Bucket algorithm.	15	6
5	Application Domain Name concepts of Cr	Space (DNS), DDNS, TELNET, EMAIL, File TransferProtocol (FTP), WWW, HTTP, SNMP, Bluetooth, Firewalls, Basic	15	6

Course Outcome

After Learning the Course the students shall be able to:

After Learning the course the students shall be able to:

- 1. Draw the functional block diagram of wide-area networks (WANs), local area networks (LANs) and Wireless LANs (WLANs) describe the function of each block.
- 2. Understand the functions of the different layers of the OSI Protocol
- 3. Understand and Design For a given requirement (small scale) of wide-area networks (WANs), local area networks (LANs) and Wireless LANs (WLANs) design it based on the market available component
- 4. Learn on the given problem-related TCP/IP protocol developed for the network programming.
- 5. Configure DNS DDNS, TELNET, EMAIL, File Transfer Protocol (FTP), WWW, HTTP, SNMP, Bluetooth, and Firewalls using open-source available software and tools.





PU - FET - BTech | Engg & Tech - BTech - CSE 2024 - 25

Semester: 4

Reference Books

1.	Computer Networks (TextBook) By Andrew S. Tanenbaum and David J. Wetherall PEARSON Edition
2.	Internetworking with TCP/IP Principles, Protocols and Architecture By Douglas E Comer
3.	TCP/IP Illustrated By Richard Stevens
4.	Data Communication and Networking By Behrouz A. Forouzan
5.	"Data and computer communications", By William Stallings Prentice Hall



303105256 - Computer Network Laboratory

Course	Bachelor of Technology (BTech) Semester – 4
Type of Course	-
Prerequisite	knowledge of Computer and Information system
Course Objective	This course is design to provide the basic knowledge about the data & signals. It also provides basic concepts of computer network and firm foundation for understanding how data communication occurs in the Transmission Medium. It will help to develop logical abilities and practically setup the network .

Teaching		

	Teac	ching Schen	ne		Examination Scheme					
Lecture	Lecture Tutorial Lab			Credit	Int	ernal Ma	arks	Externa	al Marks	Total
Hrs/Wee	Hrs/Wee	Hrs/Wee	Hrs/Week	Credit	T	CE	P	T	P	
k	k	k								
0	0	2	0	1	-	-	20	ı	30	50

•	• .	•	T	4 •	
	101	Λŧ	Pro	ctica	.

1.	Experiments	on Simulation Tools: (CISCO PACKET TRACER).
2.	Experiments	of Packet capture tool: Wireshark.
3.	To study beh	avior of generic devices used for networking: (CISCO PACKET TRACER).
4.	Data Link La	ayer (Error Correction).
5.	Virtual LAN	
6.	Wireless LA	N
7.		king with routers: 1: Experiment on same subnet 2: Perform Experiment across the subnet and observe of Router via selecting suitable pair of Source and destination.
8.	Implementat	ion of SUBNETTING.
9.	Routing at N	etwork Layer.
10.	Experiment	on Transport Layer.



303105257 - Programming in Python with Full Stack Development

Course	Bachelor of Technology (BTech) Semester – 4
Type of Course	-
Prerequisite	Basic knowledge of Programming and web applications
Course Objective	This course provides a broad introduction to Python programming and development of web applications. Developing and using Python as a scripting language for automating tasks and data processing. Moreover Building and deploying web applications using popular Python frameworks such as Django and Flask

Teaching and Examination Scheme

	Teaching Scheme				Examination Scheme					
Lecture	Tutorial Hrs/Wee k	Lab		Credit	Internal Marks			Externa	al Marks	Total
Hrs/Wee k		Hrs/Wee	Hrs/Week	Crean	T	CE	P	T	P	
3	0	0	0	3	20	20	-	60	-	100

Cour	rse Content	W - Weightage (%), T - Teaching	g hour	S
Sr.	Topics		W	T
1	Introduction Lists,Sets,Tu	n to python programing: to Python and basic programming concepts, variables, data types, conditionals statements and loops uples, Dictionaries: n strings, lists, sets, tuples and dictionaries, including common operations and built-in functions	15	6
2	Concepts: Object, class, File handlin	using functions, including the use of arguments and return values OOPS abstraction, encapsulation, polymorphism, Inheritence. Exceptions and	20	5
3	Working with Introduction PyCharm IDE	nd Packages: n modules and packages in Python to popular Python libraries for specific tasks, such as data analysis, web development, or game development. : gration with PyCharm IDE, PyTests. Python connectivity with Databases MYSQL, MongoDB CRUD operations.	15	5
4	URL Buildin Flask App wi	to Flask and web development with Python, Installation in Virtual Environment. Creation Routing App Settings g HTTP methods Templates Working with Static, Media Files. Sending Form Data to Template. th Database connectivity Sqlite3, MySQL. Handling Exceptions and Errors Flash Message Working with Mails. and authorizing users with Flask-Login, Deploying a Flask application to a web server.	20	10
5	a Project. Creation of A Views URL 1	Imework: to Django framework, Django Project Installation in Virtual Environment. Phases in Django Project Creation Create Apps and their Structure. Working with ADMIN Console. Creating Mapping. Template System Working with Models. Form Processing files, Django App Deployment.	20	10

Subject Syllabus

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Semester: 4

10

6 RESTful APIs:

Introduction to RESTful APIs and the REST architectural style Understanding the

HTTP protocol and its role in RESTful APIs

Designing and implementing RESTful APIs using common HTTP methods, such as GET, POST, PUT, and DELETE Using URLs and resource representations to identify and transfer data in RESTful APIs

Implementing best practices for designing and implementing RESTful APIs, such as using HTTP status codes, versioning, and error handling

Consuming RESTful APIs using common tools and libraries, such as cURL, Postman, and the requests library in Python Building scalable and secure RESTful APIs using common frameworks and libraries Flask or FastAPI.

Course Outcome

After Learning the Course the students shall be able to:

After learning this course students are able to:

- 1. Understand the fundamental concepts of web development.
- 2. Create and manipulate data using a variety of databases, including SQL and NoSQL
- 3. Build and deploy web applications using a popular Python web framework, such as Django or Flask.
- 4. Design and implement APIs (application programming interfaces) that enable different applications to communicate with each other.
- 5. Test and debug web applications, and to deploy them to production environments.

Reference Books

Ker	erence doors
1.	Fluent Python, 2nd Edition by Luciano Ramalho (TextBook)
2.	Learn Python3 the Hard Way By Zed Shaw
3.	"Django for Beginners: Build websites with Python and Django" by William S. Vincent.
4.	"Learning Django Web Development" by Samuli Natri.
5.	"Flask Web Development with Python" by Miguel Grinberg.
6.	"Mastering Flask" by Jack Stouffer.
7.	"Building RESTful Python Web Services" by Gastón C. Hillar.
8.	Building Web APIs with FastAPI" by Samuel Colvin.



303105257 - Programming in Python with Full Stack Development Laboratory

Course	Bachelor of Technology (BTech) Semester – 4
Type of Course	-
Prerequisite	Basic knowledge of Programming and web applications
Course Objective	This course provides a broad introduction to Python programming and development of web applications. Developing and using Python as a scripting language for automating tasks and data processing. Moreover Building and deploying the applications using popular Python frameworks such as Diaggo and Flask.
	and deploying web applications using popular Python frameworks such as Django and Flask

Teaching and Examination Scheme

	Teac	Teaching Scheme Exam				xamination S	cheme			
Lecture	Tutorial	Lab		Cradit	Internal Marks			External Marks		Total
Hrs/Wee k	Hrs/Wee k	Hrs/Wee k	Hrs/Week	Credit -	T	CE	P	T	P	
0	0	2	0	1	-	-	20	-	30	50

SEE - Semester End Examination, CIA - Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.)

List of Practical

1. Set-1

- 1. A program that converts temperatures from Fahrenheit to Celsius and vice versa.
- 2. A program that calculates the area and perimeter of a rectangle.
- 3. A program that generates a random password of a specified length.
- **4**. A program that calculates the average of a list of numbers.
- 5. A program that checks if a given year is a leap year.
- 6. A program that calculates the factorial of a number.
- 7. A program that checks if a given string is a palindrome.
- 8. A program that sorts a list of numbers in ascending or descending order.
- 9. A program that generates a multiplication table for a given number.
- 10. A program that converts a given number from one base to another.

2. Set-2

- 1. A program that models a bank account, with classes for the account, the customer, and the bank.
- 2. A program that simulates a school management system, with classes for the students, the teachers, and the courses.
- 3. A program that reads a text file and counts the number of words in it.
- 4. A program that reads a CSV file and calculates the average of the values in a specified column.
- 5. A program that reads an Excel file and prints the data in a tabular format.

3. Set-3

- 1. A program that creates a simple web server and serves a static HTML page.
- 2. A program that creates a web application that allows users to register and login.
- 3. A program that creates a web application that allows users to upload and download files.
- 4. A program that creates a web application that displays data from a database in a tabular format.
- 5. A program that creates a web application that accepts user input and sends it to a server-side script for processing.



4. Set-4

- 1. A program that creates a web application that uses a template engine to generate dynamicHTML pages.
- 2. A program that creates a web application that supports AJAX requests and updates the page without reloading.
- 3. A program that creates a web application that uses Django's built-in debugging features to troubleshoot errors and exceptions.
- 4. A program that creates a web application that implements user authentication and authorization.
- 5. A program that creates a web application that integrates with third-party APIs to provide additional functionality.

5. Set-5

- 1. A program that creates a simple RESTful API that returns a list of users in JSON format.
- 2. A program that creates a RESTful API that allows users to create, read, update, and delete resources.
- 3. A program that creates a RESTful API that authenticates users using a JSON Web Token.
- **4**. A program that creates a RESTful API that paginates the results of a query to improve performance.
- 5. A program that creates a RESTful API that supports data validation and error handling.



303105259 - Competitive Coding

Course	Bachelor of Technology (BTech) Semester – 4
Type of Course	-
Prerequisite	proficiency in a programming language
Course Objective	Competitive coding sharpens problem-solving skills, enhances algorithmic thinking, and fosters quick and efficient coding practices. It provides a platform for continuous learning, challenges individuals to tackle diverse problems, and fosters a competitive spirit that's valuable in
	technical interviews and real-world software development.

Teaching and Examination Scheme

		Examination Scheme								
Lecture	Tutorial	Lab Hrs/Wee k		Credit	Internal Marks		Externa	al Marks	Total	
Hrs/Wee k	Hrs/Wee k		Hrs/Week	Credit	T	CE	P	T	P	
-	-	4	-	2	-	-	20	-	30	50

SEE - Semester End Examination, CIA - Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.)

List of Practical

1.

Write a program for implementing a MINSTACK which should support operations like push, pop, overflow, underflow, display

- 1. Construct a stack of N-capacity
- 2. Push elements
- 3. Pop elements
- 4. Top element
- 5. Retrieve the min element from the stack

Write a program to deal with real-world situations where Stack data structure is widely used Evaluation of expression: Stacks are used to evaluate expressions, especially in languages that use postfix or prefix notation. Operators and operands are pushed onto the stack, and operations are performed based on the LIFO principle.

Write a program for finding NGE NEXT GREATER ELEMENT from an array.

Write a program to design a circular queue(k) which Should implement the below functions a. Enqueue

- b. Dequeue
- D. Dequ
- c. Front
- d. Rear

5.

Write a Program for an infix expression, and convert it to postfix notation. Use a queue to implement the Shunting Yard Algorithm for expression conversion.



6.	Write a Program for finding the Product of the three largest Distinct Elements. Use a Priority Queue to efficiently find and remove the largest elements.
7.	Write a Program to Merge two linked lists(sorted).
8.	Write a Program to find the Merge point of two linked lists(sorted).
9.	Write a Program to Swap Nodes pairwise.
10.	Write a Program for Building a Function ISVALID to VALIDATE BST.
11.	Write a Program to Build BST.
12.	Write a Program to determine the depth of a given Tree by Implementing MAXDEPTH.
13.	Write a Program to Understand and implement Tree traversals i.e. Pre-Order Post-Order, In-Order.
14.	Write a Program to perform Boundary Traversal on BST.
15.	Write a program for Lowest Common Ancestors.
16.	Write a Program to verify and validate mirrored trees or not.
17.	Write a Program for a basic hash function in a programming language of your choice. Demonstrate its usage to store and retrieve key-value pairs.
18.	Implement a hash table using separate chaining for collision handling. Perform operations like insertion, deletion, and search on the hash table.
19.	Write a Program to Implement Two sums using HASHMAP.
20.	Write a Program to Implement Search, insert, and Remove in Trie.
21.	Write a Program to Implement Huffman coding.
22.	Write a Program to find Distinct substrings in a string.



2.	3.	Write a Program to find The No of Words in a Trie.
2		Write a Program to view a tree from left View.
2	5.	Write a Program to Traverse a Tree using Level Order Traversal.



303191251 - Probability, Statistics and Numerical Methods

Course	Bachelor of Technology (BTech)	Semester – 4
Type of Course	-	
Prerequisite	Basic concepts of Statistics and Probability.	
Course Objective	The course provides systematic knowledge of probability, numerical and statistical methods.	

Teaching and Examination Scheme

	Teac	ching Schen	ne		Examination Scheme					
Lecture	Tutorial Lab			Cons dia	Int	ternal Ma	arks	Externa	al Marks	Total
Hrs/Wee k	Hrs/Wee k	Hrs/Wee k	Hrs/Week	Credit	T	CE	P	Т	P	
4	-	-	-	4	20	20	-	60	-	100

Cou	rse Content	W - Weightage (%), T - Teaching	hou	S
Sr.	Topics		W	T
1		elation, Regression and Curve fitting: Correlation and Regression – Rank correlation Curve Fitting by The st Squares- Fitting of Straight Lines, Second Degree Parabolas and More General Curves.	18	11
2	continuous ran	ability and Probability Distributions: Probability Spaces, Conditional Probability, Bayes' Rule, Discrete and dom variables, Independent Random Variables, Expectation and Variance of Discrete and Continuous Random ribution and Their Properties: Binomial Distribution, Poisson Distribution, Normal Distribution.	23	13
3	mean, differen	ng of Hypothesis: Test of significance: Large sample test for single proportion, difference of proportions, single ce of means, and difference of standard deviations. Test for single mean, difference of means, Test for ratio of square test for goodness of fit and independence of attributes.	26	15
4	Jacobi and Ga	ion of a System of Linear Equations, Roots of Algebraic and Transcendental Equations: Gauss- uss Seidel Methods, Solution of Polynomial and Transcendental Equations – Bisection Method, Newton- nod and Regula-Falsi Method.	11	7
5		e Differences and Interpolation: Finite Differences, Relation between Operators, Interpolation using ward and Backward Difference Formulae. Newton's Divided and Lagrange's Formulae for Unequal Intervals.	11	7
6	Numerical so	erical Integration: Trapezoidal rule, Simpson's 1/3rd and 3/8th Rules, Gaussian Quadrature Formulae. lution of Ordinary Differential Equations: Taylor's Series, Euler and Modified Euler's Methods. Runge- of Fourth Order for Solving First and Second Order Equations.	11	7



Course Outcome

After Learning the Course the students shall be able to:

- Analyse correlation and regression between two variables and fit a curve to the given set of values.
- Calculate probabilities and analyse random variables to determine expectation and variance.
- Evaluate hypotheses by conducting significance tests for proportions, means, standard deviations, and variances using large sample tests, chi-square tests, and other appropriate statistical methods.
- Apply numerical methods such as Gauss-Jacobi, Gauss Seidel, bisection method, Newton-Raphson method, and Regula-Falsi method to solve systems of linear equations and algebraic/transcendental equations
- Interpolate data using finite differences and various interpolation techniques including Newton's forward/backward difference formulae, and Lagrange's formulae for unequal intervals.
- Utilize numerical integration techniques such as the trapezoidal rule, Simpson's rules, and Gaussian quadrature formulae, as well as numerical methods including Taylor's series, Euler's method, Modified

Reference Books

1.	Introductory Methods of Numerical Analysis By Sastry S. S Prentice Hall of India
2.	Numerical Methods in Engineering & Science with Programs in C and C++ (TextBook) By Dr. B. S. Grewal Khanna Publishers
3.	Introduction to Numerical Analysis By C.E. Froberg Addison Wesley Publishing Company
4.	Introduction to Probability (TextBook) By P. G. Hoel, S. C. Port and C. J. Stone, UBS Publishers,
5.	Fundamentals of Mathematical Statistics (TextBook) By S.C. Gupta and V. K. Kapoor Sultan Chand & Sons



303193252 - Professional Grooming and Personality Development

Course	Bachelor of Technology (BTech) Semester – 4
Type of Course	-
Prerequisite	Knowledge of communication theories and basic management skills are essential.
Course Objective	Acquiring soft skills, life skills & aptitude skills are crucial for organizational communication as well as for employability

Teaching and Examination Scheme

Teaching Scheme Examination Scheme										
Lecture	Tutorial	Lab		Credit	Int	ernal Ma	arks	Externa	al Marks	Total
Hrs/Wee k	Hrs/Wee k	Hrs/Wee k	Hrs/Week	Credit	Т	CE	P	Т	P	
-	1	-	-	1	100	100	-	-	-	100

Cou	rse Content	W - Weightage (%), T - Teachin	ng hour	S
Sr.	Topics		W	T
1	relevant to car	ment and Assessment Various self-assessments for personal and professional development skills that are ever development: - Change, Grow, Persist, Prioritize, Read, Learn, Listen, Record, Remember, Guess, Think, e, Relate, and Dream	25	4
2	Telephone etic Etiquette for f	oreign business trips small talks Respecting	25	4
3	Effective Pub Choosing approf persuasion Making speech		20	4
4		Ils Activity & Reading Comprehension Aims to improve students' Comprehensive Skills in English getting them involved in reading activity and providing practice for reading comprehension.	15	2
5	providing ther	ills- Inquiry Based Listening Questions Aims to improve students' listening skills in English Language in practice of various types of inquiry based listening tracks. Students will listen and will be able to find out the conversations.	15	1



Course Outcome

After Learning the Course the students shall be able to:

After Learning the course the students shall be able to:

- 1. Identity and develop soft skills required for personal and professional growth.
- 2. Develop professional etiquette & desired behaviour at the workplace
- 3. Speak and participate effectively in oral organizational communication
- 4. Improve comprehensive skills for reading
- 5. Know how to be assertive in professional environment

Lesson Plan -		R ORGANIZATION AND MICROPROCESSOR HITECTURE (303105211)
SR NO.	UNIT	TOPIC
1		Introduction
2	1	Microprocessor
3	1	Instruction set and computer languages
4		8085 Programming Model
5		Microprocessor architecture
6		Microprocessor operations
7		Memory devices
8		I/O devices
9		1/O devices
9		Memory Interfacing
10	2	Memory Interfacing
11		
10		Interfacing I/O devices
12		V . 6 VO 1 .
12		Interfacing I/O devices
13		8085 Instructions,
14		Looping
15		Counting and Indexing
16	3	Logic operations
17		Rotate and Compare
18		Counter
19		time delay
20		Stack & Subroutines
21		Stack & Subroutines
22	1	Stack & Subroutines
23	1	Restart
24	1	Call and Return Instruction
25	_	Code conversion
	4	Code conversion
26		Interrupt structure of 8085 microprocessor
27		processing of vectored and non-vectored interrupts
28		latency time and response time
29	5	Handling multiple interrupts
30]	Register Transfer language
31		Bus design using



		multiplexer and Tri-state buffer
32		Memory Transfers, Arithmetic Micro-
		Operations
33		Logic Micro-Operations, Shift Micro-Operations
34		Arithmetic
		logical shift unit, Design of Accumulator Unit.
35		Instruction codes, Computer registers,
		computer instructions
36	6	Timing and Control, Instruction cycle, Memory-
		Reference Instructions
37		Register Reference Instructions, IO Reference
		Instructions, Interrupt
38		Machine Language,
39		Assembly Language, Assembler,
		Program loops
40		Programming Arithmetic and logic operations
41		subroutines, I-O Programming.
42		Memory hierarchy, Main memory
43		Auxiliary
		memory, Flash memory
44	7	Associative memory, Cache memory
45		Virtual
		memory

Lab Plan - COMPUTER ORGANIZATION AND MICROPROCESSOR ARCHITECTURE LABORATORY(303105212)

SR.N O.	LAB NO.	PRACTICAL TITLE
1	1	Part A: Addition of two 8 bit numbers using 8085. PART B: Write a program to add two 16-bit numbers stored in registers or memory locations. PART C: 8 BIT SUBTRACTION
2	2	PART A: Write an 8085 assembly language TO PERFORM MULTIPLICATION OF TWO 8 BIT NOS. PART B: Write an 8085 assembly language TO PERFORM DIVISION OF TWO 8 BIT NOS.
3 4	3 4	Write a program to add block of 8-bit data stored in memory locations. Part A: Write an 8085 assembly language program to find the minimum from two 8-bit numbers.



		Part B: Write an 8085 assembly language program to get the minimum from block of N 8-bit numbers.
5	5	Part a: Write an 8085 assembly language program to find the maximum from two 8-bit numbers.
		Part b: Write an 8085 assembly language program to get the maximum from block of N 8-bit numbers.
		Part A: Write aN ASSEMBLY LANGUAGE program to sort data in ascending order.
6	6	Part B: Write aN ASSEMBLY LANGUAGE program to sort data in decending order.
		PART A: WRITE AN 8085 ASSEMBLY LANGUAGE PROGRAM TO CONVERT
7	7	GIVEN BCD NUMBER INTO ITS EQUIVALENT BINARY NUMBER.
		PART B: WRITE AN 8085 ASSEMBLY LANGUAGE PROGRAM TO CONVERT
		GIVEN BINARY NUMBER INTO ITS EQUIVALENT BCD NUMBER.
8	8	PART A:WRITE AN 8085 ASSEMBLY LANGUAGE PROGRAM TO CONVERT
8		GIVEN BINARY NUMBER INTO ITS EQUIVALENT ASCII NUMBER.
		PART B: WRITE AN 8085 ASSEMBLY LANGUAGE PROGRAM TO CONVERT
		GIVEN ASCII NUMBER INTO ITS EQUIVALENT BINARY NUMBER.
9	9	WRITE AN ASSEMBLY LANGUAGE PROGRAM IN 8085 CALCULATE THE
		SUM OF A SERIES OF EVEN NUMBERS.
10	10	WRITE AN ASSEMBLY LANGUAGE PROGRAM IN 8085 CALCULATE THE
		SUM OF SERIES OF ODD NUMBERS



LECTURE NO	. UNIT	TOPIC
		Concept of Operating Systems, Generations of Operating systems, Types of
1	1	Operating Systems.
	1	OS Services, System calls, Structure of an OS-Layered, Monolithic,
2		Microkernel Operating Systems
3	1	Concept of Virtual Machine
	2	Definition, Process Relationship, Different states of a Process, Process
4		State
		transitions
5	2	Process Control Block (PCB), Context switching
6	2	Thread: Definition, Various states, Benefits of threads, Types of threads,
7	2	Concept of multithreads. Process Scheduling: Foundation and Scheduling objectives
	2	Types of Schedulers, Scheduling criteria: CPU utilization, Throughput,
8		Turnaround Time, Waiting Time, Response Time
9	2	Scheduling algorithms: Pre-emptive and Non pre-emptive,
10	2	FCFS
11	2	SJF
12	2	RR
	3	Inter-Process Communication: Critical Section, Race Conditions, Mutual
13		Exclusion,
14	3	Hardware Solution, Strict Alternation, Peterson's Solution
15	3	The Producer\ Consumer Problem, Semaphores, Event Counters, Monitors
16	3	Classical IPC Problems: Reader's & Writer Problem,
17	3	Dinning Philosopher Problem etc.
18	4	Deadlocks: Definition, Necessary and sufficient conditions for Deadlock,
19	4	Deadlock Prevention
20	4	Deadlock Avoidance: Banker's algorithm
21	4	Deadlock detection
22	4	Deadlock Recovery
23	5	Memory Management: Basic concept, Logical and Physical address map
24	5	Memory allocation: Contiguous Memory allocation
25	5	Fixed and variable partition
26	5	Internal and External fragmentation and Compaction
27	5	Paging: Principle of operation
28	5	Page allocation
29	5	Hardware support for paging, Protection and sharing, Disadvantages of paging.
30	5	Virtual Memory: Basics of Virtual Memory
31	5	Hardware and control structures, Locality of reference, Page fault
32	5	Working Set, Dirty page/Dirty bit, Demand paging
33	5	Page Replacement algorithms: Optimal
34	5	First in First Out (FIFO), Second Chance (SC)
35	5	Not recently used (NRU) and Least Recently used (LRU).
36	6	I/O Hardware: I/O devices, Device controllers,
	6	2 3 March 2 3 de 11000, De 1100 controllors,
37		Direct memory access, Principles of I/O Software: Goals of Iterrupt handlers



38	6	Device drivers, Device independent I/O software
39	6	File Management: Concept of File, Access methods, File types
40	6	File operation, Directory structure, File System structure
41	6	Allocation methods (contiguous, linked, indexed), Free-space management (bit vector, linked list, grouping)
42	6	Directory implementation (linear list, hash table), efficiency and performance
43	6	Disk Management: Disk structure, Disk scheduling algorithms - FCFS , SSTF, SCAN, C-SCAN
44	6	Disk reliability, Disk formatting, Boot-block, Bad blocks

Srno	Lab No	Discoving Description
1	1	Planning Description 1. Study of Basic commands of Linux.
1	1	1. Study of Basic communities of Linux.
2	2	2. Study the basics of shell programming.
3	3	3. Write a Shell script to print given numbers sum of all digits.
4	4	4. Write a shell script to validate the entered date. (eg. Date format is: dd- mm-yyyy).
5	5	5. Write a shell script to check entered string is palindrome or not.
6	6	6. Write a Shell script to say Good morning/Afternoon/Evening as you log in to system.
7	7	7. Write a C program to create a child process.
8	8	8. Finding out biggest number from given three numbers supplied as command line arguments.
9	9	9. Printing the patterns using for loop.
10	10	10. Shell script to determine whether given file exist or not.
11	11	11. Write a program for process creation using C. (Use of gcc compiler.
12	12	12. Implementation of FCFS &Round Robin Algorithm.
13	13	13. Implementation of Banker's Algorithm.

Lesson Plan - C	N	
LECTURE	UNIT	TOPIC
NO.		
1		Introduction to Data Communication Components
2		Representation of Data and its Flow
3		Networks and Various Connection Topologies
4		Protocols and Standards
5		OSI Model: Overview
6		Transmission Media
7		LAN: Wired LAN, Wireless LANs
8	1	Connecting LAN and Virtual LAN
9		Bandwidth Utilization: Multiplexing Techniques
10		Spread Spectrum Concepts
11		Error Detection Fundamentals
12		Error Correction: Block Coding, Hamming Distance
13		Cyclic Redundancy Check (CRC)
14		Flow Control Protocols: Stop and Wait
15		Go-Back-N ARQ and Selective Repeat ARQ
16		Sliding Window and Piggybacking
17		Random Access Protocols: ALOHA Variants
18	2	CSMA/CD and CSMA/CA
19		Switching Techniques
20		Logical Addressing: IPv4, IPv6
21		Address Mapping: ARP and RARP
22		BOOTP and DHCP
23		Delivery and Forwarding Mechanisms
24		Unicast Routing Protocols
		<u> </u>
25 26		Process-to-Process Communication
26 27		User Datagram Protocol (UDP)
27		Transmission Control Protocol (TCP)
28		Stream Control Transmission Protocol (SCTP)
29		Congestion Control
30		QoS Concepts and Techniques
31		Leaky Bucket Algorithm
32	4	Token Bucket Algorithm
33		Domain Name Space (DNS) and DDNS
34		TELNET and EMAIL Protocols
35		File Transfer Protocol (FTP)
36		World Wide Web (WWW) and HTTP
37		SNMP and Bluetooth Basics



38		Firewalls and Security Basics
39	5	Introduction to Cryptography

	303105257 -PPFD- P	rogramming in Python with Full Stack Development
LECTURE NO.	UNIT	
1		Introduction to Python and basic programming concepts,
2		Variables, data types, Conditionals statements
3		Loops, List, Tupples
4	1	Working with strings
5		lists, sets, tuples and dictionaries
6		including common operations and built-in functions
		Defining and using functions, including the use of arguments and
7		return values
8	2	OOPS Concepts :Object, class
9		abstraction, encapsulation, polymorphism, Inheritence
10		Exceptions and File handling:Handling exceptions
11		working with files
12		Modules and Packages: Working with modules and packages in Python
		Introduction to popular Python libraries for specific tasks such as
13	3	data analysis, web development, or game development
14		PyCharm IDE :GIT- Git Integration with PyCharm IDE, PyTests
15		Python connectivity with Databases MYSQL
16		MongoDB CRUD operations
17		Flask Framework: Introduction to Flask and web development with Python
18		Installation in Virtual Environment Creation Routing App Settings
19		URL Building HTTP methods Templates Working with Static, Media Files
20		
21	4	Sending Form Data to Template Flook Arm with Detabase compositivity Solite? MySOL
		Flask App with Database connectivity Sqlite3, MySQL.
22		Flask App with Database connectivity Sqlite3, MySQL.
23		Handling Exceptions and Errors Flash Message Working with Mails.
24		Authenticating and authorizing users with Flask-Login
25		Deploying a Flask application to a web server.
26		Deploying a Flask application to a web server.
27		Django Framework: Introduction to Django framework
28		Django Project Installation in Virtual Environment
29		Phases in Django Project Creation Create a Project
30		Creation of Apps and their Structure.
31	~	Working with ADMIN Console.
32	5	Creating Views URL Mapping
33		Template System Working with Models.
34		Form Processing static, media files
35		Django App Deployment.
36		Django App Deployment.
_ ~		[-10kkkk-)



37	37		RESTful APIs:Introduction to RESTful APIs and the REST architectural style, Understanding the HTTP protocol and its role in RESTful APIs
38	38		Designing and implementing RESTful APIs using common HTTP methods, such as GET, POST, PUT, and DELETE
39	39	6	Using URLs and resource representations to identify and transfer data in RESTful APIs
40	40		Implementing best practices for designing and implementing RESTful APIs, such as using HTTP status codes, versioning, and error handling
41	41		Consuming RESTful APIs using common tools and libraries, such as cURL, Postman, and the requests library in Python
42	42		Building scalable and secure RESTful APIs using common frameworks and libraries Flask or FastAPI

	303105258 -PPFD- Programming in Python with Full Stack Development Laboratory			
Srno	Lab No	Planning Description		
1		1. A program that converts temperatures from Fahrenheit to Celsius and vice versa.		
2		2. A program that calculates the area and perimeter of a rectangle.		
3		3. A program that generates a random password of a specified length.		
4		4. A program that calculates the average of a list of numbers.		
5		5. A program that checks if a given year is a leap year.		
6	1	6. A program that calculates the factorial of a number.		
7		7. A program that checks if a given string is a palindrome.		
8		8. A program that sorts a list of numbers in ascending or descending order.		
9		9. A program that generates a multiplication table for a given number.		
10		10. A program that converts a given number from one base to another.		
11		1. A program that models a bank account, with classes for the account, the customer,		
12		and the bank.		
13		2. A program that simulates a school management system, with classes for the		
14	2	students, the teachers, and the courses.		
15		3. A program that reads a text file and counts the number of words in it.		
16		4. A program that reads a CSV file and calculates the average of the values in a specified column.		
17		5. A program that reads an Excel file and prints the data in a tabular format		



18		1. A program that creates a simple web server and serves a static HTML page.
19		2. A program that creates a web application that allows users to register and login.
20	3	3. A program that creates a web application that allows users to upload and download files.
21		4. A program that creates a web application that displays data from a database in a tabular format.
22		5. A program that creates a web application that accepts user input and sends it to a server-side script for processing.
23	4	1. A program that creates a web application that uses a template engine to generate dynamicHTML pages.
24		2. A program that creates a web application that supports AJAX requests and updates the page without reloading.
25		3. A program that creates a web application that uses Django's built-in debugging features to troubleshoot errors and
26		exceptions

25		3. A program that creates a web application that uses Django's built-in debugging features to troubleshoot errors and
26		exceptions.
27		4. A program that creates a web application that implements user authentication and authorization.
28		5. A program that creates a web application that integrates with third-party APIs to provide additional functionality.
29		1. A program that creates a simple RESTful API that returns a list of users in JSON format.
30	5	2. A program that creates a RESTful API that allows users to create, read, update, and delete resources.
31		3. A program that creates a RESTful API that authenticates users using a JSON Web Token.
32		4. A program that creates a RESTful API that paginates the results of a query to improve
33		performance. 5. A program that creates a RESTful API that supports data validation and error handling



	Competitive Coding-303105259			
Srno	Lab No			
		Planning Description		
1	1	Write a program for implementing a MINSTACK which should support		
		operations like push, pop, overflow, underflow,		
		display		
		Construct a stack of N-capacity		
		Push elements		
		Pop elements		
		Top element		
2		Retrieve the min element from the stack		
2	2	Write a program to deal with real-world situations where Stack data structure is widely used		
		Evaluation of expression: Stacks are used to evaluate expressions, especially in		
		languages that use postfix or prefix notation.		
		Operators and operands are pushed onto the stack, and operations are performed		
		based on the LIFO principle.		
3	3	Write a program for finding NGE NEXT GREATER ELEMENT from an array.		
4	_	Write a program to design a circular queue(k) which Should implement the below		
4	4	functions		
		Enqueue		
		Dequeue		
		Front		
		Rear		
5	5	Write a Program for an infix expression, and convert it to postfix notation. Use a		
		queue to implement the Shunting Yard		
		Algorithm for expression conversion.		
6	6	Write a Program for finding the Product of the three largest Distinct Elements.		
		Use a Priority Queue to efficiently find and		
		remove the largest elements.		
7	7	Write a Program to Merge two linked lists(sorted).		
8	8	Write a Program to find the Merge point of two linked lists(sorted).		
9	9	Write a Program to Swap Nodes pairwise.		
10	10	Write a Program for Building a Function ISVALID to VALIDATE BST.		
11	11	Write a Program to Build BST.		
12	12	Write a Program to determine the depth of a given Tree by Implementing		
		MAXDEPTH.		
13	13	Write a Program to Understand and implement Tree traversals i.e. Pre-Order Post-		
		Order, In-Order.		
14	14	Write a Program to perform Boundary Traversal on BST.		
15	15	Write a program for Lowest Common Ancestors.		
16	16	Write a Program to verify and validate mirrored trees or not.		
17	17	Write a Program for a basic hash function in a programming language of your		
		choice. Demonstrate its usage to store and		
10	10	retrieve key-value pairs Implement a heab table using separate chaining for collision handling. Perform		
18	18	Implement a hash table using separate chaining for collision handling. Perform		
		operations like insertion, deletion, and search on the hash table.		
19	19	Write a Program to Implement Two sums using HASHMAP.		
20	20	Write a Program to Implement Two sums using TIASTIWAY. Write a Program to Implement Search, insert, and Remove in Trie.		
21	21	Write a Program to Implement Search, insert, and Remove in The. Write a Program to Implement Huffman coding.		
22	22	Write a Program to Implement Hurrhan coding. Write a Program to find Distinct substrings in a string.		
		1100 a 1 10gram to time Distinct substituigs in a stillig.		



23	23	Write a Program to find The No of Words in a Trie.
24	24	Write a Program to view a tree from left View.
25	25	Write a Program to Traverse a Tree using Level Order Traversal.

PROBABILITY, STATISTICS AND NUMERICAL METHOD (303191251)

ROBABILITY, STATISTICS AND NUMERICAL METHOD (30319125	51)
Name of Topic	Hrs. Allotted
Correlation, Regression and Curve Fitting:	11
Correlation, and Regression- Rank Correlation	4
Curve fitting by the method of Least square- fittingof Straight line	4
Second degree parabola and more general curve	3
Probability and Probability distributions	13
Probability spaces and conditional probability	2
Baye's Rule	1
Discrete and continuous Random Variables	2
Independent Random Variables	2
Expectation and Variance of discrete and Continuous random variable	2
Probability Distribution and their Properties	1
Binomial Distribution, Poisson distribution	2
Normal Distribution	1
Solution of a System of Linear Equations and Roots of Algebraic and Transcendental Equations	7
Gauss-Jacobi and Gauss Seidel methods	2
Bisection and false position method to solve	3
Newton-Raphson methods, Rate of convergence	2
Finite Differences and Interpolation	7
Finite Differences, Relation between operators	2
Interpolation- Newton's forward &Backward interpolation	2
	Correlation, Regression and Curve Fitting: Correlation, and Regression- Rank Correlation Curve fitting by the method of Least square- fittingof Straight line Second degree parabola and more general curve Probability and Probability distributions Probability spaces and conditional probability Baye's Rule Discrete and continuous Random Variables Independent Random Variables Expectation and Variance of discrete and Continuous random variable Probability Distribution and their Properties Binomial Distribution, Poisson distribution Normal Distribution Solution of a System of Linear Equations and Roots of Algebraic and Transcendental Equations Gauss-Jacobi and Gauss Seidel methods Bisection and false position method to solve algebraic and transcendental equations. Newton-Raphson methods, Rate of convergence Finite Differences and Interpolation Finite Differences, Relation between operators



4.3	Newton's divided difference and Lagrange's formula for unequal intervals	3
5	Numerical Integration and Numerical solution of Ordinary Differential Equations	7
5.1	Trapezoidal and Simpson's formulae	2
5.2	Gaussian quadrature formulae	1
5.3	Taylor series method	1
5.4	Euler method and Euler's Modified Methods	1
5.5	Runge-Kutta method of order two & four	2
6	Testing Of Hypothesis	15
6.1	Test of significance: Large Sample test for single proportion, difference of proportion	2
6.2	Single Mean, Difference of Means	2
6.3	Difference of Standard Deviations	2
6.4	Test for single mean, Difference of Means	2
6.5	Test for Ratio of variances	2
6.6	Chi-square test for goodness of fit	3
6.7	Independence of attributes	2

4TH SEMESTER LESSON PLAN (2024-25)

Career Development Cell

PROFESSIONAL GROOMING & PERSONALITY DEVELOPMENT (203193252)

SR				Total
NO.	TOPICS		HOURS	Hours
		Career Planning	1	
		Conflict Management	1	
		Leadership	1	
1	Self Development and Assessment	Professional Development	1	4
	Listening Skills- Inquiry Based Listening	Listening Skills- Inquiry Based Listening		
2	Questions	Questions	1	1
	Public Speaking: Theory	Public Speaking: Theory	1	
		MOCK Round	1	
		Speaking Test	1	
3		Speaking Test	1	4



		Telephonic etiquettes	1	
		Etiquettes for foreign business trip	1	
		How to say NO	1	
4	Corporate Etiquette	Etiquettes for small talk	1	4
	Reading Skills Activity & Reading	Reading comprehension Theory	1	
5	Comprehension:	Reading test	1	4

Total Hours 15



Details of Value-added courses and Professional courses

- 1. Value added course on Cloud computing
- 2. Value added course on Block chain

Student Chapter / Council Details and Planned Activity

Sr No.	Student Chapter	POC	Contact No.
1.	AWS Academy	Prof. Garima Sharma	8319303225

Co-curricular and extra-curricular events during the semester

Sr No.	Events
1.	NCC

Details of visits planned during semester

- 1. Industrial Visit @ E-infochip, Ahmedabad in February 2024
- 2. Industrial Visit @ Rishbh Infotech, vadodara in March 2024
- 3. Industrial Visit @ TOPS Technology, Ahemdabad in March 2024

Details of expert talk during the semester

- 1. Days Hands-on Workshop on Machine Learning in March 2024
- 2. 2 Days Hands-on Workshop on Cloud Computing in April 2024



Flagship Events of Concerned Institute, Faculty and University

Sr No.	Events
1.	Tech Expo
2.	PICET
3.	PU Code Hackethone
3.	Projection

Prominent academic competition (Outside PU)

Sr No.	Events	
1.	SIH(Smart Hacktheron)	India

Coordinators of Various Committee (Anti Ragging, WDC, ICC, Office of International Affairs, Centre of International Relations and Research, PIERC, Scholarship, PUMIS, Mentoring etc.)

Committee	Coordinator	Contact no.	Email Address
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Ranker List of Last Semester Result with SPI

Rank No.	Enrollment No	Name of Students	
1	2303031050247	KHEDUVORA ABDULSAMAD HUSENBHAI	9.4
2	2303031050095	BHAVSAR JEET CHETANKUMAR	9.35
3	2303031050356	NISHA KHANDELWAL	9.35

Interaction of Various Media Platforms

Platforms	Links
Facebook	https://www.facebook.com/ParulUniversity
Instagram	https://www.instagram.com/paruluniversity/?hl=en
Linkedin	https://in.linkedin.com/school/paruluniversity/
Youtube	https://www.youtube.com/channel/U CeXQgKg0qhTKbNRi5hpIL9A
Dean Sir's WhatsApp channel	https://whatsapp.com/channel/0029VaAvUeYC6ZvoQ8cy ox0x
MOOC Course- CN-Swayam NPTEL	https://onlinecourses.nptel.ac.in/noc22_cs19/preview