

Additional Information for QIM 1.1.1-The Institution ensures effective curriculum delivery through a well-planned and documented process.

Sample evidence for following methodologies-

1. **Curriculum Planning**-Sample documents for Curriculum planning as per all 5 stages
2. **Dissemination of AAP**-Presentation prepared for Induction program for students
3. **Curriculum Delivery**-Sample evidence for curriculum delivery with BSA
4. **Structured and Periodic monitoring**-Sample document for monitoring
5. **Monitoring effectiveness of student learning**-Sample document of continuous evaluation
6. **Feedback and Takeaway**- Sample document for following process
 - Students' feedback
 - Academic Review Process
 - Result Analysis

General Guidelines for conducting Academic & examination Activities

All the principals of the affiliated colleges in Engineering are hereby informed that the Detailed Schedule of the Term of Undergraduate (BE) in Engineering programs for Academic year 2021 – 22 will be as under: -

Reference: Mumbai University Circular No. AAMS(UG)/34 of 2021-22 dated 6th August, 2021

Sr. No	Particular	ODD Semester Second Half 2021	Particular	Even Semester First Half 2022
1.	Working days for all courses TE and BE	12 th July 2021 to 23 rd October 2021	Working days for all courses SE, TE, BE	10 th January 2022 to 23 rd April 2022
2.	Conducting Oral/Practical Examination TE, BE	25 th October 2021 to 13 th November 2021	Conducting Oral/Practical Examination SE, TE, BE	25 th April 2022 to 5 th May 2022
3.	Theory Examination TE, BE (SEM V and VII)	22 nd November 2021 to 4 th December 2021	Theory Examination SE, TE, BE (SEM IV, VI, VIII)	9 th May 2022 to 21 st May 2022
4.	Theory Examination TE, BE (SEM VI and VIII)	7 th December 2021 to 22 nd December 2021	Theory Examination SE, TE, BE (SEM III, V, VII)	23 rd May 2022 to 4 th June 2022
5.	Commencement of New Term	10th January 2022	Commencement of New Term	4th July 2022

Sr. No	Particular	ODD Semester Second Half 2020
1.	Working days for all courses SE	23 rd August to 11 th December 2021
2.	Conducting Oral/Practical Examination SE	13 th December to 18 th December 2021
3.	Theory Examination SE (SEM III)	23 rd December 2021 to 4 th January 2022
4.	Theory Examination SE (SEM IV)	24 th December 2021 to 5 th January 2022
5.	Commencement of New Term	10th January 2022

- All Faculty should be available for examination and assessment duties as required. All colleges should conduct Internal Assessment Test I & II on completion of approximately 40% and 70% of syllabus respectively



Dr. S. K. Ukarande

Associate Dean, Faculty of Science & Technology
University of Mumbai

Date: 17/08/2021

General Guidelines for Conducting Academic & examination Activities

All the principals of the affiliated colleges in Engineering are hereby informed that the Detailed Schedule of the **First Year Undergraduate (FE Sem I and II) and Postgraduate (ME Sem I and II) in Engineering programs** for Academic year 2021 – 22 will be as under: -

First Year and Undergraduate (FE) and Postgraduate (ME) in Engineering Programs

Sr. No	Particular	ODD Semester (11 week)	Particular	Even Semester (12 weeks)
1.	Working days for all courses First Year (FE Semester I) Undergraduate and Post Graduate (ME Semester I) Engineering (67 Working Days) 67 x 1.44* = 96.48 @ 96 days	7 th December 2021 to 25 th February 2022	Working days for all courses First Year (FE Semester II) Undergraduate and Post Graduate (ME Semester II) Engineering (67 Working Days) 67 x 1.44* = 96.48 @ 96 Days	21 st March 2022 to 11 th June 2022
2.	Oral / Practical Examination	26 th February 2022 to 5 th March 2022	Oral Practical Examination	13 th June 2022 to 18 th June 2022
3.	Theory Examination of FE Semester I and ME Semester I	7 th March 2022 to 16 th March 2022	Theory Examination of FE Semester II ME Semester II and FE Semester I and ME Semester I	20 th June 2022 to 1 th July 2022
4.	Commencement of FE Semester II and ME Semester II	21 th March 2022	Commencement of Next AY	11 th July 2022

*As mentioned in arrangement of academic terms for FE / ME.



Dr. S. K. Ukarande

Associate Dean

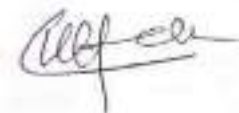
Faculty of Science and Technology University of Mumbai

General Guidelines for Conducting Academic & examination Activities

All the principals of the affiliated colleges in Engineering are hereby informed that the Detailed Schedule of **Direct Second Year Undergraduate (DSE Sem III and Sem IV) in Engineering programs** for Academic year 2021 – 22 will be as under: -

Direct Second Year Undergraduate (DSE) in Engineering Programs Semester III and IV

Sr. No	Particular	ODD Semester	Particular	Even Semester
1.	Working days for all courses Direct Second Year (DSE Semester III) Undergraduate Engineering*	6 th December 2021 to 29 th January 2022	Working days for all courses Of DSE	10 th January 2022 to 30 th April 2022
2.	Oral Practical Examination of Semester III of DSE	31 st January 2022 to 5 th February 2022	Conducting Oral/Practical Examination Of DSE	2 nd May 2022 to 12 th May 2022
3.	Theory Examination of Semester III of DSE	8 th February 2022 to 16 th February 2022	Theory Examination Of DSE	16 th May 2022 to 28 th May 2022
4.			Theory Examination Of DSE	30 th May 2022 to 11 th June 2022
5.			Commencement of New Term	11th July 2022



Dr. S. K. Ukarande
Associate Dean

Faculty of Science and Technology University of Mumbai

Sr. No.	Activity	Date	Owner
1.	Project Group Formation	June 2022	FYPQA Committee
2.	Domain and/or guide preference by project groups	June 2022	FYPQA Committee
3.	Final Guide allocation for Project groups	June 2022	FYPQA Committee
4.	Summer Internship	June-July 2022	FYPQA Committee
5.	D1/D2 Meeting	2 nd Week July 2022	Head of the Department
6.	SDP-Skill Set Development	16 th July 2022	Academic Enrichment Committee
7.	Read for success	3 rd week July 2022	Library committee
8.	R and D Activity-Technical Talk and Paper Presentation	3 rd week July 2022	R and D Committee
9.	SDP-Skill Set Development	16 July 2022	Academic Enrichment Committee
10.	D1/D2 Meeting	4 th Week July 2022	Head of the Department
11.	SDP-Skill Set Development	23 rd July 2022	Academic Enrichment Committee
12.	SDP-Skill Set Development	30 th July 2022	Academic Enrichment Committee
13.	Project Idea Approval (Department Review 1)	August 2022	FYPQA Committee
14.	R and D Activity- Technical Talk and Book Review	1 st week August 2022	R and D Committee
15.	SDP-Skill Set Development	6 th August 2022	Academic Enrichment Committee
16.	D1/D2 Meeting	2 nd Week August 2022	Head of the Department
17.	SDP-Skill Set Development	13 th August 2022	Academic Enrichment Committee
18.	R and D Activity- Technical Talk and Paper Presentation	3 rd week August 2022	R and D Committee
19.	EESA Activity-Seminar	27 th August 2022	EESA Committee
20.	SDP-Skill Set Development	27 th August 2022	Academic Enrichment Committee
21.	Financial Freedom by Mr. Ankur Warikoo	August 2022	Fintech Committee
22.	D1/D2 Meeting	4 th Week August 2022	Head of the Department
23.	SDP-Skill Set Development	27 th August 2022	Academic Enrichment Committee
24.	How to invest money by Mr. Vishal Chaudhary	September 2022	Fintech Committee
25.	SDP-Skill Set Development	3 rd September 2022	Academic Enrichment Committee
26.	R and D Activity- Technical Talk and Book Review	1 st week September 2022	R and D Committee
27.	D1/D2 Meeting	2 nd Week September 2022	Head of the Department

Technical Activity
Administrative Activity
Cocurricular/extracurricular Activity

Sr. No.	Activity	Date	Owner
28.	SDP-Skill Set Development	10 th September 2022	Academic Enrichment Committee
29.	R and D Activity- Technical Talk and Paper Presentation	3 rd week September 2022	R and D Committee
30.	SDP-Skill Set Development	17 th September 2022	Academic Enrichment Committee
31.	D1/D2 Meeting	4 th Week September 2022	Head of the Department
32.	SDP-Skill Set Development	24 th September 2022	Academic Enrichment Committee
33.	Department level Review 2	October 2022	FYPQA Committee
34.	IEEE DAY 2022	4 th October 2022	IEEE Committee
35.	R and D Activity- Technical Talk and Book Review	1 st week October 2022	R and D Committee
36.	DIY Workshop	8 th October 2022	EESA Committee
37.	D1/D2 Meeting	2 nd Week October 2022	Head of the Department
38.	R and D Activity- Technical Talk and Paper Presentation	3 rd week October 2022	R and D Committee
39.	Xtreme 14.0- An online coding competition for 24 hrs.	25 th October – 26 th October 2022	IEEE Committee
40.	D1/D2 Meeting	4 th Week October 2022	Head of the Department

Technical Activity

Administrative Activity

Cocurricular/extracurricular Activity

Date: 29/07/2022

Time: 3:00pm

Chaired by: Cluster Mentor-Prof. Pranita Padhye

Attendees: Prof. Santosh Jagtap, Prof. Sheetal Patil, Prof. Rakshak Sood, Prof. Pratik Mhatre

Subjects Under Cluster (Odd Semester): Digital Communication (T.E. Electronics Engineering and Electronics and Telecommunication Engineering)

The following points were discussed: -

- The Practical list for the subject and platform for the same is discussed in detail
- Prof. Rakshak Sood, Prof. Sheetal Patil suggested some BSA activities to be conducted during semester.
- The various activities which were decided to be conducted are Pop Quiz, Poster Presentation with student's presentation (Topics of the syllabus), Guest Lecture
- Prof. Santosh Jagtap suggested the tool of circuit simulation in the newer version of MATLAB which can be used for practical performance.
- Prof. Pratik Mhatre suggested to perform practicals by using combination of MATLAB, Circuit simulation, Simulink, and laboratory kits.
- Prof. Pranita Padhye suggested to keep the list of 10 practicals ready for the conduction of practicals that may be the combination of hardware and software.



Pranita Padhye

Assistant Professor

Department of Electronics Engineering

Email id:- pranita.padhye@vit.edu.in

- ✓ In the industry from 1996 to 1998.
- ✓ In the Teaching field since 1998....
- ✓ Masters in Electronics and Telecommunication....



ADVANCED NETWORKING TECHNOLOGIES (ANT)

SEMESTER 7-DEPARTMENT LEVEL ELECTIVE SUBJECT

PREREQUISITES.....

- **COMPUTER COMMUNICATION NETWORKS !!!!!**

.....ALL BASICS WILL BE COVERED IN THE ANT LECTURES



WHY TO STUDY-ADVANCED NETWORKING TECHNOLOGIES?

To understand the state-of-the-art in Network protocols,
Architectures and applications

SUBJECT TOUR

- 1) WLAN, WAN-ATM
- 2) WPAN, WSN
- 3) Optical NETWORKS-SONET/SDH and DWDM
- 4) Network design, network security and management
- 5) Internet protocols- RIP, OSPF, BGP
- 6) Cloud Computing

IN SHORT.....

SO TOTAL 10 TECHNOLOGIES AND 4 PARAMETERS IN
THE SYLLABUS...



ANT PRACTICAL

- REQUIRED SOFTWARE

-----CISCO PACKET TRACER- OPEN-SOURCE SOFTWARE SIMULATOR

TOTAL 8 EXPERIMENTS WITH ONE CASE STUDY

THE DEMO OF EACH PRACTICAL WILL BE SHOWN TO YOU IN THE PRACTICAL SLOT

TEACHING METHODOLOGIES



Quizzes

Crosswords

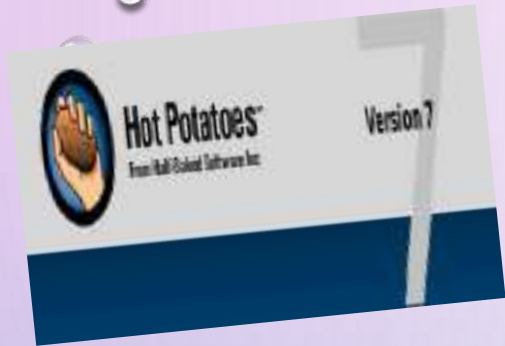
**Research
papers**

Simulations

**Games/
Puzzles**

**Interview
questions**

TEACHING WITH QUIZ/GAME



SKILLS ACQUIRED AND OPPORTUNITIES

Skills Acquired

- Basic Networking Devices
- Routing Protocols Analysis
- Network Security Measures
- Network Management Tools
- Optical Networking Base

Opportunities in the Market- 120% hike in networking

- System Auditor
- Cybersecurity Manager
- Security Architect- 18000 openings
- Ethical Hackers
- Chief Information Security Officer
- Network Administrator

WHY TO JOIN MY TEAM?

- 12 YEARS OF SUBJECT TEACHING EXPERIENCE
- THOROUGH EXPLANATION OF ALL CONCEPTS
- DOUBT SOLVING SESSIONS WHENEVER REQUIRED
- CAREER COUNSELLING FOR NETWORKING DOMAIN
- INTERACTIVE SESSIONS WITH MEANINGFUL ACTIVITIES
- HANDS-ON EXPERIENCE IN PRACTICAL SESSIONS
- SYSTEMATIC TEACHING WITH DRAIN-FREE APPROACH
- REGULAR PRACTICE ON IMPORTANT TOPICS

MS TEAM CLASS CODE

Team Name: **ETRX_Sem7_ANT_Pranita Padhye-odd 21-22**

To Join Enter code:
mpgnitl

Be Sure
with
Pranita
Padhye

WITH THIS CODE DIVE INTO THE CLASSROOM WHERE
FRUITFUL LEARNING HAPPENS WITH LOTS OF FUN



WELCOME TO FINAL YEAR AND ONLINE SESSIONS

Name of the Activity	Department level Elective Orientation Programme for the students of T.E. Electronics Engineering.
Objective	<p>The objective of the activity is</p> <ul style="list-style-type: none"> • To introduce students to the Department level Elective course-I for semester 5. • To make them aware about the current trends in Industries • To introduce the students about different carrier opportunities in the respective fields of the subjects.
Activity	<ul style="list-style-type: none"> • Date: 01/06/2022 • Day: Wednesday • Time: 11.00am to 12.00pm
Venue	Online on MS -Teams
Details	<p>The Department Level Elective Orientation was Coordinated and hosted by Department Coordinator by Prof. Pranita Padhye.</p> <p>Subject orientation Following faculty members gave orientation for Department Level elective courses.</p> <p>Department Optional Course - I (ELDO 501)</p> <ol style="list-style-type: none"> 1. Data Structures-Prof. Sachin Deshpande 2. Biomedical Instrumentation- Prof. Arunkumar Ram 3. Neural Network and Fuzzy Logic- Prof. Anuradha Joshi 4. Computer Organization Architecture- Prof. Dr. Arun Chavan <p>Each elective subject was discussed in detail with its importance, real life applications, current trends, carrier opportunities, etc. by the respective faculty members Total 79 students attended the session</p> <p>The session ended with the Thanksgiving.</p>

Glimpses		
		

HOD ETRX

Prof. Dr. Arun Chavan

Department Coordinator

Prof. Pranita Padhye

The academic resources available in VIT –

VMIS (ERP)	V-Refer and V-Live	VIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All textbooks, reference books, e -books mentioned in the syllabus & AAP	Watch former lectures captured in LMS at VIT
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VIT library is member of IIT Bombay Library	

1.a Course Objectives (write in detail – as per NBA guidelines)

Cognitive	What do you want students to know?	The fundamentals terms and devices of the wireless networking and the knowledge of standard technologies in networking.
Affective	What do you want students to think / care about?	The recent trends in wireless networking, network management and network security
Behavioural	What do you want students to be able to do?	Students should be able to understand the upcoming trends in wireless networking

Advice to Students:

Attend every class!!! Missing even one class can have a substantial effect on your ability to understand the course. Be prepared to think and concentrate, in the class and outside. I will try to make the class very interactive. Participate in the class discussions. Ask questions when you don't understand something. Keep up with the class readings. Start assignments and homework early. Meet me in office hour to discuss ideas, solutions or to check if what you understand is correct. The v-Refer Link for this course _____.

Collaboration Policy:

We encourage discussion between students regarding the course material. However, no discussion of any sort is allowed with anyone on the assignment and homework for the class. If you find solution to some problems in a book or on the internet, you may use their idea for the solution; provided you acknowledge the source (name and page in the book or the website, if the idea is

found on the internet). Even though you are allowed to use ideas from another source, you must write the solution in your own words. If you are unsure whether or not certain kinds of collaboration is possible, please ask the teacher.

1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)

CO No.	Statements	Related Module/s
CO1	Appreciate the need for Wireless networks and study the IEEE 802.11 Standards	Module 1
CO2	Understand the features of emerging wireless Networks	Module 2
CO3	Analyse the importance of Optical networking, network design, network security and management	Module 3, Module 4
CO4	Understand the concept of Internet routing, Cloud Computing and its applications	Module 5, Module 6
CO5		

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)
(List of POs is available in V-refer)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	W	W	-	-	W	W	-	M	W	-	-	W
CO 2		W		W		W	-	W	W	W	-	W
CO 3	W	-	M	W	-	-	S	W	W	W	W	W
CO 4		-	M	-	M		W	W	W	-	W	-
CO 5												

1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	-	W	-	NA
CO 2	M	M	-	NA
CO 3	-	M	-	NA
CO 4	S	-	-	NA
CO 5				

1.e Teaching and Examination Scheme (As specified by the University) for the Course

Categories	Mathematics	Basic Science & General Engg.	Humanities & Soft Skill	Core Engg./ Technology - Design & Analysis	Multidisciplinary
Tick suitable category					√

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
ELXDLO7032	Advanced Networking Technologies	4	2	--	4	--	--	04
ELXLDLO7032	Advanced Networking Technologies Laboratory	-	2	--	0	01	--	01

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Average of IA1 and IA2					
ELXDLO7032	Advanced Networking Technologies	20	20	20	80	--	--	--	100
ELXLDLO7032	Advanced Networking Technologies Laboratory	--	--	--	--	25	--	25	50

1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
A and B	PP	PP	--	--	--	--	--	--	--

1.g Office Hours (Faculty will be available in office in this duration for solving students' query)

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
A	Thursday	4.00 to 4.30pm	On MS teams
B	Wednesday	3.00 to 3.30pm	

2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Wireless LAN and WAN technologies	06	15%
2	Emerging Wireless Technologies	08	20%
3	Optical Networking	06	15%
4	Network Design, Security and Management	06	20%
5	Routing in the Internet	06	15%
6	Cloud computing	04	15%
Total		36	100%

2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	IV	ELX405-Principles of Communication Engineering	Frequency Spectrum
2	VI	ELX602-Computer Communication Network	Routing Protocols
3	VI	ELXDLO2-Wireless Communication	Networking Architecture

2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	VIII	Internet of Things

2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
1	E-Commerce (TCP/UDP)
2	News Groups (SNMP)
3	Internet Telephony (VoIP)

3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Dec-2020	Dec 2019	Dec 2018	Dec 2017
Course Passing % – Average of 3 Divisions	100%	98.7%	--	--
Marks Obtained by Course Topper (mark/100)	85	82	--	--

Year	Division A		Division B		Division C	
	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Dec 2020	PP	100%	PP	100%	--	--
Dec 2019	PP	99.6%	PP	97.7%	--	--
Dec 2018	--	--	--	--	--	--

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Optical Networking	3	Quiz/Take home test

4 All the Learning Resources – Books and E-Resources

4.a List of Textbooks (T – Symbol for Textbooks) to be Referred by Students

Sr. No	Textbook Titles	Author/s	Publisher	Edition	Module Nos.
1	Data Network Design	Darren Spohn	McGraw Hill	Third	2 to 6
2	Data Communication and Network Security	Carr and Snyder	McGraw Hill	Fourth	5
3	Wireless communication and Networking	Vijay Garg	ELSEVIER Inc	Second	1
4	Information Security	Mark Stamp and Deven Shah	Wiley Publications.	Second	5
5	Data communications and Networking	Behrouz A Forouzan	McGraw-Hill	Fourth	3 and 4

4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students




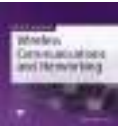
Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Data Computer Communications	William Stallings	Pearson Education	Second	1 to 5
2	Communication Networks	Leon-Garcia and Indra Widjaja	Tata McGraw- Hill	Third	1 to 4
3	Data Networks	D. Bertsekas and Gallager	Prentice-Hall of India	Second	5,6
4	Next Generation wireless LANS	Eldad Perahita	Cambridge Publication	Second	1 to 3

4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	SDH/SONET : Functional Model	Huub Van Helvroot	Wiley Publication	Fourth	2
2	Firewall Complete	Marcus Goncalves	McGraw-Hill	Second	5
3	Networks for computer scientists and engineers	Youlu Zheng	Oxford	Third	3,4,6
4	Computer Networks	Natalia olifer Victor olifer	Wiley- Publication	Second	1

4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	 IEEE Wireless Networks	 Wireless Networks: The Journal of Mobile Communication, Computation and Information	3,4,5,6
2	 IEEE Magazine for global internetworking	 EURASIP Journal of wireless communication and Networking	All modules
3	Network Security http://download.cnet.com/MIB-Browser/3000-2085_4-10504160.html	Network Management http://www.dpstele.com/white-papers/snmp-tutorial/snmp_tutorial_video.php (Network Management)	All modules

4.e Module Best Available in - Tick ONE best resource [from 4.a to 4.d in this AAP] & give details

Module No.	Category (Please Tick Mark) - √						Available In VIT Library?		Details of the Resource (i.e., Name, Chapter & Page No., etc.)
	Book			Magazine	Journals		Y	N	
	Text	Reference	E-Book		Regular	E-Journal			
1	T3	-	E4				√	-	Chapter 19 Pg. no. 653 to 674
2	T1	-	E1				√	-	Chapter 5 Pg. no. 179 to 202
3	T1	-	E3				√	-	Chapter 8 Pg. no. 291 to 378
4	T1	-	E3				√	-	Chapter 16 Pg. no. 619 to 643
5	T1	-	E2				√	-	Chapter 18 Pg. no. 675 to 705
6	T1	-	E3				√	-	Chapter 19 Pg. no. 707 to 740

4.f Web Links for Online Notes/YouTube/VIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	www.cisco.net (Cisco packet tracer)	2,3,4
2	www.cisco.netacad.net (Protocols)	4,5
3	www.mtt.org (Data Networks)	6

4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	https://www.coursera.org/specializations/computer-communications	University of Colorado System (On Coursera)	5 Weeks	Y
2	https://www.coursera.org/learn/computer-networking	Google (On Coursera)	6 Weeks	Y

4.h Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value-Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	Introduction to cloud computing https://www.udemy.com/introduction-cloud-computing/	UDEMY	2.5 hrs	N
2	Introduction to Cisco Packet Tracer https://www.netacad.com/courses/packet-tracer/introduction-packet-tracer	Cisco Networking Academy	10 hrs.	Y

4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Practical flip book

5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	13-07-2021	15-10-2021	10

Week	Lecture Topic	Lecture No	Lecture No	Lecture No	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Actual date of	COs	Recommended Prior Viewing / Reading
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				Completion		Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1,2	1	Introduction to Wireless networks: Infrastructure networks, Ad-hoc networks	28/7/21	CO1		T5-Chapter 3 pg No. 172 to 205
	3	1	IEEE 802.11 architecture and services Kahoot Game and Quiz				
2	4, 5	1	Medium Access Control sub-layers, CSMA/CA, Physical Layer, 802.11 Security considerations	04/8/21	CO1		T1-Chapter 8 Pg. no. 291 to 378
	6	1	Asynchronous Transfer Mode (ATM): Architecture, ATM logical connections, ATM Cells Quiz and YouTube video	11/08/21	CO1		
3	7,8	2	WPAN 802.15.1 architecture, Bluetooth Protocol Stack, Bluetooth Link Types	18/8/21	CO2		T4-Chapter 19 Pg. no. 653 to 674
	9	2	Bluetooth Security, Network Connection Establishment in Bluetooth Quiz and Quizlet Game				
4	10,11	2	Topology in Bluetooth, Bluetooth Usage Models	18/8/21	CO2		T4-Chapter 19 Pg. no. 653 to 674
	12	2	802.15.3- Ultra Wide Band, 802.15.4- Zigbee RFID TAKE HOME TEST				
5	13,14	2	Wireless Sensor Networks: Introduction and Applications, Wireless Sensor Network Model, Sensor Network Protocol Stack	25/8/21	CO2		T1-Chapter 5 Pg. no. 179 to 202
	15	3	SONET/SDH, Architecture, Signal, SONET devices, connections Quiz and YouTube Video				
6			INTERNAL ASSESSMENT - 1				
7	16,17	3	SONET layers, SONET frames, STS Multiplexing, SONET Networks	08/9/21	CO3		T1-Chapter 5 Pg no 179 to 202
	18	3	DWDM: Frame format, DWDM architecture Optical Amplifier Quiz and Quizlet Game				
8	19,20	3	GUEST LEC	--			
	21	4	3 tier Network design layers: Application layer, Access layer	22/9/21	CO3		T1-Chapter 16 Pg. no. 619 to 643
9	22,23	4	Backbone layers, Ubiquitous computing and Hierarchical computing		CO3		
	24	4	Network Security: Security goal, Security threats	CO3		T1-Chapter 18 Pg. no. 675 to 705	
10	25,26	4	security safeguards, firewall types and design	22/9/21	CO3		
	27	4	Network management definitions, functional areas (FCAPS), SNMP, RMON Quiz and Youtube Video		CO3		T1-Chapter 19 Pg. no. 707 to 740
11	28,29	5	Intra and inter domain Routing, Unicast		CO4		R1-Chapter 3

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Actual date of Completion	COs	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
12	30	5	Routing Protocols, RIP, OSPF BGP protocols working. Quiz and Class Test	29/09/21	CO4		Pg No. 155-192
	31,32	5	Multicast Routing Protocols, Drawbacks of traditional Routing methods		CO4		
	33	6	Cloud Computing Evolution, Definition, SPI framework of Cloud Computing Quiz and YouTube Video		CO4		R5-Chapter 10 Pg no. 345 -410
13	34,35	6	Cloud deployment models, key drivers to adoption of cloud, impact of cloud computing on users, examples of cloud service providers: Amazon, Google, Microsoft, Sales force etc	13/10/21	CO4		
	36	6	REVISION TEST	--			

6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments OR VAC	Tutorial	Lab / Practical Performance	Lab Journal Assessment with Certificate	Revision Test (Other than IA)	Other (1) specify	Other (2) specify	Total
05	05	--	05	05	05	--	--	25

7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment/ Tutorial No.	Title of the Assignments / Tutorials	CO Map	Assignment/ Tuts given to Students on	Date of Submission
1	WPAN and WLAN (online certification Quiz)	CO1, CO2	3 rd Week	Next Week
2	Network Design and Network Security (Infographics/Poster)	CO3	6 th Week	Next Week
3	Optical Networks and Cloud Computing model	CO3, CO4	9 th Week	Next Week
4	POP Quiz-1(Module 1,2,3) POP Quiz-2 (Module 4,5,6)	CO1, CO2, CO3, CO4	4 th and 10 th Week	Same Day

Analysis of Assignment / Tutorial Questions and Related Resources

Assignment / Tutorial No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	PQ	OBT		Textbook	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	4 th Week	✓			2	T3		--	✓	
2	6 th Week	✓			3 and 4	T1 and T2		E1	✓	
3	9 th Week		✓		5		R1			✓
4	12 th Week			✓	4,5,6	T1, T2, T3		--	✓	

* Tick (✓) the Type of the Assignment: Regular (R); Pop Quiz (PQ) ; Open Book Test for TE/BE/ME (OBT)

Write number for text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

8. Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 st IA Test		1,2,3	CO1, CO2	Q1 – MCQ - 10 Marks Q2 – 1 numerical 5 Marks Q3 – 1 numerical 5 Marks 20 marks each for IA 1 & 2	No IA Re-test
2 nd IA Test		4,5,6	CO3, CO4		IA is a Head of passing *
Quizzes	Every Week	1,2,3 4,5,6	CO1, CO2, CO3, CO4	MCQs	Marks will be considered in TW
Open Book Test	Revision Test- Last Week	4,5,6	CO1, CO3, CO4	4 university Questions	Marks will be considered in TW
Take Home Test	Take Home Test	3	CO3	Questions based on Routing Protocols	Marks will be considered in TW

* Failures of IA test (IA1+IA2) shall appear for IA test in the next semester. There is no provision for re-test in the same semester.

9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the Regular Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
---------------	------------	---	----------------------------	--------	-------------------------------

1	1, 2	Scenario Based Experiment	Basics of Networking	CO1, CO2	3
2	4	VLAN on Packet Tracer	Virtual LAN	CO3	4
3	5	Distance vector Routing protocol	Internet routing	CO3	4
4	5	Link State Routing Protocol	Internet routing	CO3	4
5	4	NAT implementation on packet Tracer	Internet Security	CO2	4
6	4	SNMP on Packet Tracer	Network Management	CO2	4
7	6	Servers on Packet Tracer	Network Design	CO4	3
8	3	TELNET Implementation	Optical Networking	CO3	4
9	3	Case study: Latest Trends in Networking	Optical Networking	CO3	3

9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the Newly Added Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	2	Servers on Packet Tracer	IP Addresses	CO2	4
2	5	TELNET Implementation	Basics of Networking	CO1, CO2	4

9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the PBL Experiments	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	4	Distance vector Routing protocol	Network Security	CO3	4
2	5	Link State Routing Protocol	Network Design	CO4	4

10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	Yes
2		Industrial Visit	Virtual Tour: https://lightriver.com/take-a-virtual-tour-of-our-recently-expanded-network-factory/

3	Collaborative and Group Activity	Poster Presentation	Yes (1 poster for the group of 4) or infographics
4		Minute Papers	NA
5		Students Seminars	Yes (for selected students)
6		Students Debates	NA
7		Panel Discussion / Mock GD	NA
8		Mock Interview	Yes
9	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	Yes
10		Value Added Courses	Yes
11		Lecture Capture Usage	NA
12	Test and Assessments	Class Tests / Weekly Tests	NA
13		Mini Projects	NA
14		Pop Quiz	Yes (Every Week)
15		Mobile App Based Quiz	NA
16		Open Book and Take-Home Test	Yes


*** Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Please write below your name and sign with date of the external cluster mentor meeting



Subject Teacher: Pranita Padhye

External Industry Mentor	External Academic Mentor	 VIT Cluster Mentor (Prof. Ranjana Gite)	Program HOD (Prof. Dr. Anjali Deshpande)
--------------------------	--------------------------	--	---

Academic Preview – Faculty Evaluation Form 2021-2022 (ODD SEMESTER)

Name of the Faculty: -Pranita Prasad Padhye

Department: - Electronics Engineering

Serial No.	Course (Theory & Lab) Name & Code as per Mentioned in the Mumbai University Syllabus for CURRENT SEM*	Course / Class Details			VIT Cluster Mentor	Academic Cluster Mentor	Industry Cluster Mentor
		Program	Year	Division/s			
1	Advanced Networking Technologies	ETRX	BE	A, B	Prof. Ranjana Gite	Prof. Deepak Karia Professor SPIT Andheri	Prof. Suryakant Mudras Deputy Manager, MTNL, Mumbai

***CURRENT SEM: - 2021-22 Odd Sem**

PREVIOUS SEM: - 2020-21 Even Sem

PREVIOUS YEAR: - 2020-21

Sr. No.	Items	Marks Scheme	Max Marks	Self-Score	*Quality Factor	Final Score
1	KT Paper - Marks in handwritten solutions for course/s to be taught in CURRENT SEM Semester– June 2021 MU Exam Question Paper	i) % Course Marks ≥ 85 , Score = $0.1 \times \% \text{ Marks}$ ii) % Course Marks < 85 , Score = 0	10	NA		
		ANT				
2	AAP duly filled	Marks to be given by cluster mentor(s).	30	30		
		ANT				
3	IA Preparation					
	IA1 Question Paper	5		5	5	
	IA1 Audit form	5		5	5	
	IA1 Solution	5		5	5	
	IA2 Question Paper	5		5	5	
	IA2 Audit form	5		5	5	
4	Analysis of Probable Failures identified for courses taught in PREVIOUS Semester (June 2021 exam)	ANT	30	NA		
	Number of students identified as probable failure (n)					

Academic Preview – Faculty Evaluation Form 2021-2022 (ODD SEMESTER)

Number of students failed (f)						
Number of students identified and not failed (a)						
Number of students identified and failed (b)						
Number of students not identified and failed (c)						
$X=(a/n) * 100$ $Y=(b/n) * 100$ $Z=(c/n) * 100$ Total= (2*X)+Y-(2*Z) Self-Score=Total*0.15						
Total				100	60	

*Quality Factor shall be given by DAO & HOD.

GRADE TABLE					
Name and Signature of the Faculty with Date	Current - July 2021 Academic Preview % Score	PAST - Jan 2021 Academic Preview % Score	PAST - July 2020 Academic Preview % Score	PAST - Jan 2020 Academic Preview % Score	PAST - July 2019 Academic Preview % Score
Pranita Padhye 21/07/21 		A+	Not conducted due to Covid-19	A+	A+

Prof. Ranjana Gite

Cluster Mentor's Signature

Prof. Pravin Annadate

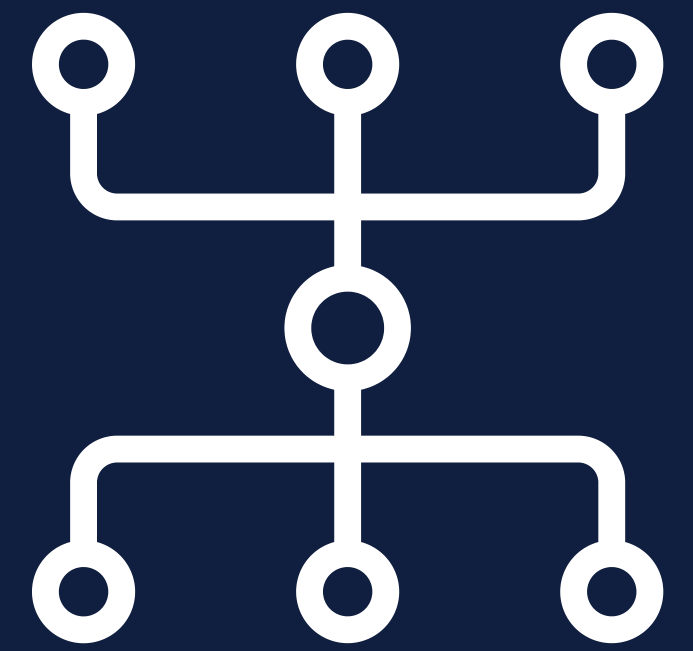
DAO's Signature

Prof. Dr. Arun Chavan

HOD's Signature



WPAN



WIRELESS PERSONAL AREA NETWORK

A WIRELESS PERSONAL AREA NETWORK (WPAN) IS A TYPE OF PERSONAL NETWORK THAT USES WIRELESS COMMUNICATION TECHNOLOGIES TO COMMUNICATE AND TRANSFER DATA BETWEEN THE USER'S CONNECTED DEVICES.

FEATURES

- No infrastructure setup.
- Short range communication.
- Small personal network
- Wide range of devices.
- Low power consumption.

CLASSES

- High-rate WPAN
Data throughput is > 20 Mbps.
- Medium-rate WPAN
Data throughput is 1 Mbp.
- Low-rate WPAN
Data throughput is < 0.25 Mbps.

ADVANTAGE

- Security
- Portability
- Easy Connectivity

TECHNOLOGIES

- Bluetooth
- ZigBee
- Infrared
- Z-wave

TOPOLOGIES

- Star Topology
- Mesh Topology
- Cluster Tree

DISADVANTAGE

- Short range
- Transfer speed

18103A0064

RANBIR VIRDI

18103A0080

HARDIK AGGARWAL

WPAN

Wireless Personal Area
Network



GROUP MEMBERS:

SHUBHAM GIRI 18103A2014

SHRIKANT NIMASE 14103B2008

PRATHAMESH GHAYTADKE
18103B2018

What is WPAN?

A WPAN (wireless personal area network) is a personal area network – a network for interconnecting devices centered around an individual person's workspace – in which the

What are different WPAN Technologies?

- Bluetooth
- Zigbee
- Infrared
- Z-wave

Bluetooth

- 802.15.1 IEEE STANDARD
- CONNECTIVITY RANGE UPTO 100M
- DATA TRANSFER RATE IS UPTO 3 MBPS
- IT CAN COMMUNICATE WITH UPTO 7 DEVICES IN ONE PICONET REGION.



- 802.15.5 IEEE STANDARD
- CONNECTIVITY RANGE UPTO 100M
- DATA TRANSFER IS UPTO 250 Kbps.
- STAR, MESH AND TREE TOPOLOGY IS SUPPORTED BY ZIGBEE.

FEATURES ADVANTAGE:

- LOW COST
- SHORT RANGE COMMUNICATION
- SMALL PERSONAL NETWORK
- LOW POWER CONSUMPTION
- SIMPLE AND COST EFFECTIVE
- MOBILITY
- LOW BANDWIDTH
- LESS SENSITIVE

IP Address Assignment

① Given the CIDR represents 20.10.30.35/27. Find the range of IP Addresses in the CIDR block.

Solⁿ:- Given the CIDR representation is 20.10.30.35/27

It suggests-

- 27 bits are used for the identification of network
- Remaining 5 bits are used for identification of hosts in the network

Given CIDR IP Address may be represented as-

$$00010100.00001010.00011110.00100011 / 27$$

So,

$$\begin{aligned} \text{• First IP Address} &= 00010100.00001010.00011110.00100000 \\ &= 20.10.30.32 \end{aligned}$$

$$\begin{aligned} \text{• Last IP Address} &= 00010100.00001010.00011110.00111111 \\ &= 20.10.30.63 \end{aligned}$$

Thus, Range of IP Addresses = [20.10.30.32, 20.10.30.63]

② Given the CIDR representation 100.1.2.35/20. Find the range of IP Addresses in the CIDR block.

Solⁿ:- Given representation of CIDR is 100.1.2.35/20

It suggests-

- 20 bits are used for the identification of network
- Remaining 12 bits are used for identification of hosts in the network

Given CIDR representation is 100.1.2.35/20 IP address may be represented as-

$$01100100.00000001.00000010.00100011 / 20$$

So,

• First IP Address =

$$01100100.00000001.00000000.00000000 =$$

$$100.1.0.0$$

• Last IP Address =

$01100100.00000001.00001111.11111111 =$

$100.1.15.255$

Thus, Range of IP Addresses = $[100.1.0.0, 100.1.15.255]$

③ Consider a block of IP Addresses ranging from $100.1.2.32$ to $100.1.2.47$.

a. Is it a CIDR block?

b. If yes, give the CIDR representation

Solⁿ:- For any given block to be a CIDR block, 3 rules must be satisfied-

Rule-01:-

- According to Rule-01, all the IP-Addresses must be contiguous
- Clearly, all the given IP Addresses are contiguous
- So Rule-01 is satisfied

Rule-02:-

- According to Rule-02, size of the block must be presentable as 2^n
- Number of IP Addresses in the given block = $47 - 32 + 1 = 16$
- Size of the block = 16 which can be represented as 2^4
- So rule-02 is satisfied.

Rule-03:-

- According to Rule-03, first IP Address must be divisible by size of the block
- So, $100.1.2.32$ must be divisible by 2^4
- $100.1.2.32 = 100.1.2.00100000$ is divisible by 2^4 since its 4 least significant bits are zero.
- So, Rule-03 is satisfied

Since, all the rules are satisfied, therefore given block is a CIDR block

CIDR Representation:-

We have -

- Size of the block = Total number of IP Address = 2^4
- To have 4 total number of IP Addresses, total 4 bits are required in the Host ID Part
- So, Number of bits present in the Network ID part
 $= 32 - 4 = 28$

Thus,

CIDR Representation = 106.1.0.32/28

④ Suppose a network with IP Address 192.16.0.0 is divided into 2 subnets find: number of hosts per subnet. Also for the first subnet, find -

- Subnet Address
- First Host ID
- Last Host ID
- Broadcast Address

Solⁿ:- Given IP Address belongs to class C

⑤ What is not true about subnetting?

→ Option C) Bits are borrowed from network portion

∴ 24 bits are reserved for Net ID.

The given network is divided into two subnets.

So, 1 bit is borrowed from the host ID part for the subnet ID's

Then, no. of bits remaining for host ID = 7

∴ No. of hosts per subnet = $2^7 = 128$

For 1st subnet:-

a) Subnet address = First IP Address
 $= 192.16.0.00000000$
 $= 192.16.0.0$

b) First Host ID = 192.16.0.00000001
 $= 192.16.0.1$

c) last Host ID :- $192.16.0.01111110$

= $192.16.0.126$

d) Broadcast Address = $192.16.0.01111111$

= $192.16.0.127$

⑤ What is not true about subnetting?

→ c) Bits are borrowed from network portion

⑥ In a class B network on the internet has a subnet mask of $255.255.240.0$. What is the maximum no. of hosts per subnet?

→ B) 4094

⑦ If the subnet mask $255.255.255.128$ belongs to class C, find -

a) No. of subnets

→ 131072

b) No. of hosts in each subnet

→ 126

⑧ If a class B network has a subnetmask of $255.255.248.0$. What is the maximum number of hosts per subnet?

→ 2046

Q i) 255.0.0.0

→ No. of Net ID bits + No. of subnet ID bits = 8

No. of Host ID bits = 24

a) No. of Hosts per subnet = $2^{24} - 2$

b) If given subnet mask belongs to class A, then no. of net ID bits = 8

∴ No. of subnet ID bits = $8 - 8 = 0$

∴ No. of subnets = $2^0 = 1$

c) First two octets of the subnet masks are not completely filled with 1's

∴ Given subnet mask cannot belong to class B

d) First 3 octets of the subnet masks are not completely filled with 1's

So, the given subnet mask cannot use 10 bits for network ID

ii) 255.128.0.0

→ No. of new ID bits + No. of subnet ID bits = 9

No. of Host ID bits = 23

a) No. of hosts per subnet = $2^{23} - 2$

b) If given mask belongs to class A

then no. of net ID bits = 8

∴ No. of subnet ID bits = $9 - 8 = 1$

∴ No. of subnets = $2^1 = 2$

c) First 2 octets of the subnet mask are not completely filled with 1's

∴ Given subnet mask cannot belong to class B

d) As first 3 octets of the subnet masks are not completely filled with

1's, given subnet mask cannot belong to class C

e) Since, first 10 bits of subnet mask are not completely filled with

1's, given subnet mask cannot use 10 bits for network ID

iii) 255.192.0.0

→ No. of net ID bits + No. of subnet ID bits = 20

No. of host ID bits = 22

a) No. of hosts per subnet = $2^{22} - 2$

b) If the given subnet mask belongs to class A, then no. of net

ID bits = 8

∴ No. of subnet ID bits = 10 - 8 = 2

∴ No. of subnets = $2^2 = 4$

c) As first 2 octets of the subnet masks are not completely filled with 1's given subnet mask cannot belong to class B.

d) As, first 3 octets of the subnet masks are not completely filled with 1's, given subnet mask cannot belong to class B.

e) Given, 10 bits are used for Net ID part

∴ No. of subnet ID bits = 10 - 10 = 0

∴ No. of subnets = $2^0 = 1$

iv) 255.240.0.0

→ No. of net ID bits + No. of subnet ID bits = 12

No. of host ID bits = 20

a) No. of hosts per subnet = $2^{20} - 2$

b) If the given subnet mask belongs to class A, then no. of net ID bits = 8

No. of subnet ID bits = 12 - 8 = 4

No. of subnets = $2^4 = 16$

c) As, first 2 octets of the subnet masks are not completely filled with 1's, given subnet mask cannot belong to class B.

d) As, first 3 octets of the subnet masks are not completely filled with 1's given subnet mask cannot belong to class C.

e) Given 10 bits are used for net ID part

No. of subnet ID bits = 12 - 10 = 2

∴ No. of subnets = $2^2 = 4$

v) 255.255.0.0

→ No. of net ID bits + No. of subnet ID bits = 16

No. of host ID bits = 16

a) No. of hosts per subnet = $2^{16} - 2$

b) If the given subnet mask belongs to class A, then no. of ID bits =
 $16 - 8 = 8$

\therefore No. of subnets = 28

c) If the given subnet mask belongs to class B, then no. of
 net ID bits = 16

No. of subnet ID bits = $16 - 16 = 0$

No. of subnets = $2^0 = 1$

d) As first three octets of subnet mask are not completely filled
 with 1s, given subnet mask cannot belong to class C

e) Given 10 bits are used for net ID part

\therefore No. of subnet ID bits = $16 - 10 = 6$

\therefore No. of subnets = $2^6 = 64$

v) 255.255.254.0

\rightarrow No. of net ID bits + No. of subnet ID bits = 29

No. of host ID bits = 9

a) No. of hosts per subnet = 29-2

b) If the given subnet mask belongs to class A, no. of net ID bits = 8

No. of subnet ID bits = 8

No. of subnet ID bits = $23 - 8 = 15$

No. of subnets = 2^{15}

c) If the given subnet mask belongs to class B, no. of net ID bits = 16

No. of subnet ID bits = $23 - 16 = 7$

\therefore No. of subnets = 27

d) As first three octets of subnet mask are not completely filled
 with 1s, given subnet mask cannot belong to class C

e) Given, 10 bits are used for net ID part

\therefore No. of subnet ID bits = $23 - 10 = 13$

\therefore No. of subnets = 2^{13}

vii) 055.255.255.0

→ No. of net ID bits + No. of subnet ID bits = 24

No. of host ID bits = 8

a) No. of hosts per subnet = $2^8 - 2$

b) IF the given subnet mask belongs to class A, then no. of net ID bits = 8

No. of subnet ID bits = $24 - 8 = 16$

∴ No. of subnets = 2^{16}

c) IF the given subnet mask belongs to class B, then no. of net ID bits = 16

∴ No. of subnet ID bits = $24 - 16 = 8$

∴ No. of subnets = 2^8

d) IF the given subnet mask belongs to class C, then no. of net ID bits = 24

∴ No. of subnet ID bits = $24 - 24 = 0$

∴ No. of subnets = $2^0 = 1$

e) Given, ID bits are used for the net ID part

∴ No. of subnet ID bits = $24 - 10 = 14$

∴ No. of subnets = 2^{14}

viii) 255.255.255.224

→ No. of net ID bits + No. of subnet ID bits = 27

No. of host ID bits = 5

a) No. of hosts per subnet = $2^5 - 2$

b) IF the given subnet mask belongs to class A, then no. of net ID bits = 8

∴ No. of subnet ID bits = $27 - 8 = 19$

∴ No. of subnets = 2^{19}

c) IF the given subnet mask belongs to class B, then no. of net ID bits = $27 - 16 = 11$

∴ No. of subnets = 2^{11}

d) If the given subnet mask belongs to class C, then no. of net ID bits = 24

$$\therefore \text{No. of subnet ID bits} = 27 - 24 = 3$$

$$\therefore \text{No. of subnets} = 2^3 = 8$$

e) Given 10 bits are used for net ID part.

$$\text{No. of subnet ID bits} = 27 - 10 = 17$$

$$\text{No. of subnets} = 2^{17}$$

ix) 255.255.255.240

→ No. of net ID bits + No. of subnet ID bits = 28

$$\text{No. of Host ID bits} = 4$$

a) No. of hosts per subnet = $2^4 - 2$

b) If the subnet mask belongs to class A, then no. of net ID bits = 8

$$\text{No. of subnet ID bits} = 28 - 8 = 20$$

$$\text{No. of subnets} = 2^{20}$$

c) If the subnet mask belongs to class B, then no. of net ID bits = 16

d) No. of subnet ID bits = 16

$$\text{No. of subnet ID bits} = 26 - 16 = 10$$

$$\therefore \text{No. of subnets} = 2^{10}$$

d) If the given subnet mask belongs to class C, then no. of net ID bits = 24

$$\therefore \text{No. of subnet ID bits} = 28 - 24 = 4$$

$$\therefore \text{No. of subnets} = 2^4$$

e) Given 10 bits are used for net ID part

$$\therefore \text{No. of subnet ID bits} = 28 - 10 = 18$$

$$\therefore \text{No. of subnets} = 2^{18}$$

Certificate of Achievement

Mitali Bandekar

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Question

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Calculate the link utilization (Efficiency) for stop and wait flow control mechanism if the frame size is 4800 bits, bit rate is 9600 bps, and distance between the devices is 2000 km. Given propagation speed is 200000 km/s.

This question was previously asked in
CIL MT Systems: 2020 Official Paper

[Attempt Online](#)[View all CIL MT CS Papers >](#)

1. 0.86

2. 0.82

3. 0.92

4. 0.96

Answer (Detailed Solution Below)

Option 4 : 0.96

Detailed Solution

Data:

Frame size = 4800 bits

Bit rate = Bandwidth = 9600 bps

a = Propagation delay + Transmission delay

Formula:

$$\eta = \frac{1}{1+2\alpha}$$

$$\eta = \frac{1}{1+2\alpha}$$

Calculation:

$$\text{Transmission delay} = \frac{\text{Frame size}}{\text{Bandwidth}} = \frac{4800}{9600} = \frac{1}{2} = 500 \text{ ms}$$

$$\text{Propagation delay} = \frac{\text{distance}}{\text{speed}} = \frac{2000}{200000} = \frac{1}{100} = 10 \text{ ms}$$

$$\eta = \frac{1}{1+2 \times \frac{10}{500}} = 0.9615 \approx 0.96$$

CCN IP Address Assignment

1) Given the CIDR representation $20.10.30.35/27$. Find the range of IP address in CIDR block.

→ Given CIDR representation is $20.10.30.35/27$.
Therefore, 27 bits are used for identification of network.

Remaining 5 bits are used for the identification of hosts in the network. Given CIDR IP address is represented as $00010100.00001010.00011110.00100011/27$.

So,

First IP address = $00010100.00001010.00011110.00100000 = 20.10.30.32$

Last IP address = $00010100.00001010.00011110.00101111 = 20.10.30.63$

∴ Range of IP address = $[20.10.30.32, 20.10.30.63]$

2) Given the CIDR representation $100.1.2.35/20$. Find the range of IP addresses in the CIDR block.

→

Given CIDR representation is $100.1.2.35/20$.

Therefore,

20 bits are used for the identification of network.

Remaining 12 bits are used for the identification of hosts in the network. Given CIDR IP address

may be represented as,

$0100100.0000001.0000010.00100011/20$

So,

$$\begin{aligned} \text{First IP address} &= 01100100 \cdot 00000001 \cdot 00000000 \cdot \\ &\quad 00000000 \\ &= 100.1.0.0 \end{aligned}$$

$$\begin{aligned} \text{Last IP address} &= 01100100 \cdot 00000001 \cdot 00001111 \cdot \\ &\quad 11111111 \\ &= 100.1.15.255 \end{aligned}$$

\therefore Range of IP address = $[100.1.0.0, 100.1.15.255]$

3) Consider a block of IP address ranging from 100.1.2.32 to 100.1.2.47.

a) Is it a CIDR block?

b) If yes, give the CIDR representation?

→

For any given block to be a CIDR block, 3 rules must be satisfied.

Rule 1:

Acc. to rule 1, all IP address must be contiguous. \therefore all the IP addresses are contiguous, Rule 1 is satisfied.

Rule 2:

Acc. to rule 2, Size of the block must be presentable as 2^n .

Number of IP addresses in the given block = $(47 - 32 + 1) = 16$.

Size of the block = 16 which can be represented as 2^4 .

\therefore Rule 2 is satisfied.

Rule 3

Acc to Rule 3, first IP address must be divisible by size of the block.

So, $100.1.2.32$ must be divisible by 24

$100.1.2.32 = 100.1.2.00100000$ is divisible by 24 since its 4 least significant bits are zero.

\therefore Rule 3 is satisfied

Since, all the rules are satisfied, therefore given block is a CIDR block.

5) What is not true about subnetting?

\rightarrow c) Bits are borrowed from network position.

6) In a class B network on the Internet has a subnet mask of $255.255.250.0$. What is the max. no. of hosts per subnet.

\rightarrow B) 4094.

7) If the subnet mask $255.255.255.128$ belongs to class C, find:

a) No. of subnets

$\rightarrow 131072$

b) No. of host in each subnet.

$\rightarrow 126$

8) If a class B network has a subnet mask of $255.255.248.0$. What is the maximum no. of hosts per subnet?

$\rightarrow 2046$

4)

→ Given IP address belongs to class C.
 ∴ 24 bits are reserved for NET ID. The given network is divided into two subnets.
 So, 1 bit is borrowed from the host ID part for the subnet ID's.
 So, 1 bit is borrowed from the host ID part.
 Then, no. of bits remaining for host ID = 7.
 ∴ No. of hosts per subnet = $2^7 = 128$.

For 1st subnet:

- a) Subnet address = First IP address
 = 192.16.0.00000000
 = 192.16.0.0
- b) First Host ID = 192.16.0.00000001
 = 192.16.0.1
- c) Last Host ID = 192.16.0.0111110
 = 192.16.0.126
- d) Broadcast address = 192.16.0.01111111
 = 192.16.0.127

9) IP: 255.0.0.0

- No. of net ID bits + No. of subnet ID bits = 8
 No. of host ID bits = 24
- a) No. of hosts per subnet = $2^{24} - 2$
 - b) If given subnet mask belongs to class A, then no. of net ID bits = 8
 ∴ No. of subnet ID bits = 8 - 8 = 0
 ∴ No. of subnets = $2^0 = 1$
 - c) First two octets of the subnet masks are not completely filled with 1's

- d) First 3 octets of the subnet masks are not completely filled with 1's
 \therefore Given subnet mask cannot belong to class C
- e) First 10 bits of the subnet masks are not completely filled with 1's.
 So, given subnet mask cannot use 10 bits for the network ID

(ii) 255.128.0.0

\rightarrow No. of new ID bits + No. of subnet ID bits = 9
 No. of Host ID bits = 23

a) No. of hosts per subnet = $2^{23} - 2$

b) If given mask belongs to class A, then no. of net ID bits = 8

\therefore No. of subnets = $2^1 = 2$

c) First 2 octets of the subnet mask are not completely filled with 1's

\therefore Given subnet mask cannot belong to class B

d) As first 3 octets of the subnet masks are not completely filled with 1's given subnet mask cannot belong to mask C

e) Since, first 10 bits of the subnet mask are not completely filled with 1's, given subnet mask cannot use 10 bits for the network ID

(iii) 255.192.0.0

\rightarrow No. of net ID bits + No. of subnet ID bits = 20
 No. of host ID bits = 22

a) No. of host per subnet = $2^{22} - 2$

b) If the given subnet mask belongs to class A, then no. of net ID bits = 8

\therefore No. of subnets = $2^2 = 4$

- c) ~~As~~ As first 2 octets of the subnet masks are not completely filled with 1's, given subnet mask cannot belong to class B
- d) ~~Given~~ Given, 10 bits are used for Net ID part
 \therefore ~~No.~~ No. of subnet ID bits = 10 - 10 = 0
 \therefore No. of subnets = $2^0 = 1$

(iv) 255.240.0.0

\rightarrow No. of net ID bits + No. of subnet ID bits = 12
 No. of host ID bits = 20

- a) No. of hosts per subnet = $2^{20} - 2$
- b) If the given subnet mask belongs to class A, then no. of net ID bits = 8
 No. of subnet ID bits = 12 - 8 = 4
 \therefore No. of subnets = $2^4 = 16$
- c) As, first 2 octets of the subnet masks are not completely filled with 1's, given subnet mask cannot belong to class B
- d) As first 3 octets of the subnet masks are not completely filled with 1's, given subnet mask cannot belong to class C.
- e) Given 10 bits are used for net ID part. No. of subnet ID bits = ~~12~~ 12 - 10 = 2
 \therefore No. of subnets = $2^2 = 4$

(v) 255.255.0.0

\rightarrow No. of net ID bits + No. of subnet ID bits = 16
 \therefore No. of host ID bits = 16

- a) No. of host per subnet = $2^{16} - 2$
- b) If the given subnet mask belongs to class A, then no. of net ID bits = 8

d) As first three octets of the subnet mask are not completely filled with 1's, given subnet cannot belong to class C.

e) Given 10 bits are used for net ID part

$$\therefore \text{No. of subnet ID bits} = 16 - 10 = 6$$

$$\therefore \text{No. of subnets} = 2^6 = 64$$

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Certificate of Achievement
Completion Year: 2022

Pratik Darade

has completed the following course:

Networking Essentials

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This course explored basic networking concepts and skills including concepts such as: Networking Protocol Basics, Network Services Basics, Home Networking and an Introduction to Cisco Networking helpful to solve problems in a variety of industries.

70 Hours

S Binnewies

Sebastian Binnewies
Trainer, Cisco Systems Inc.



Concepts Covered:



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Network Services
Basics



Introduction to Cisco
Networking



Networking Basics



Networking Protocol
Basics

The person named on this certificate has completed the activities in the attached transcript. For more information about Certificates of Achievement and the effort required to become eligible, visit futurelearn.com/proof-of-learning/certificate-of-achievement.

This learner has not verified their identity. The certificate and transcript do not imply the award of credit or the conferment of a qualification from Cisco.

1. What is a Cathode?
 - a. The generator from which a conventional current leaves a polarized electrical device
 - b. The power supply from which a conventional current leaves a polarized electrical device
 - c. The diode from which a conventional current leaves a polarized electrical device
 - d. The electrode from which a conventional current leaves a polarized electrical device
2. What is an *Anode*?
 - a. A diode through which positive electric charge flows into a polarized electrical device
 - b. A capacitor through which positive electric charge flows into a polarized electrical device
 - c. A ballast through which positive electric charge flows into a polarized electrical device
 - d. An electrode through which positive electric charge flows into a polarized electrical device
3. What does X stand for in the word *x-ray*?
 - a. X-radiation was used to signify an extra powerful type of radiation
 - b. X-radiation was used to signify an unknown type of radiation.
 - c. X-radiation was used to signify a extreme type of radiation.
 - d. X-radiation was used to signify an exact wavelength type of radiation.
4. Who is the Father of X-ray Technology?
 - a. Walter Rohlfesen
 - b. Wilhelm Xavier
 - c. Wilhelm Roentgen
 - d. William Xander
5. *What role does the electron play in producing an x-ray?*
 - a. *Electron*- negative moves toward the positively charged anode. Hits the anode gives up its energy and produces heat and light.
 - b. *Electron*- negative moves toward the positively charged cathode. Hits the cathode gives up its energy and produces current and light.
 - c. *Electron*- negative moves toward the neutrally charged capacitor. Hits the anode gives up its light and produces current.
 - d. *Electron*- negative moves toward the positively charged capacitor. Hits the cathode gives up its heat and produces current.
6. How is Voltage used in creating x rays?
 - a. Excites the electrons and causes them to move from the anode to the capacitor.
 - b. Excites the electrons and causes them to move from the cathode to the coil.
 - c. Excites the electrons and causes them to move from the cathode to the anode.
 - d. Excites the electrons and causes them to move from the cathode to the anode.
7. How does the higher voltage affect the x-ray?
 - a. The higher voltage decreases the power of the x-ray
 - b. The higher voltage increases the power of the x-ray.
 - c. The higher voltage increases the capacitance of the x-ray.
 - d. The higher voltage decreases the capacitance of the x-ray.
8. What is a Crookes tube?
 - a. Early x-ray tube.
 - b. Future x-ray tube.
 - c. Future x-ray coil.

- d. Early x-ray shield.
9. What problem did the Crookes tube present?
- a. It allowed x-rays to be contained everywhere.
 - b. It allowed x-rays to bounce everywhere.
 - c. It allowed x-rays to be eliminated everywhere.
 - d. It allowed x-rays to evaporate everywhere.
10. What were the advantages of the Angled Anode?
- a. The Angled Anode allowed the rays to not pass through the side of the tube.
 - b. The Angled Anode allowed the rays to pass through the ends of the tube.
 - c. The Angled Anode directed the rays to pass through the side of the tube.
 - d. The Angled Anode allowed the rays to not pass through the ends of the tube.
11. *Why do modern x-rays use a Rotating Anode?*
- a. Allows electrons to be focused so that heat energy is spread over a thin area.
 - b. Allows electrons to be focused so that heat energy is focused over a narrow area.
 - c. Allows electrons to be focused so that heat energy is spread over a smaller area.
 - d. Allows electrons to be focused so that heat energy is spread over a wider area.
12. *What organs can be viewed on a chest x-ray?*
- a. Lungs and heart.
 - b. Kidneys and liver.
 - c. Pancreas and Lungs.
 - d. Lungs and liver.
13. *What diseases below can be detected by a chest x-ray?*
- a. Pneumonia and lung tumors.
 - b. Tuberculosis and enlarged heart.
 - c. All of the above.
 - d. None of the above.
14. *In what year was the x-ray discovered?*
- a. 1835
 - b. 1895
 - c. 1825
 - d. 1845
15. What is the *Electro-magnetic Spectrum*?
- a. The lower range of light that exists. From radio waves to microwaves.
 - b. The middle range of light that exists. From visible light to ultra-violet.
 - c. The entire range of light that exists. From radio waves to gamma rays.
 - d. The partial range of light that exists. From radio microwaves to infra-red.
16. At which end of the spectrum do you find x-rays?
- a. The highest end of the spectrum.
 - b. The lowest end of the spectrum.
 - c. The bottom end of the spectrum.
 - d. The middle of the spectrum.
17. What is a *Radiograph*?
- a. Sound produced by passing x-rays through an object.
 - b. Image produced by passing x-rays through an object.

- c. Frequency produced by passing x-rays through an object.
 - d. Array produced by passing x-rays through an object.
18. X-rays are what type of radiation?
- a. Omega
 - b. Alpha
 - c. Theta
 - d. Gamma
19. X-rays devices should be operated by?
- a. Only facility administrators.
 - b. Only trained personnel.
 - c. Only doctors or nurses
 - d. Only medical technicians
20. Which of the following provides protection from X-ray radiation?
- a. Limited electrical voltage, size of x-ray and insulation.
 - b. Short exposures, location of X-ray and attire.
 - c. Distance from x-ray source and shielding.
 - d. Normal body temperature and location of x-ray.
21. What is Biomechatronics?
- a. The merging of man and machine
 - b. The merging of mechanics and electronics
 - c. The merging of man and electronics
 - d. The merging of machine and mechanics
22. What do galvanic detectors do?
- a. Detect an electric current produced by mechanical means.
 - b. Detect an electric current produced by chemical means
 - c. Detect an mechanical motion produced by electrical means
 - d. Detect an electric circuit produced by mechanical means
23. Mechanical sensors measure what information about a device?
- a. Limb location, applied current and load
 - b. Limb amount, applied pressure and lift
 - c. Limb position, applied velocity and weight
 - d. Limb position, applied force and load
24. What is an actuator?
- a. An artificial force that produces pressure and weight
 - b. An artificial muscle that reduces force and motion
 - c. An artificial muscle that produces force or movement
 - d. An artificial force that reduces movement or volume
25. What do biosensors do?
- a. Detect the user's impulses
 - b. Detect the user's memories
 - c. Detect the user's intentions
 - d. Detects the user's reflexes
26. Human motions are what?
- a. Complex

- b. Convoluted
 - c. Conical
 - d. Cylindrical
27. Which description below describes Biomechatronics research?
- a. Test ways of using living muscle tissue as circuits for electronic devices
 - b. Test ways of using living muscle tissue as electrodes for electronic devices
 - c. Test ways of using living muscle tissue as implants for electronic devices
 - d. Test ways of using living muscle tissue as actuators for electronic devices
28. What is electromyography?
- a. Using electrodes placed on the skin to monitor the motion activity of the underlying muscles
 - b. Using electrodes placed on the skin to monitor the electrical activity of the underlying organs
 - c. Using electrodes placed on the skin to monitor the electrical activity of the underlying muscles
 - d. Using electrons placed on the skin to maintain the electrical activity of the underlying muscles
29. Which of the following is an important aspect that separates Biomechatronics devices from conventional orthotic and prosthetic devices?
- a. A connection with the nerves and muscle systems of the user so he can store and convert information from the device
 - b. A connection with the nerves and muscle systems of the user so he can send and receive information from the device.
 - c. A connection with the nerves and muscle systems of the user so he can receive and store information from the device.
 - d. A connection with the nerves and muscle systems of the user so he can restore and remove information from the device.
30. Peter Veltink's group in the Netherlands is also using electromyogram surface electrodes for what?
- a. Feedback and control of lower-leg prosthetics
 - b. Friction and control of lower-leg prosthetics
 - c. Feedback and connection of lower-leg prosthetics
 - d. Friction and command of lower-leg prosthetics
31. Despite their small size, cells are what?
- a. Incredibly simple and never busy
 - b. Incredibly complex and never busy
 - c. Incredibly simple and constantly busy
 - d. Incredibly complex and constantly busy
32. Cytosol is a gel-like substance that is what?
- a. Mostly water
 - b. Mostly ammonia
 - c. Mostly calcium
 - d. Mostly sodium
33. The nucleus contains what?

- a. The cell's protein information
 - b. The cells chemical information
 - c. The cells genetic information
 - d. The cells structural information
34. Most cells have at least how many nucleus?
- a. Three
 - b. One
 - c. Two
 - d. Four
35. Nucleus is Latin for what?
- a. Little container
 - b. Little seed
 - c. Little cell
 - d. Little kernel
36. The endoplasmic reticulum (ER) is a network of what?
- a. Membrane-enclosed muscle
 - b. Membrane-enclosed sacs
 - c. Membrane-enclosed bones
 - d. Membrane-enclosed cells
37. Leukocytes are what?
- a. White blood cells
 - b. Enriched blood cells
 - c. Red blood cells
 - d. Depleted blood cells
38. Ribosomes contain more that how many proteins?
- a. 20
 - b. 30
 - c. 40
 - d. 50
39. Enzymes in the cisternae modify the proteins and pack them into what?
- a. Transfer vessels
 - b. Transfer vesicles
 - c. Transfer voles
 - d. Transfer vehicles
40. Mitochondria are what?
- a. The storehouses of a cell
 - b. The warehouses of a cell
 - c. The watersheds of a cell
 - d. The powerhouses of a cell

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Sr. No.	Roll Number	Name	Attendance (05)	Assignments Marks (10)	Quiz Marks(05)
24	19103A0039	Adhyay Jadhav	5	10	4
27	19103A0048	Akshay Salunkhe	5	0	3
31	19103A0056	Amit Choudhary	5	8	4
65	19103B0022	Amol Dhone	5	8	2
57	19103B0011	Aniket Gangurde	0	8	2
55	19103B0009	Anurag Bhandary	5	0	0
35	19103A0060	Anusha Sarla	5	10	3
18	19103A0025	Anushka Rane	4	0	3
60	19103B0015	Aryan Rajput	1	0	1
15	19103A0019	Asmita Bhekre	4	10	5
26	19103A0043	Atharva Sohani	5	10	4
86	20103B2024	Atul Gaud	5	8	2
68	19103B0025	Bhuvan Ramane	2	0	3
71	19103B0029	Chirag Jadhav	5	8	5
21	19103A0034	Darshan Jain	2	9	2
23	19103A0038	Darshankumar Mohite	5	10	4
10	19103A0003	Deepak Varak	3	8	5
29	19103A0054	Dhanashree Kamble	4	0	3
72	19103B0030	Divya Jain	1	0	0
37	19103A0063	Ganesh Kumbhar	4	10	2
36	19103A0061	Gaurav Kumar	4	8	1
73	20103B2004	Gautam Patil	4	8	3
58	19103b0012	Harsh Meshram	3	0	0
44	19103A0070	Harsh Singh	5	10	3
63	19103B0019	Harshavardhan Shegaonka	5	0	4
67	19103B0024	Hemant Bhoir	5	9	5
48	19103A0078	Kartik Bodhankar	5	5	2
54	19103B0008	Kartik Janjal	2	0	0
52	19103B0003	Kashmira Kor	2	0	2
75	20103B2007	Kaushal Mhatre	5	0	3
50	19103A0080	Ketaki Kelaskar	2	0	0
33	19103A0058	Ketan Kamble	2	0	0
76	20103B2008	Manas Shinde	2	0	2
70	19103B0028	Mandar Kulkarni	5	0	2
19	19103A0026	Mitali Bandekar	5	10	4
69	19103B0027	Mohd Kaif Idrisi	5	0	2
41	19103A0067	Niharika Parab	5	10	2
40	19103A0066	Omkar Pol	5	10	5
88	20103B2028	Pooja Kumthekar	4	9	3
39	19103A0065	Pragati Mali	4	10	2
53	19103B0007	Pranav Vadnere	4	8	2
3	18103A0001	pranjali jadhav1	4	0	4
6	18103B0041	Prateek Jampana	5	0	1
78	20103B2010	Prathamesh Khandare	5	0	3
13	19103A0009	Prathamesh Satam	4	10	4
38	19103A0064	Pratik Darade	4	10	2

2	18102A0030	Pratik More	4	0	3
84	20103B2020	Pritesh Lendale	5	8	4
7	18103B0062	Raj Karande	5	10	2
16	19103A0021	Raj Khetale	2	10	2
14	19103A0016	ROHIT SAWANT	5	8	4
28	19103A0051	Rucha Patil	5	10	5
17	19103A0022	Ruchira Gupte	4	0	3
51	19103A0083	Rudrant Ukirde	4	8	1
47	19103A0074	Rutuja Ghuge	4	10	4
82	20103B2014	Sahil Dhekane	4	6	4
85	20103B2022	sahil Gamare	4	0	2
32	19103A0057	Sahil Malthankar	0	0	0
87	20103B2027	Sahil Shirke	4	8	3
5	18103A0067	Samdarshak Metkari	5	8	5
74	20103B2005	Sameer Satpute	5	5	5
62	19103B0018	Sanchit Deshpande	5	0	1
46	19103A0073	Sankalp Gambhir	5	0	1
66	19103B0023	Sanmesh Shintre	5	8	4
4	18103A0045	Sarvadnya Patil	5	0	4
83	20103B2015	Shivam Bangar	4	0	2
22	19103A0035	Shubham Chavan	5	10	5
12	19103A0008	Shubham Dalvi	4	10	5
59	19103B0014	Shubham Salvi	3	0	1
42	19103A0068	Shubham Wagh	4	8	2
79	20103B2011	Shubham Wairkar	4	0	5
11	19103A0006	Soham Dalvi	3	5	4
77	20103B2009	Sourabh Shelar	5	0	3
49	19103A0079	Sourav Mohile	5	8	4
64	19103B0021	Srishti Sharma	1	0	2
34	19103A0059	Sumant Puranik	5	8	4
30	19103A0055	Sunjanaa Katke	4	10	4
1	17103A0038	Tanay Gawade	5	0	4
25	19103A0042	Tanvee Jaiswal	4	8	2
8	18103C2010	Tilak Magodia	5	0	1
43	19103A0069	Tushar Yadav	4	8	5
81	20103B2013	Vaibhav Maske	4	0	3
61	19103B0017	Vaibhav Shenoy	4	0	1
80	20103B2012	Vinayak Shinde	5	7	4
20	19103A0027	Vishwas Bist	5	10	5
45	19103A0072	Yash Jungade	5	10	4
56	19103B0010	Yash Pataskar	4	0	3
9	19103A0002	Zahier Mir	2	0	3
	Fardeen	Khan	2	4	2
	Mustafa	Mansoori	2	4	2

Practical Assessment Marks(05)	Total (TW) out of 25
5	24
5	13
5	22
5	20
5	15
0	5
5	23
5	12
5	7
5	24
5	24
5	20
0	5
5	23
5	18
5	24
5	21
5	12
2	3
4	20
5	18
5	20
0	3
5	23
5	14
5	24
0	16
3	5
5	9
5	13
4	6
0	2
5	9
5	12
5	24
0	7
4	21
5	25
5	21
5	21
4	18
5	13
5	11
5	13
5	23
4	20

0	7
5	22
5	22
5	19
2	19
5	25
5	12
0	13
5	23
4	18
4	10
0	0
5	20
5	23
5	20
5	11
5	11
5	22
5	14
4	10
5	25
5	24
1	5
5	19
5	14
5	17
0	8
4	21
5	8
5	22
5	23
2	11
5	19
5	11
4	21
5	12
5	10
5	21
5	25
5	24
4	11
1	6
2	10
2	10

Vision

To be a globally recognized institute where learners are nurtured in a scholarly environment to evolve into competent professionals and researchers to benefit society

Mission

- Evolve a curriculum which emphasizes on strong fundamentals with the flexibility to choose advanced courses of interest and gain exposure to tools and techniques in contemporary subjects.
- Encourage a teaching-learning process in which highly competent faculty share a symbiotic association with the institutes of repute.
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- Develop academic and infrastructural facilities with modern equipment and other learning resources and encourage reciprocal sharing with other institutes through networking.
- Establish a centre of excellence to enhance academia – industry partnership and work on collaborative projects.

Academic Year	2021-2022	Semester	Odd (July -December)
Name	Pranita Prasad Padhye		
Designation	Assistant Professor		
Course	Advanced Networking Technologies		
Department	Electronics Engineering		

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Mission

- Evolve a curriculum which emphasizes on strong fundamentals with the flexibility to choose advanced courses of interest and gain exposure to tools and techniques in contemporary subjects.
- Encourage a teaching-learning process in which highly competent faculty share a symbiotic association with the institutes of repute.
- Facilitate creation and dissemination of knowledge through a digitally-enabled learning environment.
- Develop academic and infrastructural facilities with modern equipment and other learning resources and encourage reciprocal sharing with other institutes through networking.
- Establish a centre of excellence to enhance academia – industry partnership and work on collaborative projects.

Academic Year	2021-2022	Semester	Odd (July -December)
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Industry / Company Name	Skynet Security Solution		
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1.0 General Information

1.1 Departmental Vision, Mission, PEOs, POs, and PSOs

Vision of the Department:

To be recognized as a centre of excellence in the field of Electronics Engineering where learners are nurtured in a scholarly environment to evolve into competent professionals to benefit society

Mission of the Department:

- Evolve a curriculum which emphasizes on strong engineering fundamentals with the flexibility to choose advanced courses of interest and gain exposure to tools and techniques in Electronics Engineering.
- Encourage a teaching-learning process in which highly competent faculty share a symbiotic association with the institutes of repute.
- Facilitate creation and dissemination of Electronics engineering knowledge through a digitally enabled learning environment.
- Develop academic and infrastructural facilities with modern equipment and other learning resources and encourage reciprocal sharing with other institutes through networking.
- Establish a centre of excellence to enhance academia – Electronics industry partnership and work on collaborative projects for benefit of society.

Programme Educational Objectives

PEO1. To enable the students to apply Electronics Engineering knowledge to design technically sound systems, adapt to new technologies through lifelong learning and excel in their career

PEO2. To inculcate research and development ability and enable the students to analyze real life problems in diverse domains to become entrepreneurs

PEO3. To make the students understand human, social, ethical and environmental context of their profession and contribute positively to the needs of individuals and society

Programme Specific Outcomes

Professional Skills: PSO1: Ability to understand fundamentals of electronics engineering, Very Large Scale Integrated Circuits, Signal Processing, Embedded and Communication System and their application in solving real world problems.

Problem-Solving Skills PSO2: Ability to solve complex Electronics Engineering problems, using latest technology, to produce cost effective solutions.

Successful Career and Entrepreneurship PSO3: Apply knowledge of Electronics Engineering to assess societal, environmental, health and safety issues with professional ethics and work in diverse teams as an individual or a leader to manage different projects for life-long learning

Programme Outcomes

Sr. No.	Program Outcome
PO1	Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and engineering specialization to the solution of complex engineering problems.
PO2	Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	Design/development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate considerations for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	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.
PO5	Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO6	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.
PO7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	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.
PO11	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 in multidisciplinary environments.
PO12	Life-long Learning: Recognize the need for and have the preparation and ability to engage in the independent and life-long learning in the broadest context of technological change.

1.2

General Guidelines for Main Academic Activities for the Semester

Note: - Kindly attach your AAP plan with course diary.

1.2a. Assignments

- Separate assignments shall be given for each group of 10 students
- Assignments shall be evenly spaced in time in between week 2 to week 12 of the academic semester
- Clearly mention the date of assignment submission and mode - handwritten / print out, hardcopy/softcopy etc.
- Students shall submit the completed assignments within one week from the date of issue
- Corrected Assignments shall be returned to the students within a week of submission
- Every assignment shall be set from a different text / reference book such that all the books specified in the syllabus are referred by students during the semester.

1.2b. IA Question Paper Setting Guideline and Audit by Cluster Mentor

- Submit IA 1 and IA 2 test papers and model solutions in department during academic preview process at the beginning of the semester.
- Both test papers and model solutions shall be audited by cluster mentor prior to academic preview process
- Question paper for IA1 shall be set on 30% of the syllabus as mentioned in academic administration plan
- Question paper for IA2 shall be set on next 30% syllabus as mentioned in academic administration plan
- Both IA test papers together shall map to ALL the Course Objectives (COs) mentioned in the syllabus.
- IA Q. no. 1 shall comprise 8 short questions of 2 marks each. 5 questions are to be answered in Q. no. 1. **OR** IA Q. no. 1 shall comprise 15 questions of 1 mark each. 10 questions are to be answered in Q. no. 1.
- IA Q. no. 2 shall comprise 3 long questions of 5 marks each. 2 questions are to be answered in Q. no. 2.
- Cluster mentors must check relevance to CO and level of all IA test paper questions in their cluster and moderate it prior to academic preview process
- Re-Test shall NOT be to be conducted for any IA examinations failures / absentees for any course

1.2c. Grading and Marking of Term Work (TW) . . . AAP

- Academic administration (AA) plan shall comprise the heads among which the Term Work marks is distributed.
- Marks allotted for respective marking heads for grading TW shall also be clearly mentioned in AA plan.
- Keep record of term work grading of each student (under each header mentioned in AA plan) in printed form. This document shall be verified during academic review process. **Sample/Example** of a rubric is shown below –

1.2d. Assessment of IA Papers

- Model solution for IA paper, prepared prior to academic preview, shall be uploaded on V-Live on the same day of the IA examination.
- Corrected answer books shall be shown to the students within a week from the date of the IA examination.
- Student's signature is to be taken on IA answer papers when he/she agrees to the assessment marks obtained.

1.2e. External Industrial Mentor and External Academic Mentor

- The cluster mentor with the cluster members shall establish contacts with industrial experts and individuals from academia. For every course, contact is to be established with these two experts before start of the semester.
- The experts shall be from reputed industries and from academic institutions like IIT, NIT, Govt. College in India.
- The experts must be present during the cluster meet and give their valuable comments regarding steps to be taken toward enhancement of knowledge base of the students
- External Cluster Mentors may also be a part of DAB if found suitable
- The academic administration plan and course diary for every course for every staff member shall be signed by both these external academic and industry mentors apart from VIT cluster mentor and head of the department

1.3 Faculty-wise Distribution of all Lecture-Practical-Tutorial hours for the Course

Total Course Hours Distribution

	Lecture (Hrs.)	Practical (Hrs.)	Tutorial (Hrs.)
Total Course Hours	04	02	--

1.4 Recommendations from Cluster Mentor

(Based on analysis of earlier Mumbai University question papers)

Topic	Recommendations to faculty for improvement of results
Routing Protocols	Design the problem-based experiments based on the topic
Cloud Computing	Design innovative /hands-on assignment based on the topic

1.5 Recommendation of Cluster Mentor, External Industry & Academic Mentor

Meeting with	Cluster Mentor	Industry Mentor	External Academic Mentor
Meeting held on			
Latest Technologies Related to this Course Discussed by External Cluster Mentors	No meeting		

Module No.	Tick for Practical Expt./Assignment / Tutorials in two columns below		Write BSA Activity Numbers (1-16) from BSA table in the four columns given below				Any Other Recommendations
	Practical Expt./Assignment/Tutorials	NPTEL & Other Video	Interaction with Outside World	Collaborative or Group Activity	Co-Curricular Activity	Tests and Assessments	
1	Y	Y		Y		Y	
2	Y	Y		Y		Y	
3	Y	Y				Y	
3	Y	Y				Y	

5	Y	Y				Y	
6	Y	Y		Y		Y	
7							
8							
9							
10							

Beyond Syllabus Activity (BSA) Table

Type of BSA	Activity No.	Beyond Syllabus Activity	Type of BSA	Activity No.	Beyond Syllabus Activity
Experiential Learning/ Interaction with outside world	1	Guest Lectures by Industry Experts	Co-curricular Activity	13	Informative Videos (NPTEL YouTube TEDx MIT OCW edX Coursera Udemy)
	2	Workshop		14	Lecture Capture Usage
	3	Mini Project		15	Any other activity
	4	Industrial Visit	Test and Assessment	16	Class Test Weekly Test
	5	Any other activity		17	Pop Quiz
Collaborative and Group Activity	6	Poster Presentation		18	Mobile APP Based Quiz
	7	Minute Paper		19	Open Book Test
	8	Student Seminar		20	Take Home Test
	9	Student Debate		21	Any other activity
	10	Panel Discussion Mock GO			
	11	Mock Interview			
	12	Any other activity			

2.0 Assessment and evaluation

2.1 Internal Assessment (IA) Test / Weekly Tests & All other test evaluation statistics

Test No.	Corrected Ans. Books Distributed on	Attach Mark-list Copy and Tick (✓)	Number of students					
			Total	>=75%	>=60% to <75 %	>=40 % to <60 %	<40%	% Passing
1 st IA Test	01/09/21	✓		76	01	01	00	100%
2 nd IA Test	25/10/21	✓		77	01	00	00	100%

2.2 Assignment Evaluation Statistics

Assignment No.	Date of Submission	Returned to Students on	Number of Students				
			Total Students	>=75%	>=60% to <75 %	>=40 % to <60 %	<40%
1	21/08/21	28/08/21	78	52	08	17	02
2	22/09/21	29/09/21	78	50	10	18	00
3	13/10/21	20/10/21	78	41	16	18	02
4							
5							

2.3.1 List of IA1 failures

Sr. No.	Roll No.	Name of student	Marks Obtained	Reason
1	No			
2	No			
3				
4				
5				

2.3.2 Elaborate efforts taken to ensure performance improvement of IA failed students

Count of extra lectures, average attendance, assignments given & corrected, exam papers solved, & special question set prepared.

- Student-wise information is required. Attach additional pages if required

2.3.3 List of IA2 failures

Sr. No.	Roll No.	Name of student	Marks Obtained	Reason
1	No			
2	No			
3				
4				
5				

2.3.4 Elaborate efforts taken to ensure performance improvement of IA failed students

Count of extra lectures, average attendance, assignments given & corrected, exam papers solved, & special question set prepared.

- Student-wise information is required. Attach additional pages if required

2.4 List of Students who would probably fail in End Sem. Examination - with reasons

Roll No.	Name	Indicators	Remedial Measure that have been undertaken
	No Student will fail		

- Attach additional pages if required

2.5 List of the students who would probably excel in End Sem. Exam. - with reasons

Roll No.	Name	Indicators	Special measures taken to boost the score
18103B0064	Priti Harijan	Overall Good response in all activities	Special tasks are given in the practical sessions
19103B2010	Sonali Sanap		

- Attach additional pages if required

2.6 Assessment of Learning Level of students

At Vidyasankar Institute of Technology, **Students' Performance Evaluation Policy** is in place. The objective of this policy is to devise a structured mechanism to

- Identify Learning Levels of the Students
- Implement the Action plan for Slow Learners and Advanced learners with the Objective to improve Students' Academic Performance
- Monitor and Evaluate the effectiveness of the Plan

Process set for Identification of Slow, General, and Advanced Learners at VIT

- During the Teaching & Learning process (in Classroom and Laboratories) and through the student mentoring process, the faculty classifies students as Advanced, Mid and Slow learners.
- The Teacher and the Faculty mentor together analyse the learning abilities of Students/ Mentees based on the indicators such as academic performance and also behavioural, psychological and social aspects. To ensure that identification of the Slow, Mid and Advanced Learners is carried out properly, the mentors also continuously interact with the respective Class teacher.

A) Slow Learners are generally characterized as students with superficial learning abilities, poor / slow grasping power, more absenteeism, with attention issues, sometimes with physical, personal and psychological problems and other developmental and diversified issues.

Characteristics of SLOW Learners	Action Plan for Improvement
<ul style="list-style-type: none"> • Physical and Psychological problems – motor, visual, general coordination, attention deficits, emotional instability, low self-esteem, time and action disorganization • Social – poor judgement, immature social behavior, poor concentration • Personal – frustration, aggression, anxiety • Academic – poor memory, difficulty in comprehension • Developmental issues – immature language pattern, speech / hearing issues • Poor attendance / Reluctance to learn / diversified interest • Weak or ill interest in studies • Biased with unknown philosophies / Paranoia 	<ul style="list-style-type: none"> • Making the learning process fun, easy to understand and comfortable • Thorough counselling and mentoring process • Repeating the difficult concepts time to time so that it is well understood by the slow learner • Conducting target oriented intensive sessions at institute instead of traditional classroom teaching • Remedial problem-solving sessions • Light relevant homework for confidence boosting • Adoption of specific required reading techniques • Providing short and specific direction to students to bring them to level of middle learners • Providing extra care during individual based, customized practice session for critical courses • Parent, tutor and teacher aide program

B) General Learners are generally more strategic and achievement oriented. More number of students in class falls under this category. With little motivation they excel to the level of advance learners.

Characteristics of General Learners	Action Plan for Improvement
<ul style="list-style-type: none"> • With 'do and get' oriented approach • Decent grade achievers • Participate in learning and complete assigned tasks in routine way • Limited learning expectation and tendencies • Not have very high aims and aspirations 	<ul style="list-style-type: none"> • Motivating and encourage for extra and advanced activity participation • Grouping them with advanced learner for better interaction and development • Mentoring mechanism for excellence • Extra problem solving practice & good rehearsals • Showing them superior side of course & help to set superior goals instead of mediocre targets • Increasing aspirations and hope in students

C) Advanced Learners are characterized as students with meaningful and deep investigation-oriented approach and analytical abilities, good comprehension. They have a core desire to excel. Such students have a proactive attitude towards gaining knowledge in various fields and facing challenges.

Characteristics of ADVANCED Learners	Action Plan for Improvement
<ul style="list-style-type: none"> • Very alert and proficient • Rapid learning ability and excellent memory • Advanced comprehension and abstract ideas • Enjoy solving problems • Self-taught reading and writing skills • Abstract thinking, logical & insightful • Idealism and have sense of justice • Concerned with social issues • Longer attention and intense concentration • Pre-occupied with own thoughts and ideas • High interest in experimentation and doing things differently • Keen and unusual sense of humour • Desire to organize, manage & complete tasks • Vivid imagination & out of the box thinking 	<ul style="list-style-type: none"> • Continuously inspiring and encouraging • Allowing more choices and offer challenges • Providing sufficient & extra platform for resources • Teaching with more creativity • Building professional & productive mind-set by giving real life and real time cases and problems • Motivating so that they develop to think differently and act on unusual problems • Encouraging self-assessments • Thorough counselling and mentoring • Concentrative approach to make them distinguished merit holders in university • Encouraging to participate in co-curricular, extra-curricular and other sport activities • Encouraging to participate in international events

2.7 List of the Students Identified as Slow Learners with Indicators

Roll No.	Name	Indicators	Remedial Measure that has been undertaken
19103B2014	Abdullah Khan	Overall response in all activities was poor	--

- Attach additional pages if required

2.8 List of the Students Identified as Advanced Learners with Indicators

Roll No.	Name	Indicators	Special measures taken to boost the score
18103B0064	Priti Harijan	Good response in all the activities	--
19103B2010	Sonali Sanap		

- Attach additional pages if required

3.0 Innovative Teaching Methodology Usage

3.1 Application of Bloom's Taxonomy to Achieve PSO

Cognitive Process	Cite example of relevant student activity
Remember	Layering Architecture of various networking standards
Understand	The concepts of wireless networking and optical networking
Apply	The knowledge of network security protocols
Analyze	Dynamic Routing protocols using simulators
Evaluate	The performance of network management protocol
Create	A small wireless personal area network

3.2 Application of Dee Fink's Taxonomy of Significant Learning to Achieve PSO

Significant Learning	Cite example of relevant student activity
Foundation Knowledge	
Application goals	
Integration goals	
Learning How to Learn	
Caring goals	
Human Dimensions	

3.3 Student Centric Teaching Methodologies

Student centric learning method broadly encompasses methods of teaching that shifts the focus of instructions from Teacher to the Students. Different types of student centric learning are –

i) Experiential Learning – Internship, study abroad, field trips, industrial visits, service projects, laboratory simulations and individual trainings and certifications etc. It involves educating through hand experiences.

ii) Participative Learning – Brainstorming sessions, group discussions, interview techniques, power point presentations, seminars, panel discussions, market survey, case study, quizzes, role play, mock viva, turnkey exercises etc. It involves participation of teachers and students in teaching learning process.

iii) Problem Solving Based Learning – Problem based experimentation in laboratory, trial & error technique where a problem is solved in many attempts, difference reduction technique where a large problem is solved by breaking it into smaller steps, mean and end analysis in which expected result is compared with present problem and efforts are made to remove differences if they exist, and backward working method where analysis starts with the end result of problem itself and working backwards toward proper implementation. In this, students learn by working on the given problem or target.

3.4 Advantages of Student Centric Teaching Methodologies

- A stronger bondage between teaching and curriculum
- Greater emphasis on student's needs
- Learning and other skill development of students
- Building social skill and self-esteem
- Opportunities to learn relation between rights and responsibilities
- Interested learning
- Minimal traditional teaching work
- Active role play involvement in learning
- Effective student adaptability
- Enhancement of group work and team building

3.5 Experiential Learning by Students during the Course – Tick [√] if Applied

Experiential Learning Method	Tick	Experiential Learning Method	Tick
Internship in Company / Industry		Field trips / Industrial visits	
Studies Abroad – for training / Student Exchange Program		Service Learning Oriented projects	
Laboratory Modelling and Simulation		Individual training and certifications	

- Attach additional pages if required for relevant details and case-wise explanations for specific students / groups

3.6 Participative Learning by Students during the Course – Tick [√] if Applied

Participative Learning Method	Tick	Participative Learning Method	Tick
Power point presentations / Seminars	√	Brainstorming sessions on technical issues	
Mock Interview / Mock Viva/ Group Discussions		Panel discussions on technical issues	
Market Survey / Case studies	√	Quizzes / Open book Test / Take home test	√
Role play in Classroom		Turnkey projects / Exercises	

- Attach additional pages if required for relevant details and case-wise explanations for specific students / groups

3.7 Problem Solving Based Learning during the Course – Tick [√] if Applied

Problem Solving Based Learning Method	Tick	Problem Solving Based Learning Method	Tick
Problem Based experiments in laboratory	√	Difference reduction technique of solving big problem after breaking it into smaller steps	

Trial and error technique of problem solving		Backward working method of problem solving where analysis starts with the result of the problem itself working backwards toward proper implementation	
Mean and End analysis-based difference minimization type problem solving			

- *Attach additional pages if required for relevant details and case-wise explanations for specific students / groups*

3.8 Innovative or Creative Teaching

It is the process of leading to creative learning, by implementing new methods and or approaches, modern teaching tools and contents that can benefit learners and their creative potential. Different innovative or creative teaching methods are –

- Use of multimedia environment in teaching (digital learning), Lecture Capture
- Mind mapping - make notes with keywords and images (help recollect information for long time)
- Teaching with Sense of Humor
- Z to A or reverse approach teaching – explaining application first and then the theory
- Problem based learning (PBL) – Learners are engaged with open ended, meaningful and curriculum aligned problems
- Flipped classroom and Role play activity
- Story boarding - Introducing learning material as stories through step by step memorization or visualization of conceptual ideas
- Introducing puzzles and games in teaching
- Classes outside classrooms

3.9 Necessity of Innovative or Creative Teaching Methods

- To develop and build creative mind set among students
- To improve professional proficiency
- To enhance creative and imaginative skills of students
- To make overall learning interesting and curious
- To increase level of understanding of concepts
- To enhance exploration of insight thinking

3.10 Innovative / Creative Teaching Styles – Tick [✓] the methods applied during course

Innovative / Creative Teaching Styles	Tick	Innovative / Creative Teaching Styles	Tick
Use of multimedia while teaching in class	✓	Introduced puzzles & games while teaching	✓
Mind mapping	✓	Teaching with sense of humor	
Memory matrix		Storyboarding	
Minute paper	✓	Reverse approach teaching	
One sentence summary		Flipped classroom	✓
Viewpoints or perspective		Directed paraphrasing	
Chain notes		Student generated test questions	
Question about a question		Role play activity	
Probe assumptions, reasons, evidences		Classes outside classroom	
Probe implications and consequences		Problem Based Learning (PBL)	✓

- *Attach additional pages if required for relevant details and case-wise explanations for specific students / groups*

4.0 Audits

4.1 Academic Preparedness (Faculty Academic Preview)

Read the parameters which will be evaluated for both Adequacy and Quality during Academic Preview:

Academic Administration Plan Must Contain these Details	For Caustic Course – Results of past 3 years, topics that bring the result down, recommendations from faculty who taught this course before, recommendations from cluster mentor for improvement
	Course objective & outcome, CO-PO map, CO-PSO map, University defined teaching and exam schemes
	Faculty teaching share & office hours, Syllabus modules mapped with i) % marks distribution in University question paper and ii) teaching hours. Division wise and class-wise result analysis.
	Prerequisite & future courses, real life applications. Text, reference, E books, magazines & journals, online course links, digital content, you tube links, VIT lecture capture link – Best learning resource for a module
	Study materials given to students, MOOC course links, VAC course announced in class & pursued
	Assignment / tutorial questions & Assessment details, IA test, class test, Open book test, Take home test, and Pop quiz question papers prepared, audit form prepared for IA question paper, IA solution prepared
	Regular lab experiment details, newly added experiment details, PBL details,
	Rubric for grading and marking of term work
	BSA details given for i) interaction with outside world ii) tests and assessments iii) Collaborative and group activities and iv) Co-curricular courses (includes Guest Lectures/IVs/Mini Projects/Poster Presentation/Debates/ Panel Discussion/Pop Quiz/NPTEL/MOOC/Value Added Courses etc.)
Course Material	Prepared for Current Semester – GQ / Faculty Notes / EQ / PPT / VIT E-Digital Content / Comprehensive Question Bank for viva / Lab manuals etc.
Lab Readiness	Availability of required equipment in lab, Prior conduction of all experiments in lab – proposed in AAP. Mention specifically in Lab Readiness Certificate that all Experiments have been performed by the respective teacher prior to the commencement of the semester in respective Lab.

Paper Solution/s (Handwritten)	MM/YY	July 21
--------------------------------	-------	---------

for Courses Taught in Previous Semester	Marks Secured	80/80
---	---------------	-------

Preview Held	On	30/07/21
	By	DAO and HOD

4.2

Suggestions for your successor who will teach this course afterward

- 1) Type of Course :
- Purely Theoretical
 - Analytical
 - Technologically Challenging
 - ✓▪ Skill based
- 2) Mention the Sub-topics that were highly challenging to teach

Caustic Topics	Suggestions to tackle these Topics
Routing Protocols	Simulations based on protocols
Cloud Computing	Real life applications discussed

3) Suggestions to improve the Assignments / Tutorials

Innovative platforms can be used for assignments like joinmyquiz, kahoot, padlet, VUE etc.

4) Suggestions to improve the Regular Practical / Newly Designed Practical / PBL Experiments

New open-source simulators can be used for regular practicals

5) Suggestions to improve Internal Assessment Tests / Class Tests / Open Book Tests / Take Home Tests

Open book tests are good for purely theoretical subjects

6) Suggestions to improve the Other Activities (BSA etc.)

Multimedia platforms should be encouraged for BSA

4.3

V-Refer Update

Content	Date of Upload	Content	Date of
---------	----------------	---------	---------

			Upload
Latest Updated Departmental Knowledge Map	--	Previous Year's Weekly / IA Tests Question Paper with Solutions	15/11/21
AAP with signatures from Faculty, HoD and External Cluster Mentors	15/11/21	Handwritten Solutions for All Previous Year MU End Semester Question Papers	
List of Practical Experiments	15/11/21	List of all Teaching Resources (incl. Books/Magazines/Journals/Web Sites)	15/11/21
Faculty Notes Scanned Handwritten Notes /PDF / PPT	15/11/21	Guest Lecture / Industrial Visit Report	--
Assignment / Tutorial Questions	15/11/21	Reports of all other BSA Activities	15/11/21
Class / Divisional Photograph	--	Comprehensive Question Bank for Viva	--

4.4

Academic Performance Analysis (Faculty Academic Review)

Paper Solution (handwritten) for the course Taught in this Semester	MM/YY	NOV 21
	Marks Secured	

Review Held	On	13/12/21
	By	HOD ETRX and HOD BIOM

4.5

Date of Submission of Course Diary

Planned date as per Institute Academic Calendar	Actual Date of Submission
13/12/21	13/12/21

HOD's comment on Quality of course diary completion & faculty performance in course for this semester. (Rate in 0-10 scale).



Signature of the Faculty
Member



Signature of the Cluster
Mentor



Signature of
Departmental Academic
Officer

Signature of the Head of
the Department

Guidelines for submission and storage of the course diary at the end of the semester:

- Prior to academic review, the course diary must be completed by all means with all the necessary data, attachments, and documental evidences.
- The completed course diary should be duly signed by the cluster mentor and head of the concerned department in which the course is being taught.
- The completed and duly signed course diary is to be handed over to the academic review committee during the review process (after each semester).
- For each course, the course diaries (which comprise both lecture and practical details) of all divisions are to be bound together as per division sequence (A, B and C) and stored in the department. The bound diary for all the divisions together will be called as 'departmental course diary' for that particular semester.
- There might be courses where one or two faculties have conducted only practical, whereas lecture and practical together for same courses were conducted by other faculties. In such case, while binding, division-wise course diaries with 'lecture and practical' both should be kept on top and 'only practical' diaries should be kept after that as per sequence of the divisions (A, B and C).
- The procedure of nomenclature for the bound 'departmental course diary' is as follows – for a 4th semester course in computer engineering department, the bound 'departmental course diary' shall be named as Program – Semester – Course– Examination

(e.g. *CMPN – Sem. IV - Applied Mathematics IV – June 2021*)

			EXPT 1	EXPT 2	EXPT 3	EXPT 4	EXPT 5
Sr. No.	Roll No	Name	out of 20				
1	17103A0038	Tanay Gawade	14	18	14	0	20
2	18102A0030	Pratik More	16	0	16	0	20
3	18103A0001	pranjali jadhav	20	0	12	18	20
4	18103A0045	Sarvadnya Patil	20	0	12	20	16
5	18103A0067	Samdarshak Metkari	20	20	16	20	20
6	18103B0041	Prateek Jampana	20	0	0	0	
7	18103B0062	Raj Karande	18	0	0	10	15
8	18103C2010	Tilak Magodia	0	0	0	0	16
9	19103A0002	Zahier Mir	0	0	20	18	20
10	19103A0003	Deepak Varak	20	20	16	20	20
11	19103A0006	Soham Dalvi	18	18	12	0	20
12	19103A0008	Shubham Dalvi	16	20	18	16	20
13	19103A0009	Prathamesh Satam	18	18	12	0	20
14	19103A0016	ROHIT SAWANT	12	12	0	20	20
15	19103A0019	Asmita Bhekre	12	20	20	20	20
16	19103A0021	Raj Khetale	14	14	0	0	0
17	19103A0022	Ruchira Gupte	18	0	0	20	20
18	19103A0025	Anushka Rane	20	0	20	0	20
19	19103A0026	Mitali Bandekar	18	10	14	18	20
20	19103A0027	Vishwas Bist	18	16	20	16	20
21	19103A0034	Darshan Jain	20	20	0	0	0
22	19103A0035	Shubham Chavan	20	20	20	18	16
23	19103A0038	Darshankumar Mohite	18	12	20	18	14
24	19103A0039	Adhyay Jadhav	6	12	20	20	20
25	19103A0042	Tanvee Jaiswal	0	0	12	0	18
26	19103A0043	Atharva Sohani	16	10	14	18	20
27	19103A0048	Akshay Salunkhe	20	20	12	0	0
28	19103A0051	Rucha Patil	16	14	20	18	20
29	19103A0054	Dhanashree Kamble	20	0	20	16	0
30	19103A0055	Sunjanaa Katke	14	12	14	14	16
31	19103A0056	Amit Choudhary	16	18	20	0	18
32	19103A0057	Sahil Malthankar	0	0	0	0	0
33	19103A0058	Ketan Kamble	0	0	0	0	0
34	19103A0059	Sumant Puranik	18	14	12	16	20
35	19103A0060	Anusha Sarla	20	18	18	0	0
36	19103A0061	Gaurav Kumar	20	0	0	0	0
37	19103A0063	Ganesh Kumbhar	0	20	12	0	0
38	19103A0064	Pratik Darade	20	20	0	0	0
39	19103A0065	Pragati Mali	16	18	0	0	0
40	19103A0066	Omkar Pol	16	20	16	20	18
41	19103A0067	Niharika Parab	18	20	0	0	0
42	19103A0068	Shubham Wagh	20	20	0	0	0
43	19103A0069	Tushar Yadav	20	20	20	20	20
44	19103A0070	Harsh Singh	18	16	14	0	0
45	19103A0072	Yash Jungade	14	16	18	20	0
46	19103A0073	Sankalp Gambhir	0	0	12	0	0
47	19103A0074	Rutuja Ghuge	20	20	20	20	0

48	19103A0078	Kartik Bodhankar	16	0	20	0	0
49	19103A0079	Sourav Mohile	20	20	20	18	0
50	19103A0080	Ketaki Kelaskar	0	0	0	0	0
51	19103A0083	Rudrant Ukirde	20	0	0	0	0
52	19103B0003	Kashmira Kor	20	0	16	0	0
53	19103B0007	Pranav Vadnere	0	0	0	16	20
54	19103B0008	Kartik Janjal	0	0	0	0	0
55	19103B0009	Anurag Bhandary	0	0	0	0	0
56	19103B0010	Yash Pataskar	0	10	16	16	16
57	19103B0011	Aniket Gangurde	0	0	0	16	10
58	19103b0012	Harsh Meshram	0	0	0	0	0
59	19103B0014	Shubham Salvi	20	0	0	0	0
60	19103B0015	Aryan Rajput	20	0	0	0	0
61	19103B0017	Vaibhav Shenoy	0	20	0	0	0
62	19103B0018	Sanchit Deshpande	20	0	0	0	0
63	19103B0019	Harshavardhan Shegaonk	10	8	18	20	18
64	19103B0021	Srishti Sharma	18	0	16	0	0
65	19103B0022	Amol Dhone	0	0	10	14	18
66	19103B0023	Sanmesh Shintre	20	18	0	18	16
67	19103B0024	Hemant Bhoir	20	20	12	20	20
68	19103B0025	Bhuvan Ramane	18	0	0	10	18
69	19103B0027	Mohd Kaif Idrisi	20	0	16	0	0
70	19103B0028	Mandar Kulkarni	18	20	0	0	0
71	19103B0029	Chirag Jadhav	20	18	14	16	20
72	19103B0030	Divya Jain	0	0	0	0	0
73	20103B2004	Gautam Patil	16	8	0	20	20
74	20103B2005	Sameer Satpute	20	16	12	20	20
75	20103B2007	Kaushal Mhatre	14	18	0	16	12
76	20103B2008	Manas Shinde	0	0	0	20	20
77	20103B2009	Sourabh Shelar	14	0	12	20	20
78	20103B2010	Prathamesh Khandare	16	8	14	10	16
79	20103B2011	Shubham Wairkar	14	18	18	20	20
80	20103B2012	Vinayak Shinde	14	12	16	20	20
81	20103B2013	Vaibhav Maske	16	20	0	0	18
82	20103B2014	Sahil Dhekane	14	18	14	18	20
83	20103B2015	Shivam Bangar	0	10	14	0	18
84	20103B2020	Pritesh Lendale	10	16	16	16	18
85	20103B2022	sahil Gamare	18	0	12	12	0
86	20103B2024	atul gaud	14	10	0	0	20
87	20103B2027	Sahil Shirke	18	14	0	14	18
88	20103B2028	Pooja Kumthekar	14	20	10	0	20

Average(0 5)	Round of
3.3	4
2.6	3
3.5	4
3.4	4
4.8	5
1	1
2.15	2
0.8	1
2.9	3
4.8	5
3.4	4
4.5	5
3.4	4
3.2	4
4.6	5
1.4	2
2.9	3
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4	4
4.5	5
2	2
4.7	5
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3.9	4
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4.5	5
1.9	2
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5	5
2.4	3
3.4	4
0.6	1
4	4

1.8	2
3.9	4
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1	1
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1.8	2
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3.7	4
1.7	2
2.1	2
3.6	4
4.6	5
2.3	3
1.8	2
1.9	2
4.4	5
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3.2	3
4.4	5
3	3
2	2
3.3	3
3.2	3
4.5	5
4.1	4
2.7	3
4.2	4
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3.2	3
3.2	3

Sr. No.	Roll No	Name	Expt 1	Expt 2	Expt 3	Expt 4	Expt 5	Expt 6
24	19103A0039	Adhyay Jadhav	0	10	10	10	10	10
27	19103A0048	Akshay Salunkhe	0	0	10	10	10	10
31	19103A0056	Amit Choudhary	0	10	10	10	10	9
65	19103B0022	Amol Dhone	0	10	0	10	10	9
57	19103B0011	Aniket Gangurde	10	10	10	8	8	10
55	19103B0009	Anurag Bhandary	0	0	0	0	0	0
35	19103A0060	Anusha Sarla	10	10	10	10	10	10
18	19103A0025	Anushka Rane	0	10	10	9	10	10
60	19103B0015	Aryan Rajput	0	10	10	0	0	10
15	19103A0019	Asmita Bhekre	0	10	10	10	10	10
26	19103A0043	Atharva Sohani	10	10	10	10	10	10
86	20103B2024	atul gaud	10	10	10	8	8	9
68	19103B0025	Bhuvan Ramane	0	0	0	0	0	0
71	19103B0029	Chirag Jadhav	10	10	10	10	10	10
21	19103A0034	Darshan Jain	10	10	10	10	10	9
23	19103A0038	Darshankumar Mohite	10	10	10	10	10	10
10	19103A0003	Deepak Varak	0	10	10	10	10	10
29	19103A0054	Dhanashree Kamble	10	10	10	10	10	10
72	19103B0030	Divya Jain	0	0	0	0	10	9
37	19103A0063	Ganesh Kumbhar	10	10	10	10	0	8
36	19103A0061	Gaurav Kumar	10	10	10	10	5	0
73	20103B2004	Gautam Patil	10	10	10	10	10	10
58	19103b0012	Harsh Meshram	10	10	10	10		10
44	19103A0070	Harsh Singh	0	0	0	0	0	0
63	19103B0019	Harshavardhan Shegaonka	0	0	10	10	10	10
67	19103B0024	Hemant Bhoir	10	10	10	10	10	10
48	19103A0078	Kartik Bodhankar	0	0	10	8	8	10
54	19103B0008	Kartik Janjal	0	0	0	0	0	0
52	19103B0003	Kashmira Kor	10	10	10	10	10	10
75	20103B2007	Kaushal Mhatre	0	10	10	10	10	10
50	19103A0080	Ketaki Kelaskar	10	10	10	10	5	0
33	19103A0058	Ketan Kamble	0	0	0	0	0	0
76	20103B2008	Manas Shinde	10	10	10	8	8	10
70	19103B0028	Mandar Kulkarni	10	10	10	10	10	10
19	19103A0026	Mitali Bandekar	10	10	10	10	10	10
69	19103B0027	Mohd Kaif Idrisi	0	0	0	0	0	0
41	19103A0067	Niharika Parab	10	10	10	10	5	8
40	19103A0066	Omkar Pol	10	10	10	10	8	8
88	20103B2028	Pooja Kumthekar	0	10	10	10	10	9
39	19103A0065	Pragati Mali	10	10	10	10	5	9
53	19103B0007	Pranav Vadnere	10	10	0	10	8	0
3	18103A0001	pranjali jadhav	0	10	10	10	10	10
6	18103B0041	Prateek Jampana	0	10	10	10	10	10
78	20103B2010	Prathamesh Khandare	10	10	10	10	10	10
13	19103A0009	Prathamesh Satam	10	10	0	10	10	9
38	19103A0064	Pratik Darade	10	10	10	10	5	8
2	18102A0030	Pratik More	0	0	0	0	0	0
84	20103B2020	Pritesh Lendale	0	10	10	10	10	10
7	18103B0062	Raj Karande	0	10	10	10	10	10

16	19103A0021	Raj Khetale	0	10	10	10	10	9
14	19103A0016	ROHIT SAWANT	0	0	0	0	9	10
28	19103A0051	Rucha Patil	0	10	10	10	10	10
17	19103A0022	Ruchira Gupte	0	10	10	10	10	9
51	19103A0083	Rudrant Ukirde	0	0	0	0	0	0
47	19103A0074	Rutuja Ghuge	10	10	10	10	5	10
82	20103B2014	Sahil Dhekane	0	0	0	0	0	0
85	20103B2022	sahil Gamare	8	10	10	8	8	9
32	19103A0057	Sahil Malthankar	10	10	10	8	8	9
87	20103B2027	Sahil Shirke	10	0	10	10	10	10
5	18103A0067	Samdarshak Metkari	0	10	10	10	10	10
74	20103B2005	Sameer Satpute	10	10	10	10	10	10
62	19103B0018	Sanchit Deshpande	10	10	10	10	10	8
46	19103A0073	Sankalp Gambhir	10	10	10	10	0	8
66	19103B0023	Sanmesh Shintre	10	10	10	10	10	10
4	18103A0045	Sarvadnya Patil	0	10	10	10	10	10
83	20103B2015	Shivam Bangar	10	10	8	8	8	10
22	19103A0035	Shubham Chavan	0	0	0	0	0	8
12	19103A0008	Shubham Dalvi	0	10	10	10	10	10
59	19103B0014	Shubham Salvi	10	10	10	10	8	10
42	19103A0068	Shubham Wagh	0	10	10	10	10	10
79	20103B2011	Shubham Wairkar	10	10	10	10	10	10
11	19103A0006	Soham Dalvi	0	10	10	10	10	10
77	20103B2009	Sourabh Shelar	0	0	0	0	0	0
49	19103A0079	Sourav Mohile	10	10	10	8	5	9
64	19103B0021	Srishti Sharma	10	10	10	10	8	10
34	19103A0059	Sumant Puranik	0	10	10	10	10	10
30	19103A0055	Sunjanaa Katke	10	10	10	10	10	0
1	17103A0038	Tanay Gawade	0	0	10	8	0	0
25	19103A0042	Tanvee Jaiswal	10	10	10	10	8	10
8	18103C2010	Tilak Magodia	0	10	10	10	10	10
43	19103A0069	Tushar Yadav	10	10	10	10	8	8
81	20103B2013	Vaibhav Maske	10	10	10	10	8	10
61	19103B0017	Vaibhav Shenoy	10	10	10	10	10	10
80	20103B2012	Vinayak Shinde	10	0	10	10	10	10
20	19103A0027	Vishwas Bist	10	10	10	10	10	10
45	19103A0072	Yash Jungade	0	10	10	10	0	10
56	19103B0010	Yash Pataskar	10	10	10	10	10	8
9	19103A0002	Zahier Mir	0	0	10	0	0	0

Expt 7	Expt 8
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Sr. No.	Roll No	Name	Expt 1	Expt 2	Expt 3	Expt 4	Expt 5	Expt 6
24	19103A0039	Adhyay Jadhav	0	10	10	10	10	10
27	19103A0048	Akshay Salunkhe	0	0	10	10	10	10
31	19103A0056	Amit Choudhary	0	10	10	10	10	9
65	19103B0022	Amol Dhone	0	10	0	10	10	9
57	19103B0011	Aniket Gangurde	10	10	10	8	8	10
55	19103B0009	Anurag Bhandary	0	0	0	0	0	0
35	19103A0060	Anusha Sarla	10	10	10	10	10	10
18	19103A0025	Anushka Rane	0	10	10	9	10	10
60	19103B0015	Aryan Rajput	0	10	10	0	0	10
15	19103A0019	Asmita Bhekre	0	10	10	10	10	10
26	19103A0043	Atharva Sohani	10	10	10	10	10	10
86	20103B2024	atul gaud	10	10	10	8	8	9
68	19103B0025	Bhuvan Ramane	0	0	0	0	0	0
71	19103B0029	Chirag Jadhav	10	10	10	10	10	10
21	19103A0034	Darshan Jain	10	10	10	10	10	9
23	19103A0038	Darshankumar Mohite	10	10	10	10	10	10
10	19103A0003	Deepak Varak	0	10	10	10	10	10
29	19103A0054	Dhanashree Kamble	10	10	10	10	10	10
72	19103B0030	Divya Jain	0	0	0	0	10	9
37	19103A0063	Ganesh Kumbhar	10	10	10	10	0	8
36	19103A0061	Gaurav Kumar	10	10	10	10	5	0
73	20103B2004	Gautam Patil	10	10	10	10	10	10
58	19103b0012	Harsh Meshram	10	10	10	10		10
44	19103A0070	Harsh Singh	0	0	0	0	0	0
63	19103B0019	Harshavardhan Shegaonka	0	0	10	10	10	10
67	19103B0024	Hemant Bhoir	10	10	10	10	10	10
48	19103A0078	Kartik Bodhankar	0	0	10	8	8	10
54	19103B0008	Kartik Janjal	0	0	0	0	0	0
52	19103B0003	Kashmira Kor	10	10	10	10	10	10
75	20103B2007	Kaushal Mhatre	0	10	10	10	10	10
50	19103A0080	Ketaki Kelaskar	10	10	10	10	5	0
33	19103A0058	Ketan Kamble	0	0	0	0	0	0
76	20103B2008	Manas Shinde	10	10	10	8	8	10
70	19103B0028	Mandar Kulkarni	10	10	10	10	10	10
19	19103A0026	Mitali Bandekar	10	10	10	10	10	10
69	19103B0027	Mohd Kaif Idrisi	0	0	0	0	0	0
41	19103A0067	Niharika Parab	10	10	10	10	5	8
40	19103A0066	Omkar Pol	10	10	10	10	8	8
88	20103B2028	Pooja Kumthekar	0	10	10	10	10	9
39	19103A0065	Pragati Mali	10	10	10	10	5	9
53	19103B0007	Pranav Vadnere	10	10	0	10	8	0
3	18103A0001	pranjali jadhav	0	10	10	10	10	10
6	18103B0041	Prateek Jampana	0	10	10	10	10	10
78	20103B2010	Prathamesh Khandare	10	10	10	10	10	10
13	19103A0009	Prathamesh Satam	10	10	0	10	10	9
38	19103A0064	Pratik Darade	10	10	10	10	5	8
2	18102A0030	Pratik More	0	0	0	0	0	0
84	20103B2020	Pritesh Lendale	0	10	10	10	10	10
7	18103B0062	Raj Karande	0	10	10	10	10	10

16	19103A0021	Raj Khetale	0	10	10	10	10	9
14	19103A0016	ROHIT SAWANT	0	0	0	0	9	10
28	19103A0051	Rucha Patil	0	10	10	10	10	10
17	19103A0022	Ruchira Gupte	0	10	10	10	10	9
51	19103A0083	Rudrant Ukirde	0	0	0	0	0	0
47	19103A0074	Rutuja Ghuge	10	10	10	10	5	10
82	20103B2014	Sahil Dhekane	0	0	0	0	0	0
85	20103B2022	sahil Gamare	8	10	10	8	8	9
32	19103A0057	Sahil Malthankar	10	10	10	8	8	9
87	20103B2027	Sahil Shirke	10	0	10	10	10	10
5	18103A0067	Samdarshak Metkari	0	10	10	10	10	10
74	20103B2005	Sameer Satpute	10	10	10	10	10	10
62	19103B0018	Sanchit Deshpande	10	10	10	10	10	8
46	19103A0073	Sankalp Gambhir	10	10	10	10	0	8
66	19103B0023	Sanmesh Shintre	10	10	10	10	10	10
4	18103A0045	Sarvadnya Patil	0	10	10	10	10	10
83	20103B2015	Shivam Bangar	10	10	8	8	8	10
22	19103A0035	Shubham Chavan	0	0	0	0	0	8
12	19103A0008	Shubham Dalvi	0	10	10	10	10	10
59	19103B0014	Shubham Salvi	10	10	10	10	8	10
42	19103A0068	Shubham Wagh	0	10	10	10	10	10
79	20103B2011	Shubham Wairkar	10	10	10	10	10	10
11	19103A0006	Soham Dalvi	0	10	10	10	10	10
77	20103B2009	Sourabh Shelar	0	0	0	0	0	0
49	19103A0079	Sourav Mohile	10	10	10	8	5	9
64	19103B0021	Srishti Sharma	10	10	10	10	8	10
34	19103A0059	Sumant Puranik	0	10	10	10	10	10
30	19103A0055	Sunjanaa Katke	10	10	10	10	10	0
1	17103A0038	Tanay Gawade	0	0	10	8	0	0
25	19103A0042	Tanvee Jaiswal	10	10	10	10	8	10
8	18103C2010	Tilak Magodia	0	10	10	10	10	10
43	19103A0069	Tushar Yadav	10	10	10	10	8	8
81	20103B2013	Vaibhav Maske	10	10	10	10	8	10
61	19103B0017	Vaibhav Shenoy	10	10	10	10	10	10
80	20103B2012	Vinayak Shinde	10	0	10	10	10	10
20	19103A0027	Vishwas Bist	10	10	10	10	10	10
45	19103A0072	Yash Jungade	0	10	10	10	0	10
56	19103B0010	Yash Pataskar	10	10	10	10	10	8
9	19103A0002	Zahier Mir	0	0	10	0	0	0

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Departmental Project Review – 1 (SE, TE and BE)

Group ID	Year	Type	Member 1 (TL)	Member 2	Member 3	Member 4	Project Guide	Date	Day	Time	Panel Member - 1	Panel Member-2	Venue
ETRX-BE-01	BE	Project - 1	Pranjali Suresh Jadhav	Sanmesh Sanjay Shintre	Divya Jitendra Jain	Anusha Anand Sarla	Dr. Arun Chavan	26-08-2022	Friday	1.45pm to 4.45pm	Dr. Arun Chavan	Prof. Javed Patel	F201
ETRX-BE-22	BE	Project - 1	Srushti Bomble	Hardik Nabar	Sahil Shirke	Rutuja Chavan	Dr. Arun Chavan	26-08-2022	Friday	1.45pm to 4.45pm	Dr. Arun Chavan	Prof. Javed Patel	F201
ETRX-SE-3-01	SE	Mini-Project 1A	Omkar Vinod Daggula	Meet Digambar Shinde	Dikshita Belchada	Sarthak Waghmode	Dr. Arun Chavan	25-08-2022	Thursday	2.45pm to 4.45pm	Dr. Arun Chavan	Prof. Javed Patel	F102
ETRX-TE-5-24	TE	Mini-Project 2A	Atharva Sudhir Wadekar	Siddhi Yashwant Gawade	Omkar Raju Pisal	Deep Vijay Lad	Dr. Arun Chavan	22-08-2022	Monday	3.45pm to 4.45pm	Dr. Arun Chavan	Prof. Javed Patel	F102
ETRX-TE-5-32	TE	Mini-Project 2A	Ritesh Prajapati	Purvashi walkar	Vikrant Kale	Esha Thakur	Dr. Arun Chavan	22-08-2022	Monday	3.45pm to 4.45pm	Dr. Arun Chavan	Prof. Javed Patel	F102
ETRX-BE-14	BE	Project - 1	Akshay D. Salunkhe	Omkar Pol	Ganesh Kumbhar	Sankalp Gambhir	Dr. Girish Gidaye	26-08-2022	Friday	1.45pm to 4.45pm	Dr. Girish Gidaye	Prof. Akhil Masurkar	M201
ETRX-BE-26	BE	Project - 1	Vaibhav Suresh Shenoy	Mandar Jaiwant Kulkarni	Hemant Suresh Bhoir	Chirag Vijay Jadhav	Dr. Girish Gidaye	26-08-2022	Friday	1.45pm to 4.45pm	Dr. Girish Gidaye	Prof. Akhil Masurkar	M201
ETRX-SE-3-04	SE	Mini-Project 1A	Anushka Rawat	Samit Sahare	Sai patangrao shinde	Mrudula Rajesh Jadhav	Dr. Girish Gidaye	25-08-2022	Thursday	3.45pm to 4.45pm	Dr. Girish Gidaye	Prof. Sheetal Patil	F201
ETRX-TE-5-07	TE	Mini-Project 2A	Jayesh Vilas Raut	Anaya Varun Sathe	Aditya Chandrakant Salve	Aayush Kamlakar Kanholikar	Dr. Girish Gidaye	22-08-2022	Monday	3.45pm to 4.45pm	Dr. Girish Gidaye	Prof. Akhil Masurkar	M201
ETRX-TE-5-08	TE	Mini-Project 2A	Chhaya Sharma	Vishakha kailas zanke	Shubham Vinod Bari	Mohammed sufiyan bepari	Dr. Girish Gidaye	22-08-2022	Monday	3.45pm to 4.45pm	Dr. Girish Gidaye	Prof. Akhil Masurkar	M201
ETRX-BE-12	BE	Project - 1	Ashish Surendra Gosavi	Rohit Suresh Sawant	Rohit Mohite	-	Dr. Nayana Mahajan	26-08-2022	Friday	3.45pm to 4.45pm	Dr. Nayana Mahajan	Prof. Anuradha Joshi	F201
ETRX-BE-21	BE	Project - 1	Pritesh Prakash Lendale	Siva Kumar Malayandi Yadav	Sudhanshu Prasad Mulye	Pooja Dhananjay Kumthekar	Dr. Nayana Mahajan	26-08-2022	Friday	3.45pm to 4.45pm	Dr. Nayana Mahajan	Prof. Anuradha Joshi	F201
ETRX-SE-3-07	SE	Mini-Project 1A	Rohit Thakur	Shantanu Tembhurne	Yog Duryodhan	Vivek Rajesh Gawai	Dr. Nayana Mahajan	25-08-2022	Thursday	2.45pm to 4.45pm	Dr. Nayana Mahajan	Prof. Uma Jaishankar	F301
ETRX-SE-3-09	SE	Mini-Project 1A	Shankar Vadivel Konar	Abhishek Nandlal Gupta	Bharat Baskar Nadar	Sanket kamlashankar Mishra	Dr. Nayana Mahajan	25-08-2022	Thursday	2.45pm to 4.45pm	Dr. Nayana Mahajan	Prof. Uma Jaishankar	F301
ETRX-TE-5-02	TE	Mini-Project 2A	Gaurav Shailesh Bhadoria	Kedar Mandar Vaidya	Harsh Radharaman Purohit	Pratham Anil Tetgure	Dr. Nayana Mahajan	22-08-2022	Monday	3.45pm to 4.45pm	Dr. Nayana Mahajan	Prof. Akshata Bhat	F201

Group ID	Year	Type	Member 1 (TL)	Member 2	Member 3	Member 4	Project Guide	Date	Day	Time	Panel Member - 1	Panel Member-2	Venue
ETRX-TE-5-34	TE	Mini-Project 2A	Arya A. Mhatre	Tanaya S. Palav	Anish Sujit Jadhav	Nidhi Baban Sangle	Dr. Nayana Mahajan	22-08-2022	Monday	3.45pm to 4.45pm	Dr. Nayana Mahajan	Prof. Akshata Bhat	F201
ETRX-TE-5-36	TE	Mini-Project 2A	Basharat Shaikh	Vansh Jain	Farhan Khan	Sparsh Teli	Dr. Nayana Mahajan	22-08-2022	Monday	3.45pm to 4.45pm	Dr. Nayana Mahajan	Prof. Akshata Bhat	F201
ETRX-BE-25	BE	Project - 1	Prathamesh Dattaram Khandare	Sourabh Rajendra Shelar	Dishan Ashraf Mukadam	Shivam Subhash Bangar	Dr. Sangeeta Joshi	26-08-2022	Friday	1.45pm to 4.45pm	Dr. Sangeeta Joshi	Prof. Pranita Padhye	F205
ETRX-BE-30	BE	Project - 1	Kaushal Kiran Mhatre	Vinayak Vilas Shinde	Amol Sopan Dhone	-	Dr. Sangeeta Joshi	26-08-2022	Friday	1.45pm to 4.45pm	Dr. Sangeeta Joshi	Prof. Pranita Padhye	F205
ETRX-SE-3-08	SE	Mini-Project 1A	Rohan Santosh Shinde	Khushi Sudhir Bawane	Riya Rakesh Shivhare	Abhishek Shanti Bhushan yadav	Dr. Sangeeta Joshi	25-08-2022	Thursday	2.45pm to 4.45pm	Dr. Sangeeta Joshi	Prof. Anuradha Joshi	F305
ETRX-SE-3-15	SE	Mini-Project 1A	Soham Karulkar	Neeti Thakkar	Ansh Tripathi	Abhishek Mhatre	Dr. Sangeeta Joshi	25-08-2022	Thursday	2.45pm to 4.45pm	Dr. Sangeeta Joshi	Prof. Anuradha Joshi	F305
ETRX-TE-5-16	TE	Mini-Project 2A	Manali Manohar Thamke	Anushka Jitendra Koli	Dhanshree Deepak Kawade	Vedanti Sandesh Khalapkar	Dr. Sangeeta Joshi	22-08-2022	Monday	3.45pm to 4.45pm	Dr. Sangeeta Joshi	Prof. Anuradha Joshi	F205
ETRX-TE-5-21	TE	Mini-Project 2A	Sahil Sanjay Bhoir	Srushti Malviya	Aayush Bhasin	Om Shetye	Dr. Sangeeta Joshi	22-08-2022	Monday	3.45pm to 4.45pm	Dr. Sangeeta Joshi	Prof. Anuradha Joshi	F205
ETRX-BE-05	BE	Project - 1	Gaurav Rajendra Gosavi	Krishnaprasad Menon	Shubham Wagh	Althamash Khan	Dr. Sheetal Mapare	26-08-2022	Friday	1.45pm to 4.45pm	Dr. Sheetal Mapare	Prof. Akshata Bhat	F302
ETRX-BE-10	BE	Project - 1	Tanay Shamsunder Gawade	Samdarshak Parmeshwar Metkari	Pratik Raju More	Sarvadnya Pandharinath Patil	Dr. Sheetal Mapare	26-08-2022	Friday	1.45pm to 4.45pm	Dr. Sheetal Mapare	Prof. Akshata Bhat	F302
ETRX-SE-3-16	SE	Mini-Project 1A	Aditi lokhande	Neha gawande	Kushangi mahajan	-	Dr. Sheetal Mapare	25-08-2022	Thursday	3.45pm to 4.45pm	Dr. Sheetal Mapare	Prof. Pranita Padhye	F102
ETRX-TE-5-10	TE	Mini-Project 2A	Snehal Sudhakar Chavan	Soumya Ramkrishna	Madhur Prakash Sarda	Harsh Karansing Patil	Dr. Sheetal Mapare	22-08-2022	Monday	3.45pm to 4.45pm	Dr. Sheetal Mapare	Prof. Amaya Pethe	L014B
ETRX-TE-5-22	TE	Mini-Project 2A	Janhvi Gupta	Siddhi Sawant	Kirti Singh	Harshali Mohite	Dr. Sheetal Mapare	22-08-2022	Monday	3.45pm to 4.45pm	Dr. Sheetal Mapare	Prof. Amaya Pethe	L014B

Group ID	Year	Type	Member 1 (TL)	Member 2	Member 3	Member 4	Project Guide	Date	Day	Time	Panel Member - 1	Panel Member-2	Venue
ETRX-BE-02	BE	Project - 1	Nishita Sharad Mhetre	Dhruvali Adesh Joshi	Ashlesha Kishor Mahajan	Apurva Vijay Salve	Prof. Akhil Masurkar	26-08-2022	Friday	1.45pm to 4.45pm	Prof. Akhil Masurkar	Dr. Girish Gidaye	M201
ETRX-BE-06	BE	Project - 1	Kartik Ajit Bodhankar	Yash Prakash Jungade	Raj Keshav Khetale	Shubham Mahesh Dalvi	Prof. Akhil Masurkar	26-08-2022	Friday	1.45pm to 4.45pm	Prof. Akhil Masurkar	Dr. Girish Gidaye	M201
ETRX-TE-5-09	TE	Mini-Project 2A	Vedant Anil Naik	Siddhesh dayanand salian	Tejas Anil Patil	Tejas parab	Prof. Akhil Masurkar	23-08-2022	Tuesday	3.45pm to 4.45pm	Prof. Akhil Masurkar	Dr. Girish Gidaye	M201
ETRX-TE-5-27	TE	Mini-Project 2A	Sristy Dineshchandra Pandey	Aditi Vijay Padawe	Nitin Kailash Pal	Atharva Milind Mhaishalkar	Prof. Akhil Masurkar	23-08-2022	Tuesday	3.45pm to 4.45pm	Prof. Akhil Masurkar	Dr. Girish Gidaye	M201
ETRX-SE-3-06	SE	Mini-Project 1A	Karisma Bhabani Sankar Pasupalak	Kaustubh Sankhe	Ishani Manoj Kushwaha	Amey Balkrishna Yadav	Prof. Akhil Masurkar	25-08-2022	Thursday	2.45pm to 4.45pm	Prof. Akhil Masurkar	Prof. Akshata Bhat	M201
ETRX-SE-3-20	SE	Mini-Project 1A	Shreyansh Ramprakash Kanojia	Sandip Kacharu Pathe	Soham Sandeep Kambl	Pradunya Subhash Patil	Prof. Akhil Masurkar	25-08-2022	Thursday	2.45pm to 4.45pm	Prof. Akhil Masurkar	Prof. Akshata Bhat	M201
ETRX-TE-5-13	TE	Mini-Project 2A	Aditya Jogdand	Khooshi Tembhurne	Ved Gaikwad	Shivam Choughule	Prof. Akshata Bhat	23-08-2022	Tuesday	3.45pm to 4.45pm	Prof. Akshata Bhat	Dr. Nayana Mahajan	F201
ETRX-TE-5-26	TE	Mini-Project 2A	Mayur Kakde	Vaibhavi Auti	Shreja Shinde	-	Prof. Akshata Bhat	23-08-2022	Tuesday	3.45pm to 4.45pm	Prof. Akshata Bhat	Dr. Nayana Mahajan	F201
ETRX-BE-09	BE	Project - 1	Niharika Avinash Parab	Tushar Lautoo Yadav	Rutuja Sunil Ghuge	Ketaki Shashikant Kelaskar	Prof. Akshata Bhat	26-08-2022	Friday	1.45pm to 4.45pm	Prof. Akshata Bhat	Dr. Sheetal Mapare	F302
ETRX-BE-29	BE	Project - 1	Kartik Milind Janjal	Aryan Vinod Rajput	Harshavardhan Rajendra Shegaonkar	Harsh Shyam Meshram	Prof. Akshata Bhat	26-08-2022	Friday	1.45pm to 4.45pm	Prof. Akshata Bhat	Dr. Sheetal Mapare	F302
ETRX-SE-3-05	SE	Mini-Project 1A	Aditya Shivraj Jalkote	Manas Bhanudas Dube	Bhushan Jaywant Gaonkar	Divyank Rameshwar Kadu	Prof. Akshata Bhat	25-08-2022	Thursday	2.45pm to 4.45pm	Prof. Akshata Bhat	Prof. Akhil Masurkar	M201
ETRX-TE-5-15	TE	Mini-Project 2A	Soham Ganesh Bagde	Pratik Ramesh soundalkar	Arman Rameshwar Gupta	Ashish Vilas gudhekar	Prof. Amaya Pethe	23-08-2022	Tuesday	3.45pm to 4.45pm	Prof. Amaya Pethe	Dr. Sheetal Mapare	L014B
ETRX-TE-5-25	TE	Mini-Project 2A	Prathamesh Hemant Gothankar	Aryan Vichare	Rushikesh Badhe	Suraj Waghmare	Prof. Amaya Pethe	23-08-2022	Tuesday	3.45pm to 4.45pm	Prof. Amaya Pethe	Dr. Sheetal Mapare	L014B
ETRX-BE-18	BE	Project - 1	Shubham Chavan	Pratik Darade	Rudrant Ukirde	Sourav Mohile	Prof. Amaya Pethe	26-08-2022	Friday	3.45pm to 4.45pm	Prof. Amaya Pethe	Prof. Manoj Suryawanshi	L14A

Group ID	Year	Type	Member 1 (TL)	Member 2	Member 3	Member 4	Project Guide	Date	Day	Time	Panel Member - 1	Panel Member-2	Venue
ETRX-SE-3-02	SE	Mini-Project 1A	Harshal Anil Chavan	Ajinkya Kishor Birari	Divya Ravindra Sasane	Viraj Vijay Chandorkar	Prof. Amaya Pethe	25-08-2022	Thursday	2.45pm to 4.45pm	Prof. Amaya Pethe	Prof. Pravin Annadate	L014A
ETRX-SE-3-26	SE	Mini-Project 1A	Chandrashekar Wagh	Shantanu Ahire	-	-	Prof. Amaya Pethe	25-08-2022	Thursday	2.45pm to 4.45pm	Prof. Amaya Pethe	Prof. Pravin Annadate	L014A
ETRX-SE-3-22	SE	Mini-Project 1A	Abhay Rajesh pandey	Siddhesh Nanashebnakate	Shital Vinayak shingade	Sumer satish sail	Prof. Amol Sakhalkar	25-08-2022	Thursday	2.45pm to 4.45pm	Prof. Amol Sakhalkar	Prof. Akshata Bhat	M201
ETRX-TE-5-37	TE	Mini-Project 2A	Tejas Bhandare	Shreyas Tukrul	Siddhant Dethe	Tejas Brid	Prof. Amol Sakhalkar	22-08-2022	Monday	3.45pm to 4.45pm	Prof. Amol Sakhalkar	Prof. Manoj Suryawanshi	F302
ETRX-TE-5-39	TE	Mini-Project 2A	Omkar Nipanikar	Reshmi Sekaran	Ritik Panja	-	Prof. Amol Sakhalkar	22-08-2022	Monday	3.45pm to 4.45pm	Prof. Amol Sakhalkar	Prof. Manoj Suryawanshi	F302
ETRX-BE-23	BE	Project - 1	Raj Deepak Karande	Bhuvan Kishor Ramane	Yash Ravindra Pataskar	Prateek Suryaprakash Jampana	Prof. Anuradha Joshi	26-08-2022	Friday	3.45pm to 4.45pm	Prof. Anuradha Joshi	Dr. Nayana Mahajan	F201
ETRX-SE-3-13	SE	Mini-Project 1A	Harsh Basraj Mondi	Hartik Haridas Shingte	Gandhar Sudhir Sidhaye	Aditi Vikas Datekar	Prof. Anuradha Joshi	25-08-2022	Thursday	2.45pm to 4.45pm	Prof. Anuradha Joshi	Dr. Sangeeta Joshi	F305
ETRX-TE-5-14	TE	Mini-Project 2A	Neeraj Ravindra Kamble	Pranav Avinash Shinde	Nishant Dinesh Choudhary	Durvesh Sanjay Nikam	Prof. Anuradha Joshi	23-08-2022	Tuesday	3.45pm to 4.45pm	Prof. Anuradha Joshi	Dr. Sangeeta Joshi	F205
ETRX-TE-5-38	TE	Mini-Project 2A	Viraj Gangan	Faisal Hussain	Kartik Chauhan	Vikash Dara	Prof. Anuradha Joshi	23-08-2022	Tuesday	3.45pm to 4.45pm	Prof. Anuradha Joshi	Dr. Sangeeta Joshi	F205
ETRX-BE-15	BE	Project - 1	Zahier Mir	Murtaza Ali	Adhyay Jadhav	Tilak Magodia	Prof. Javed Patel	26-08-2022	Friday	1.45pm to 4.45pm	Prof. Javed Patel	Dr. Arun Chavan	F201
ETRX-SE-3-11	SE	Mini-Project 1A	ARYAN DHANANJAY LANDGE	AYUSH ASHOK YADAV	ISHAAN PIYUSH JADAV	RUCHIRA ASHISH DHOLE	Prof. Javed Patel	25-08-2022	Thursday	2.45pm to 4.45pm	Prof. Javed Patel	Dr. Arun Chavan	F102
ETRX-SE-3-14	SE	Mini-Project 1A	Sarvesh mahesh chavan	Arya amit mohite	Sushant ashok phad	Aashish sudeshtodankar	Prof. Javed Patel	25-08-2022	Thursday	2.45pm to 4.45pm	Prof. Javed Patel	Dr. Arun Chavan	F102
ETRX-TE-5-04	TE	Mini-Project 2A	Chaitanya Rane	Pritish Paul	Meet Limbani	-	Prof. Javed Patel	23-08-2022	Tuesday	3.45pm to 4.45pm	Prof. Javed Patel	Dr. Arun Chavan	F102
ETRX-TE-5-33	TE	Mini-Project 2A	Yash Anil Shinde	Smruti Sunil Yadav	Rachit Roy	Sakshi Santosh Sawant	Prof. Javed Patel	23-08-2022	Tuesday	3.45pm to 4.45pm	Prof. Javed Patel	Dr. Arun Chavan	F102

Group ID	Year	Type	Member 1 (TL)	Member 2	Member 3	Member 4	Project Guide	Date	Day	Time	Panel Member - 1	Panel Member-2	Venue
ETRX-BE-20	BE	Project - 1	Shaikh Sufiyan Ahmed	Karan Pandit	Sahil Gamare	-	Prof. Manoj Suryawanshi	26-08-2022	Friday	3.45pm to 4.45pm	Prof. Manoj Suryawanshi	Prof. Amaya Pethe	L14A
ETRX-BE-24	BE	Project - 1	Aayush Ajit Berde	Rutwiji Abhijit Mulye	Anmol Anil Singh	Vishwas Singh Bist	Prof. Manoj Suryawanshi	26-08-2022	Friday	3.45pm to 4.45pm	Prof. Manoj Suryawanshi	Prof. Amaya Pethe	L14A
ETRX-TE-5-12	TE	Mini-Project 2A	Mithilesh Satish Kavade	Prasad Narendra Deshmukh	Sankalp Raju Mhatre	Mayank Chandrakant Patil	Prof. Manoj Suryawanshi	23-08-2022	Tuesday	3.45pm to 4.45pm	Prof. Manoj Suryawanshi	Prof. Amol Sakhalkar	F302
ETRX-TE-5-20	TE	Mini-Project 2A	Aditya Singh	Gourang Gadgil	Komal Tambe	Prateek Rasalkar	Prof. Manoj Suryawanshi	23-08-2022	Tuesday	3.45pm to 4.45pm	Prof. Manoj Suryawanshi	Prof. Amol Sakhalkar	F302
ETRX-SE-3-10	SE	Mini-Project 1A	Dipendra Premchand jain	Akshay shaji Thomas	Navneet pradeep Dubey	Vishesh sushil Sharma	Prof. Manoj Suryawanshi	25-08-2022	Thursday	2.45pm to 4.45pm	Prof. Manoj Suryawanshi	Prof. Nisy Mathew	L012A
ETRX-SE-3-19	SE	Mini-Project 1A	Kshitij Ramesh Kamble	Vinit Medhe	Shubham Pravin Pawar	Sumit Pawar	Prof. Manoj Suryawanshi	25-08-2022	Thursday	2.45pm to 4.45pm	Prof. Manoj Suryawanshi	Prof. Nisy Mathew	L012A
ETRX-SE-3-18	SE	Mini-Project 1A	Vedant Ajay Tawde	Yash sandeep jadhav	Avanti pradip hirnaik	Ganesh nagesh jangal	Prof. Nisy Mathew	25-08-2022	Thursday	2.45pm to 4.45pm	Prof. Nisy Mathew	Prof. Manoj Suryawanshi	L012A
ETRX-SE-3-21	SE	Mini-Project 1A	Aman Ravikumar	Tejal Jaiswal Mahesh	Sairaj Redekar sandesh	Sakshi vichare sandeep	Prof. Nisy Mathew	25-08-2022	Thursday	2.45pm to 4.45pm	Prof. Nisy Mathew	Prof. Manoj Suryawanshi	L012A
ETRX-TE-5-03	TE	Mini-Project 2A	Zishan Zuberli shaikh	Shahil khan	Prajakta chinkate	Chetan Arun Kirange	Prof. Nisy Mathew	22-08-2022	Monday	3.45pm to 4.45pm	Prof. Nisy Mathew	Prof. Pranita Padhye	F305
ETRX-TE-5-31	TE	Mini-Project 2A	Shubham .S. Chavan	Arpan Sharma	Ashish Thakur	Aman Yadav	Prof. Nisy Mathew	22-08-2022	Monday	3.45pm to 4.45pm	Prof. Nisy Mathew	Prof. Pranita Padhye	F305
ETRX-BE-07	BE	Project - 1	Soham Dalvi	Deepak Varak	Ruchira Gupte	Asmita Bhekre	Prof. Nisy Mathew	26-08-2022	Friday	1.45pm to 4.45pm	Prof. Nisy Mathew	Prof. Rajashree Soman	L12B
ETRX-BE-28	BE	Project - 1	Kashmira Namdev Kor	Sanchit Shrinivas Deshpande	Srishti Anil Sharma	Mohd Kaif Abdul Rashid Idrisi	Prof. Nisy Mathew	26-08-2022	Friday	1.45pm to 4.45pm	Prof. Nisy Mathew	Prof. Rajashree Soman	L12B
ETRX-BE-11	BE	Project - 1	Sahil Malthankar	Darshan Jain	Ashish Waghmare	Dhanshree Kamble	Prof. Pranita Padhye	26-08-2022	Friday	1.45pm to 4.45pm	Prof. Pranita Padhye	Dr. Sangeeta Joshi	F205

Group ID	Year	Type	Member 1 (TL)	Member 2	Member 3	Member 4	Project Guide	Date	Day	Time	Panel Member - 1	Panel Member-2	Venue
ETRX-BE-19	BE	Project - 1	Sameer Satpute	Shubham Wairkar	Vaibhav Maske	Sahil Dekhane	Prof. Pranita Padhye	26-08-2022	Friday	1.45pm to 4.45pm	Prof. Pranita Padhye	Dr. Sangeeta Joshi	F205
ETRX-SE-3-12	SE	Mini-Project 1A	Kaustubh Milind Pimpalkhare	Anurag Nishad Khataavkar	Devang Jaswant Patel	Ameay Prasanna Thorat	Prof. Pranita Padhye	25-08-2022	Thursday	3.45pm to 4.45pm	Prof. Pranita Padhye	Dr. Sheetal Mapare	F102
ETRX-TE-5-11	TE	Mini-Project 2A	Himanshu Parmar	Shadaj Adesh Joshi	Soham Shiktode	Manas Bhalekar	Prof. Pranita Padhye	23-08-2022	Tuesday	3.45pm to 4.45pm	Prof. Pranita Padhye	Prof. Nisy Mathew	F305
ETRX-TE-5-19	TE	Mini-Project 2A	Sanskar Halwai	SOURMYA SAHU	Kaustubh Dalvi	Soham Satalkar	Prof. Pranita Padhye	23-08-2022	Tuesday	3.45pm to 4.45pm	Prof. Pranita Padhye	Prof. Nisy Mathew	F305
ETRX-SE-3-25	SE	Mini-Project 1A	Meet Umesh Malpure	Aditya Pradeep Chavan	Atharva Pranesh Aurangabdkar	Piyush Anil Walhekar	Prof. Pravin Annadate	25-08-2022	Thursday	2.45pm to 4.45pm	Prof. Pravin Annadate	Prof. Amaya Pethe	L014A
ETRX-BE-16	BE	Project - 1	Ketan Kamble	Gaurav Kumar	-	-	Prof. Pravin Annadate	26-08-2022	Friday	1.45pm to 4.45pm	Prof. Pravin Annadate	Prof. Rakshak Sood	L14B
ETRX-BE-17	BE	Project - 1	Anushka Mukherjee	Atulkumar Gaud	Gautam Patil	Manas Shinde	Prof. Pravin Annadate	26-08-2022	Friday	1.45pm to 4.45pm	Prof. Pravin Annadate	Prof. Rakshak Sood	L14B
ETRX-TE-5-01	TE	Mini-Project 2A	Pranal Basudev Maji	Rahul Balaji Pawar	Rohit Ramnath Prasad	Yogendra Rajesh Upadhye	Prof. Pravin Annadate	22-08-2022	Monday	3.45pm to 4.45pm	Prof. Pravin Annadate	Prof. Rakshak Sood	L014A
ETRX-TE-5-35	TE	Mini-Project 2A	Sahil Sharma	Bhargav Rane	Shritej Magare	Ronak Nawal	Prof. Pravin Annadate	22-08-2022	Monday	3.45pm to 4.45pm	Prof. Pravin Annadate	Prof. Rakshak Sood	L014A
ETRX-BE-03	BE	Project - 1	Pragati Rajesh Mali	Mitali Vivek Bandekar	Prathamesh Sanjog Satam	-	Prof. Rajashree Soman	26-08-2022	Friday	1.45pm to 4.45pm	Prof. Rajashree Soman	Prof. Nisy Mathew	L12B
ETRX-BE-04	BE	Project - 1	Sunjanaka Katke	Atharva Sohani	Rucha Patil	Darshankumar Mohite	Prof. Rajashree Soman	26-08-2022	Friday	1.45pm to 4.45pm	Prof. Rajashree Soman	Prof. Nisy Mathew	L12B
ETRX-SE-3-24	SE	Mini-Project 1A	Shailendra singh	Amitabh tayade	Vibhor chavan	-	Prof. Rajashree Soman	25-08-2022	Thursday	2.45pm to 4.45pm	Prof. Rajashree Soman	Prof. Rakshak Sood	L014B
ETRX-TE-5-05	TE	Mini-Project 2A	Aabha Vaibhav Kadam	Krutika Prakash Jagtap	Arsalan Rangoonwala	Sachet Shetty	Prof. Rajashree Soman	24-08-2022	Wednesday	3.45pm to 4.45pm	Prof. Rajashree Soman	Prof. Amol Sakhalkar	F102
ETRX-TE-5-29	TE	Mini-Project 2A	Kaustubh Dinanath Toraskar	Owais Mehboob Ansari	Prathamesh Dhiraj Rajapurkar	Shubham Gorakhnath Pathade	Prof. Rajashree Soman	24-08-2022	Wednesday	3.45pm to 4.45pm	Prof. Rajashree Soman	Prof. Amol Sakhalkar	F102

Group ID	Year	Type	Member 1 (TL)	Member 2	Member 3	Member 4	Project Guide	Date	Day	Time	Panel Member - 1	Panel Member-2	Venue
ETRX-BE-08	BE	Project - 1	Shruti Biyani	Anushka Rane	Rithika Kothur	Tanvee Jaiswal	Prof. Rakshak Sood	26-08-2022	Friday	1.45pm to 4.45pm	Prof. Rakshak Sood	Prof. Pravin Annadate	L14B
ETRX-TE-5-06	TE	Mini-Project 2A	Anushka Sampat Chavrekar	Ayush Lodhi	Suchita Nageshwarrao Gunda	Mukund Umesh Ghuge	Prof. Rakshak Sood	22-08-2022	Tuesday	3.45pm to 4.45pm	Prof. Rakshak Sood	Prof. Pravin Annadate	L014A
ETRX-TE-5-28	TE	Mini-Project 2A	Soham Anant Kirtane	Isha Rajesh Mandole	Divya Khedekar	Aayush singh	Prof. Rakshak Sood	22-08-2022	Tuesday	3.45pm to 4.45pm	Prof. Rakshak Sood	Prof. Pravin Annadate	L014A
ETRX-SE-3-17	SE	Mini-Project 1A	Sagar Pravin Shinde	Abhishek Shivanurag Dubey	Anirudh Anindya Nandi	Heramba Ashish Narvekar	Prof. Rakshak Sood	25-08-2022	Thursday	2.45pm to 4.45pm	Prof. Rakshak Sood	Prof. Rajashree Soman	L014B
ETRX-BE-31	BE	Project - 1	Mustafa Mansoori	Fardeen Khan	Vinayak Sutar	-	Prof. Sheetal Patil	26-08-2022	Friday	1.45pm to 4.45pm	Prof. Sheetal Patil	Prof. Uma Jaishankar	F305
ETRX-TE-5-17	TE	Mini-Project 2A	Adarsh santosh mishra	Prathamesh devkar	Sachin Yaduvandu	-	Prof. Sheetal Patil	22-08-2022	Monday	3.45pm to 4.45pm	Prof. Sheetal Patil	Prof. Uma Jaishankar	F301
ETRX-TE-5-23	TE	Mini-Project 2A	Navdeep chandrakant patil	Manjiri Manojkumar Patil	Sakshi Kishore Bhosale	-	Prof. Sheetal Patil	22-08-2022	Monday	3.45pm to 4.45pm	Prof. Sheetal Patil	Prof. Uma Jaishankar	F301
ETRX-SE-3-27	SE	Mini-Project 1A	Nidhi Dabholkar	Vaishnavi Warang	Om Bhosale	Omkar Shedge	Prof. Sheetal Patil	25-08-2022	Thursday	3.45pm to 4.45pm	Prof. Sheetal Patil	Dr. Girish Gidaye	F201
ETRX-SE-3-03	SE	Mini-Project 1A	Uday Eshwaraprasad Amballa	Bhalchandra sudhir pimpalkar	Gaurav Sunil Tambe	Aaryan Prakash Sonawane	Prof. Uma Jaishankar	25-08-2022	Thursday	2.45pm to 4.45pm	Prof. Uma Jaishankar	Dr. Nayana Mahajan	F301
ETRX-SE-3-23	SE	Mini-Project 1A	Akansha Bhagwan Rakshe	Anurag Sudhir Bhole	Sujal Pravin Kesharwani	Smruti Girish Naik	Prof. Uma Jaishankar	25-08-2022	Thursday	2.45pm to 4.45pm	Prof. Uma Jaishankar	Dr. Nayana Mahajan	F301
ETRX-BE-13	BE	Project - 1	Sumant Narendra Puranik	Parth Pralhad Thakur	Harsh Deepak Singh	pranit	Prof. Uma Jaishankar	26-08-2022	Friday	1.45pm to 4.45pm	Prof. Uma Jaishankar	Prof. Sheetal Patil	F305
ETRX-BE-27	BE	Project - 1	Anurag Navin Bhandary	Shubham Santosh Salvi	Aniket Sanjay Gangurde	Pranav Vikas Vadnere	Prof. Uma Jaishankar	26-08-2022	Friday	1.45pm to 4.45pm	Prof. Uma Jaishankar	Prof. Sheetal Patil	F305
ETRX-TE-5-18	TE	Mini-Project 2A	Aaroh Vishwakarma	Pratyush Raut	Aishwarya Jadhav	Tejas Ugale	Prof. Uma Jaishankar	22-08-2022	Tuesday	3.45pm to 4.45pm	Prof. Uma Jaishankar	Prof. Sheetal Patil	F301
ETRX-TE-5-30	TE	Mini-Project 2A	Sahil Khan Akbar Khan Pathan	Harsh D. Gadiwan	Rupesh Dnyaneshwar Khanzode	-	Prof. Uma Jaishankar	22-08-2022	Tuesday	3.45pm to 4.45pm	Prof. Uma Jaishankar	Prof. Sheetal Patil	F301

Students are to make a proper PPT for presentation purpose during all the above activities.

Students need to be well dressed during presentation.

All concerned to note the date & time and be ready accordingly.

Prof. Akhil Masurkar
Project Co-ordinator
Department of Electronics Engineering

Departmental Project Review – 2

Group ID	Year	Type	Member 1 (TL)	Member 2	Member 3	Member 4	Project Guide	Day	Date	Time	Panel Member-1	Panel Member-2	Venue
ETRX-TE-5-24	TE	Mini-Project 2A	Atharva Sudhir Wadekar	Siddhi Yashwant Gawade	Omkar Raju Pisal	Deep Vijay Lad	Dr. Arun Chavan	Monday	31-10-2022	3.45pm to 4.45pm	Dr. Arun Chavan	Prof. Javed Patel	F102
ETRX-TE-5-32	TE	Mini-Project 2A	Ritesh Prajapati	Purvashi walkar	Vikrant Kale	Esha Thakur	Dr. Arun Chavan	Monday	31-10-2022	3.45pm to 4.45pm	Dr. Arun Chavan	Prof. Javed Patel	F102
ETRX-SE-3-01	SE	Mini-Project 1A	Omkar Vinod Daggula	Meet Digambar Shinde	Dikshita Belchada	Sarthak Waghmode	Dr. Arun Chavan	Thursday	03-11-2022	2.45pm to 4.45pm	Dr. Arun Chavan	Prof. Javed Patel	F102
ETRX-BE-01	BE	Project - 1	Pranjali Suresh Jadhav	Sanmesh Sanjay Shintre	Divya Jitendra Jain	Anusha Anand Sarla	Dr. Arun Chavan	Friday	04-11-2022	1.45pm to 4.45pm	Dr. Arun Chavan	Prof. Javed Patel	F201
ETRX-BE-22	BE	Project - 1	Srushti Bomble	Hardik Nabar	Sahil Shirke	Rutuja Chavan	Dr. Arun Chavan	Friday	04-11-2022	1.45pm to 4.45pm	Dr. Arun Chavan	Prof. Javed Patel	F201
ETRX-TE-5-07	TE	Mini-Project 2A	Jayesh Vilas Raut	Anaya Varun Sathe	Aditya Chandrakant Salve	Aayush Kamalakar Kanholikar	Dr. Girish Gidaye	Monday	31-10-2022	3.45pm to 4.45pm	Dr. Girish Gidaye	Prof. Akhil Masurkar	M201
ETRX-TE-5-08	TE	Mini-Project 2A	Chhaya Sharma	Vishakha kailas zanke	Shubham Vinod Bari	Mohammed sufiyan bepari	Dr. Girish Gidaye	Monday	31-10-2022	3.45pm to 4.45pm	Dr. Girish Gidaye	Prof. Akhil Masurkar	M201
ETRX-SE-3-04	SE	Mini-Project 1A	Anushka Rawat	Samit Sahare	Sai patangrao shinde	Mrudula Rajesh Jadhav	Dr. Girish Gidaye	Thursday	03-11-2022	3.45pm to 4.45pm	Dr. Girish Gidaye	Prof. Sheetal Patil	F201
ETRX-BE-14	BE	Project - 1	Akshay D. Salunkhe	Omkar Pol	Ganesh Kumbhar	Sankalp Gambhir	Dr. Girish Gidaye	Friday	04-11-2022	1.45pm to 4.45pm	Dr. Girish Gidaye	Prof. Akhil Masurkar	M201
ETRX-BE-26	BE	Project - 1	Vaibhav Suresh Shenoy	Mandar Jaiwant Kulkarni	Hemant Suresh Bhoir	Chirag Vijay Jadhav	Dr. Girish Gidaye	Friday	04-11-2022	1.45pm to 4.45pm	Dr. Girish Gidaye	Prof. Akhil Masurkar	M201
ETRX-TE-5-02	TE	Mini-Project 2A	Gaurav Shailesh Bhadoria	Kedar Mandar Vaidya	Harsh Radharaman Purohit	Pratham Anil Tetgure	Dr. Nayana Mahajan	Monday	31-10-2022	3.45pm to 4.45pm	Dr. Nayana Mahajan	Prof. Akshata Bhat	F201
ETRX-TE-5-34	TE	Mini-Project 2A	Arya A. Mhatre	Tanaya S. Palav	Anish Sujit Jadhav	Nidhi Baban Sangle	Dr. Nayana Mahajan	Monday	31-10-2022	3.45pm to 4.45pm	Dr. Nayana Mahajan	Prof. Akshata Bhat	F201
ETRX-TE-5-36	TE	Mini-Project 2A	Basharat Shaikh	Vansh Jain	Farhan Khan	Sparsh Teli	Dr. Nayana Mahajan	Monday	31-10-2022	3.45pm to 4.45pm	Dr. Nayana Mahajan	Prof. Akshata Bhat	F201
ETRX-SE-3-07	SE	Mini-Project 1A	Rohit Thakur	Shantanu Tembhurne	Yog Duryodhan	Vivek Rajesh Gawai	Dr. Nayana Mahajan	Thursday	03-11-2022	2.45pm to 4.45pm	Dr. Nayana Mahajan	Prof. Uma Jaishankar	F301
ETRX-SE-3-09	SE	Mini-Project 1A	Shankar Vadivel Konar	Abhishek Nandlal Gupta	Bharat Baskar Nadar	Sanket kamleshankar Mishra	Dr. Nayana Mahajan	Thursday	03-11-2022	2.45pm to 4.45pm	Dr. Nayana Mahajan	Prof. Uma Jaishankar	F301

Group ID	Year	Type	Member 1 (TL)	Member 2	Member 3	Member 4	Project Guide	Day	Date	Time	Panel Member-1	Panel Member-2	Venue
ETRX-BE-12	BE	Project - 1	Ashish Surendra Gosavi	Rohit Suresh Sawant	Rohit Mohite	-	Dr. Nayana Mahajan	Friday	04-11-2022	3.45pm to 4.45pm	Dr. Nayana Mahajan	Prof. Anuradha Joshi	F201
ETRX-BE-21	BE	Project - 1	Pritesh Prakash Lendale	Siva Kumar Malayandi Yadav	Sudhanshu Prasad Mulye	Pooja Dhananjay Kumthekar	Dr. Nayana Mahajan	Friday	04-11-2022	3.45pm to 4.45pm	Dr. Nayana Mahajan	Prof. Anuradha Joshi	F201
ETRX-TE-5-16	TE	Mini-Project 2A	Manali Manohar Thamke	Anushka Jitendra Koli	Dhanshree Deepak Kawade	Vedanti Sandesh Khalapkar	Dr. Sangeeta Joshi	Monday	31-10-2022	3.45pm to 4.45pm	Dr. Sangeeta Joshi	Prof. Anuradha Joshi	F205
ETRX-TE-5-21	TE	Mini-Project 2A	Sahil Sanjay Bhoir	Srushti Malviya	Aayush Bhasin	Om Shetye	Dr. Sangeeta Joshi	Monday	31-10-2022	3.45pm to 4.45pm	Dr. Sangeeta Joshi	Prof. Anuradha Joshi	F205
ETRX-SE-3-08	SE	Mini-Project 1A	Rohan Santosh Shinde	Khushi Sudhir Bawane	Riya Rakesh Shivhare	Abhishek Shanti Bhushan yadav	Dr. Sangeeta Joshi	Thursday	03-11-2022	2.45pm to 4.45pm	Dr. Sangeeta Joshi	Prof. Anuradha Joshi	F305
ETRX-SE-3-15	SE	Mini-Project 1A	Soham Karulkar	Neeti Thakkar	Ansh Tripathi	Abhishek Mhatre	Dr. Sangeeta Joshi	Thursday	03-11-2022	2.45pm to 4.45pm	Dr. Sangeeta Joshi	Prof. Anuradha Joshi	F305
ETRX-BE-25	BE	Project - 1	Prathamesh Dattaram Khandare	Sourabh Rajendra Shelar	Dishan Ashraf Mukadam	Shivam Subhash Bangar	Dr. Sangeeta Joshi	Friday	04-11-2022	1.45pm to 4.45pm	Dr. Sangeeta Joshi	Prof. Pranita Padhye	F205
ETRX-BE-30	BE	Project - 1	Kaushal Kiran Mhatre	Vinayak Vilas Shinde	Amol Sopan Dhone	-	Dr. Sangeeta Joshi	Friday	04-11-2022	1.45pm to 4.45pm	Dr. Sangeeta Joshi	Prof. Pranita Padhye	F205
ETRX-TE-5-10	TE	Mini-Project 2A	Snehal Sudhakar Chavan	Soumya Ramkrishna	Madhur Prakash Sarda	Harsh Karansing Patil	Dr. Sheetal Mapare	Monday	31-10-2022	3.45pm to 4.45pm	Dr. Sheetal Mapare	Prof. Amaya Pethe	L014B
ETRX-TE-5-22	TE	Mini-Project 2A	Janhvi Gupta	Siddhi Sawant	Kirti Singh	Harshali Mohite	Dr. Sheetal Mapare	Monday	31-10-2022	3.45pm to 4.45pm	Dr. Sheetal Mapare	Prof. Amaya Pethe	L014B
ETRX-SE-3-16	SE	Mini-Project 1A	Aditi lokhande	Neha gawande	Kushangi mahajan	-	Dr. Sheetal Mapare	Thursday	03-11-2022	3.45pm to 4.45pm	Dr. Sheetal Mapare	Prof. Pranita Padhye	F102
ETRX-BE-05	BE	Project - 1	Gaurav Rajendra Gosavi	Krishnaprasad Menon	Shubham Wagh	Althamash Khan	Dr. Sheetal Mapare	Friday	04-11-2022	1.45pm to 4.45pm	Dr. Sheetal Mapare	Prof. Akshata Bhat	F302
ETRX-BE-10	BE	Project - 1	Tanay Shamsunder Gawade	Samdarshak Parmeshwar Metkari	Pratik Raju More	Sarvadnya Pandharinath Patil	Dr. Sheetal Mapare	Friday	04-11-2022	1.45pm to 4.45pm	Dr. Sheetal Mapare	Prof. Akshata Bhat	F302
ETRX-TE-5-09	TE	Mini-Project 2A	Vedant Anil Naik	Siddhesh dayanand salian	Tejas Anil Patil	Tejas parab	Prof. Akhil Masurkar	Tuesday	01-11-2022	3.45pm to 4.45pm	Prof. Akhil Masurkar	Dr. Girish Gidaye	M201

Group ID	Year	Type	Member 1 (TL)	Member 2	Member 3	Member 4	Project Guide	Day	Date	Time	Panel Member-1	Panel Member-2	Venue
ETRX-TE-5-27	TE	Mini-Project 2A	Sristy Dineshchandra Pandey	Aditi Vijay Padawe	Nitin Kailash Pal	Atharva Milind Mhaishalkar	Prof. Akhil Masurkar	Tuesday	01-11-2022	3.45pm to 4.45pm	Prof. Akhil Masurkar	Dr. Girish Gidaye	M201
ETRX-SE-3-06	SE	Mini-Project 1A	Karisma Bhabani Sankar Pasupalak	Kaustubh Sankhe	Ishani Manoj Kushwaha	Amey Balkrishna Yadav	Prof. Akhil Masurkar	Thursday	03-11-2022	2.45pm to 4.45pm	Prof. Akhil Masurkar	Prof. Akshata Bhat	M201
ETRX-SE-3-20	SE	Mini-Project 1A	Shreyansh Ramprakash Kanojia	Sandip Kacharu Pathe	Soham Sandeep Kambli	Pradunya Subhash Patil	Prof. Akhil Masurkar	Thursday	03-11-2022	2.45pm to 4.45pm	Prof. Akhil Masurkar	Prof. Akshata Bhat	M201
ETRX-BE-02	BE	Project - 1	Nishita Sharad Mhetre	Dhruvali Adesh Joshi	Ashlesha Kishor Mahajan	Apurva Vijay Salve	Prof. Akhil Masurkar	Friday	04-11-2022	1.45pm to 4.45pm	Prof. Akhil Masurkar	Dr. Girish Gidaye	M201
ETRX-BE-06	BE	Project - 1	Kartik Ajit Bodhankar	Yash Prakash Jungade	Raj Keshav Khetale	Shubham Mahesh Dalvi	Prof. Akhil Masurkar	Friday	04-11-2022	1.45pm to 4.45pm	Prof. Akhil Masurkar	Dr. Girish Gidaye	M201
ETRX-TE-5-13	TE	Mini-Project 2A	Aditya Jogdand	Khooshi Tembhurne	Ved Gaikwad	Shivam Choughule	Prof. Akshata Bhat	Tuesday	01-11-2022	3.45pm to 4.45pm	Prof. Akshata Bhat	Dr. Nayana Mahajan	F201
ETRX-TE-5-26	TE	Mini-Project 2A	Mayur Kakde	Vaibhavi Auti	Shreja Shinde	-	Prof. Akshata Bhat	Tuesday	01-11-2022	3.45pm to 4.45pm	Prof. Akshata Bhat	Dr. Nayana Mahajan	F201
ETRX-SE-3-05	SE	Mini-Project 1A	Aditya Shivraj Jalkote	Manas Bhanudas Dube	Bhushan Jaywant Gaonkar	Divyank Rameshwar Kadu	Prof. Akshata Bhat	Thursday	03-11-2022	2.45pm to 4.45pm	Prof. Akshata Bhat	Prof. Akhil Masurkar	M201
ETRX-BE-09	BE	Project - 1	Niharika Avinash Parab	Tushar Lautoo Yadav	Rutuja Sunil Ghuge	Ketaki Shashikant Kelaskar	Prof. Akshata Bhat	Friday	04-11-2022	1.45pm to 4.45pm	Prof. Akshata Bhat	Dr. Sheetal Mapare	F302
ETRX-BE-29	BE	Project - 1	Kartik Milind Janjal	Aryan Vinod Rajput	Harshvardhan Rajendra Shegaonkar	Harsh Shyam Meshram	Prof. Akshata Bhat	Friday	04-11-2022	1.45pm to 4.45pm	Prof. Akshata Bhat	Dr. Sheetal Mapare	F302
ETRX-TE-5-15	TE	Mini-Project 2A	Soham Ganesh Bagde	Pratik Ramesh soundalkar	Arman Rameshwar Gupta	Ashish Vilas gudhekar	Prof. Amaya Pethe	Tuesday	01-11-2022	3.45pm to 4.45pm	Prof. Amaya Pethe	Dr. Sheetal Mapare	L014B
ETRX-TE-5-25	TE	Mini-Project 2A	Prathamesh Hemant Gothankar	Aryan Vichare	Rushikesh Badhe	Suraj Waghmare	Prof. Amaya Pethe	Tuesday	01-11-2022	3.45pm to 4.45pm	Prof. Amaya Pethe	Dr. Sheetal Mapare	L014B
ETRX-SE-3-02	SE	Mini-Project 1A	Harshal Anil Chavan	Ajinkya Kishor Birari	Divya Ravindra Sasane	Viraj Vijay Chandorkar	Prof. Amaya Pethe	Thursday	03-11-2022	2.45pm to 4.45pm	Prof. Amaya Pethe	Prof. Pravin Annadate	L014A
ETRX-SE-3-26	SE	Mini-Project 1A	Chandrashekar Wagh	Shantanu Ahire	-	-	Prof. Amaya Pethe	Thursday	03-11-2022	2.45pm to 4.45pm	Prof. Amaya Pethe	Prof. Pravin Annadate	L014A
ETRX-BE-18	BE	Project - 1	Shubham Chavan	Pratik Darade	Rudrant Ukirde	Sourav Mohile	Prof. Amaya Pethe	Friday	04-11-2022	3.45pm to 4.45pm	Prof. Amaya Pethe	Prof. Manoj Suryawanshi	L14A

Group ID	Year	Type	Member 1 (TL)	Member 2	Member 3	Member 4	Project Guide	Day	Date	Time	Panel Member-1	Panel Member-2	Venue
ETRX-TE-5-37	TE	Mini-Project 2A	Tejas Bhandare	Shreyas Tukrul	Siddhant Detha	Tejas Brid	Prof. Amol Sakhalkar	Monday	31-10-2022	3.45pm to 4.45pm	Prof. Amol Sakhalkar	Prof. Manoj Suryawanshi	F302
ETRX-TE-5-39	TE	Mini-Project 2A	Omkar Nipanikar	Reshmi Sekaran	Ritik Panja	-	Prof. Amol Sakhalkar	Monday	31-10-2022	3.45pm to 4.45pm	Prof. Amol Sakhalkar	Prof. Manoj Suryawanshi	F302
ETRX-SE-3-22	SE	Mini-Project 1A	Abhay Rajesh pandey	Siddhesh Nanasahb nakate	Shital Vinayak shingade	Sumer satish sail	Prof. Amol Sakhalkar	Thursday	03-11-2022	2.45pm to 4.45pm	Prof. Amol Sakhalkar	Prof. Akshata Bhat	M201
ETRX-TE-5-14	TE	Mini-Project 2A	Neeraj Ravindra Kamble	Pranav Avinash Shinde	Nishant Dinesh Choudhary	Durvash Sanjay Nikam	Prof. Anuradha Joshi	Tuesday	01-11-2022	3.45pm to 4.45pm	Prof. Anuradha Joshi	Dr. Sangeeta Joshi	F205
ETRX-TE-5-38	TE	Mini-Project 2A	Viraj Gangan	Faisal Hussain	Kartik Chauhan	Vikash Dara	Prof. Anuradha Joshi	Tuesday	01-11-2022	3.45pm to 4.45pm	Prof. Anuradha Joshi	Dr. Sangeeta Joshi	F205
ETRX-SE-3-13	SE	Mini-Project 1A	Harsh Basraj Mondi	Hartik Haridas Shingte	Gandhar Sudhir Sidhaye	Aditi Vikas Datekar	Prof. Anuradha Joshi	Thursday	03-11-2022	2.45pm to 4.45pm	Prof. Anuradha Joshi	Dr. Sangeeta Joshi	F305
ETRX-BE-23	BE	Project - 1	Raj Deepak Karande	Bhuvan Kishor Ramane	Yash Ravindra Pataskar	Prateek Suryaprakash Jampana	Prof. Anuradha Joshi	Friday	04-11-2022	3.45pm to 4.45pm	Prof. Anuradha Joshi	Dr. Nayana Mahajan	F201
ETRX-TE-5-04	TE	Mini-Project 2A	Chaitanya Rane	Pritish Paul	Meet Limbani	-	Prof. Javed Patel	Tuesday	01-11-2022	3.45pm to 4.45pm	Prof. Javed Patel	Dr. Arun Chavan	F102
ETRX-TE-5-33	TE	Mini-Project 2A	Yash Anil Shinde	Smruti Sunil Yadav	Rachit Roy	Sakshi Santosh Sawant	Prof. Javed Patel	Tuesday	01-11-2022	3.45pm to 4.45pm	Prof. Javed Patel	Dr. Arun Chavan	F102
ETRX-SE-3-11	SE	Mini-Project 1A	ARYAN DHANANJAY LANDGE	AYUSH ASHOK YADAV	ISHAAN PIYUSH JADAV	RUCHIRA ASHISH DHOLE	Prof. Javed Patel	Thursday	03-11-2022	2.45pm to 4.45pm	Prof. Javed Patel	Dr. Arun Chavan	F102
ETRX-SE-3-14	SE	Mini-Project 1A	Sarvesh mahesh chavan	Arya amit mohite	Sushant ashok phad	Aashish sudeshtodankar	Prof. Javed Patel	Thursday	03-11-2022	2.45pm to 4.45pm	Prof. Javed Patel	Dr. Arun Chavan	F102
ETRX-BE-15	BE	Project - 1	Zahier Mir	Murtaza Ali	Adhyay Jadhav	Tilak Magodia	Prof. Javed Patel	Friday	04-11-2022	1.45pm to 4.45pm	Prof. Javed Patel	Dr. Arun Chavan	F201
ETRX-TE-5-12	TE	Mini-Project 2A	Mithilesh Satish Kavade	Prasad Narendra Deshmukh	Sankalp Raju Mhatre	Mayank Chandrakant Patil	Prof. Manoj Suryawanshi	Tuesday	01-11-2022	3.45pm to 4.45pm	Prof. Manoj Suryawanshi	Prof. Amol Sakhalkar	F302
ETRX-TE-5-20	TE	Mini-Project 2A	Aditya Singh	Gourang Gadgil	Komal Tambe	Prateek Rasalkar	Prof. Manoj Suryawanshi	Tuesday	01-11-2022	3.45pm to 4.45pm	Prof. Manoj Suryawanshi	Prof. Amol Sakhalkar	F302
ETRX-SE-3-10	SE	Mini-Project 1A	Dipendra Premchand jain	Akshay shaji Thomas	Navneet pradeep Dubey	Vishesh sushil Sharma	Prof. Manoj Suryawanshi	Thursday	03-11-2022	2.45pm to 4.45pm	Prof. Manoj Suryawanshi	Prof. Nisy Mathew	L012A

Group ID	Year	Type	Member 1 (TL)	Member 2	Member 3	Member 4	Project Guide	Day	Date	Time	Panel Member-1	Panel Member-2	Venue
ETRX-SE-3-19	SE	Mini-Project 1A	Kshitij Ramesh Kamble	Vinit Medhe	Shubham Pravin Pawar	Sumit Pawar	Prof. Manoj Suryawanshi	Thursday	03-11-2022	2.45pm to 4.45pm	Prof. Manoj Suryawanshi	Prof. Nisy Mathew	L012A
ETRX-BE-20	BE	Project - 1	Shaikh Sufiyan Ahmed	Karan Pandit	Sahil Gamare	-	Prof. Manoj Suryawanshi	Friday	04-11-2022	3.45pm to 4.45pm	Prof. Manoj Suryawanshi	Prof. Amaya Pethe	L14A
ETRX-BE-24	BE	Project - 1	Aayush Ajit Berde	Rutwij Abhijit Mulye	Anmol Anil Singh	Vishwas Singh Bist	Prof. Manoj Suryawanshi	Friday	04-11-2022	3.45pm to 4.45pm	Prof. Manoj Suryawanshi	Prof. Amaya Pethe	L14A
ETRX-TE-5-03	TE	Mini-Project 2A	Zishan Zuberli shaikh	Shahil khan	Prajakta chinkate	Chetan Arun Kirange	Prof. Nisy Mathew	Monday	31-10-2022	3.45pm to 4.45pm	Prof. Nisy Mathew	Prof. Pranita Padhye	F305
ETRX-TE-5-31	TE	Mini-Project 2A	Shubham .S. Chavan	Arpan Sharma	Ashish Thakur	Aman Yadav	Prof. Nisy Mathew	Monday	31-10-2022	3.45pm to 4.45pm	Prof. Nisy Mathew	Prof. Pranita Padhye	F305
ETRX-SE-3-18	SE	Mini-Project 1A	Vedant Ajay Tawde	Yash sandeep jadhav	Avanti pradip hirnaik	Ganesh nagesh jangal	Prof. Nisy Mathew	Thursday	03-11-2022	2.45pm to 4.45pm	Prof. Nisy Mathew	Prof. Manoj Suryawanshi	L012A
ETRX-SE-3-21	SE	Mini-Project 1A	Aman Ravikumar	Tejal Jaiswal Mahesh	Sairaj Redekar sandesh	Sakshi vichare sandeep	Prof. Nisy Mathew	Thursday	03-11-2022	2.45pm to 4.45pm	Prof. Nisy Mathew	Prof. Manoj Suryawanshi	L012A
ETRX-BE-07	BE	Project - 1	Soham Dalvi	Deepak Varak	Ruchira Gupte	Asmita Bhekre	Prof. Nisy Mathew	Friday	04-11-2022	1.45pm to 4.45pm	Prof. Nisy Mathew	Prof. Rajashree Soman	L12B
ETRX-BE-28	BE	Project - 1	Kashmira Namdev Kor	Sanchit Shrinivas Deshpande	Srishti Anil Sharma	Mohd Kaif Abdul Rashid Idrisi	Prof. Nisy Mathew	Friday	04-11-2022	1.45pm to 4.45pm	Prof. Nisy Mathew	Prof. Rajashree Soman	L12B
ETRX-TE-5-11	TE	Mini-Project 2A	Himanshu Parmar	Shadaj Adesh Joshi	Soham Shiktode	Manas Bhalekar	Prof. Pranita Padhye	Tuesday	01-11-2022	3.45pm to 4.45pm	Prof. Pranita Padhye	Prof. Nisy Mathew	F305
ETRX-TE-5-19	TE	Mini-Project 2A	Sanskar Halwai	SOURYA SAHU	Kaustubh Dalvi	Soham Satalkar	Prof. Pranita Padhye	Tuesday	01-11-2022	3.45pm to 4.45pm	Prof. Pranita Padhye	Prof. Nisy Mathew	F305
ETRX-SE-3-12	SE	Mini-Project 1A	Kaustubh Milind Pimpalkhare	Anurag Nishad Khataavkar	Devang Jaswant Patel	Amev Prasanna Thorat	Prof. Pranita Padhye	Thursday	03-11-2022	3.45pm to 4.45pm	Prof. Pranita Padhye	Dr. Sheetal Mapare	F102
ETRX-BE-11	BE	Project - 1	Sahil Malthankar	Darshan Jain	Ashish Waghmare	Dhanshree Kamble	Prof. Pranita Padhye	Friday	04-11-2022	1.45pm to 4.45pm	Prof. Pranita Padhye	Dr. Sangeeta Joshi	F205
ETRX-BE-19	BE	Project - 1	Sameer Satpute	Shubham Wairkar	Vaibhav Maske	Sahil Dekhane	Prof. Pranita Padhye	Friday	04-11-2022	1.45pm to 4.45pm	Prof. Pranita Padhye	Dr. Sangeeta Joshi	F205
ETRX-TE-5-01	TE	Mini-Project 2A	Pranal Basudev Maji	Rahul Balaji Pawar	Rohit Ramnath Prasad	Yogendra Rajesh Upadhye	Prof. Pravin Annadate	Monday	31-10-2022	3.45pm to 4.45pm	Prof. Pravin Annadate	Prof. Rakshak Sood	L014A
ETRX-TE-5-35	TE	Mini-Project 2A	Sahil Sharma	Bhargav Rane	Shritej Magare	Ronak Nawal	Prof. Pravin Annadate	Monday	31-10-2022	3.45pm to 4.45pm	Prof. Pravin Annadate	Prof. Rakshak Sood	L014A

Group ID	Year	Type	Member 1 (TL)	Member 2	Member 3	Member 4	Project Guide	Day	Date	Time	Panel Member-1	Panel Member-2	Venue
ETRX-SE-3-25	SE	Mini-Project 1A	Meet Umesh Malpure	Aditya Pradeep Chavan	Atharva Pranesh Aurangabadkar	Piyush Anil Walhekar	Prof. Pravin Annadate	Thursday	03-11-2022	2.45pm to 4.45pm	Prof. Pravin Annadate	Prof. Amaya Pethe	L014A
ETRX-BE-16	BE	Project - 1	Ketan Kamble	Gaurav Kumar	-	-	Prof. Pravin Annadate	Friday	04-11-2022	1.45pm to 4.45pm	Prof. Pravin Annadate	Prof. Rakshak Sood	L14B
ETRX-BE-17	BE	Project - 1	Anushka Mukherjee	Atulkumar Gaud	Gautam Patil	Manas Shinde	Prof. Pravin Annadate	Friday	04-11-2022	1.45pm to 4.45pm	Prof. Pravin Annadate	Prof. Rakshak Sood	L14B
ETRX-TE-5-05	TE	Mini-Project 2A	Aabha Vaibhav Kadam	Krutika Prakash Jagtap	Arsalan Rangoonwala	Sachet Shetty	Prof. Rajashree Soman	Wednesday	02-11-2022	3.45pm to 4.45pm	Prof. Rajashree Soman	Prof. Amol Sakhalkar	F102
ETRX-TE-5-29	TE	Mini-Project 2A	Kaustubh Dinanath Toraskar	Owais Mehboob Ansari	Prathamesh Dhiraj Rajapurkar	Shubham Gorakhnath Pathade	Prof. Rajashree Soman	Wednesday	02-11-2022	3.45pm to 4.45pm	Prof. Rajashree Soman	Prof. Amol Sakhalkar	F102
ETRX-SE-3-24	SE	Mini-Project 1A	Shailendra singh	Amitabh tayade	Vibhor chavan	-	Prof. Rajashree Soman	Thursday	03-11-2022	2.45pm to 4.45pm	Prof. Rajashree Soman	Prof. Rakshak Sood	L014B
ETRX-BE-03	BE	Project - 1	Pragati Rajesh Mali	Mitali Vivek Bandekar	Prathamesh Sanjog Satam	-	Prof. Rajashree Soman	Friday	04-11-2022	1.45pm to 4.45pm	Prof. Rajashree Soman	Prof. Nisy Mathew	L12B
ETRX-BE-04	BE	Project - 1	Sunjanaka Katke	Atharva Sohani	Rucha Patil	Darshankumar Mohite	Prof. Rajashree Soman	Friday	04-11-2022	1.45pm to 4.45pm	Prof. Rajashree Soman	Prof. Nisy Mathew	L12B
ETRX-TE-5-06	TE	Mini-Project 2A	Anushka Sampat Chavrekar	Ayush Lodhi	Suchita Nageshwarrao Gunda	Mukund Umesh Ghuge	Prof. Rakshak Sood	Tuesday	01-11-2022	3.45pm to 4.45pm	Prof. Rakshak Sood	Prof. Pravin Annadate	L014A
ETRX-TE-5-28	TE	Mini-Project 2A	Soham Anant Kirtane	Isha Rajesh Mandole	Divya Khedekar	Aayush singh	Prof. Rakshak Sood	Tuesday	01-11-2022	3.45pm to 4.45pm	Prof. Rakshak Sood	Prof. Pravin Annadate	L014A
ETRX-SE-3-17	SE	Mini-Project 1A	Sagar Pravin Shinde	Abhishek Shivanurag Dubey	Anirudh Anindya Nandi	Heramba Ashish Narvekar	Prof. Rakshak Sood	Thursday	03-11-2022	2.45pm to 4.45pm	Prof. Rakshak Sood	Prof. Rajashree Soman	L014B
ETRX-BE-08	BE	Project - 1	Shruti Biyani	Anushka Rane	Rithika Kothur	Tanvee Jaiswal	Prof. Rakshak Sood	Friday	04-11-2022	1.45pm to 4.45pm	Prof. Rakshak Sood	Prof. Pravin Annadate	L14B
ETRX-TE-5-17	TE	Mini-Project 2A	Adarsh santosh mishra	Prathamesh devkar	Sachin Yaduvandu	-	Prof. Sheetal Patil	Monday	31-10-2022	3.45pm to 4.45pm	Prof. Sheetal Patil	Prof. Uma Jaishankar	F301

Group ID	Year	Type	Member 1 (TL)	Member 2	Member 3	Member 4	Project Guide	Day	Date	Time	Panel Member-1	Panel Member-2	Venue
ETRX-TE-5-23	TE	Mini-Project 2A	Navdeep chandrakant patil	Manjiri Manojkumar Patil	Sakshi Kishore Bhosale	-	Prof. Sheetal Patil	Monday	31-10-2022	3.45pm to 4.45pm	Prof. Sheetal Patil	Prof. Uma Jaishankar	F301
ETRX-SE-3-27	SE	Mini-Project 1A	Nidhi Dabholkar	Vaishnavi Warang	Om Bhosale	Omkar Shedge	Prof. Sheetal Patil	Thursday	03-11-2022	3.45pm to 4.45pm	Prof. Sheetal Patil	Dr. Girish Gidaye	F201
ETRX-BE-31	BE	Project - 1	Mustafa Mansoori	Fardeen Khan	Vinayak Sutar	-	Prof. Sheetal Patil	Friday	04-11-2022	1.45pm to 4.45pm	Prof. Sheetal Patil	Prof. Uma Jaishankar	F305
ETRX-TE-5-30	TE	Mini-Project 2A	Sahil Khan Akbar Khan Pathan	Harsh D. Gadiwan	Rupesh Dnyaneshwar Khanzode	-	Prof. Uma Jaishankar	Tuesday	01-11-2022	3.45pm to 4.45pm	Prof. Uma Jaishankar	Prof. Sheetal Patil	F301
ETRX-TE-5-18	TE	Mini-Project 2A	Aaroh Vishwakarma	Pratyush Raut	Aishwarya Jadhav	Tejas Ugale	Prof. Uma Jaishankar	Tuesday	01-11-2022	3.45pm to 4.45pm	Prof. Uma Jaishankar	Prof. Sheetal Patil	F301
ETRX-SE-3-03	SE	Mini-Project 1A	Uday Eshwaraprasad Amballa	Bhalchandra sudhir pimpalkar	Gaurav Sunil Tambe	Aaryan Prakash Sonawane	Prof. Uma Jaishankar	Thursday	03-11-2022	2.45pm to 4.45pm	Prof. Uma Jaishankar	Dr. Nayana Mahajan	F301
ETRX-SE-3-23	SE	Mini-Project 1A	Akansha Bhagwan Raksh	Anurag Sudhir Bhole	Sujal Pravin Kesharwani	Smruti Girish Naik	Prof. Uma Jaishankar	Thursday	03-11-2022	2.45pm to 4.45pm	Prof. Uma Jaishankar	Dr. Nayana Mahajan	F301
ETRX-BE-13	BE	Project - 1	Sumant Narendra Puranik	Parth Pralhad Thakur	Harsh Deepak Singh	pranit	Prof. Uma Jaishankar	Friday	04-11-2022	1.45pm to 4.45pm	Prof. Uma Jaishankar	Prof. Sheetal Patil	F305
ETRX-BE-27	BE	Project - 1	Anurag Navin Bhandary	Shubham Santosh Salvi	Aniket Sanjay Gangurde	Pranav Vikas Vadnere	Prof. Uma Jaishankar	Friday	04-11-2022	1.45pm to 4.45pm	Prof. Uma Jaishankar	Prof. Sheetal Patil	F305

Students are to make a proper PPT for presentation purpose during all the above activities.

Students need to be well dressed during presentation.

All concerned to note the date & time and be ready accordingly.

Prof. Akhil Masurkar
Project Co-ordinator
Department of Electronics Engineering

Name of the Faculty: - Pranita Prasad Padhye

Program: - Electronics Engineering

Serial No.	Courses [taught in CURRENT SEM*] Name and Code as mentioned in Mumbai Univ. syllabus	Course Details			VIT Cluster Mentor	Academic Cluster Mentor	Industry Cluster Mentor
		Program	Year	Division			
1	Advanced Networking Technologies	ETRX	BE	All	Prof. Ranjana Gite	Prof. Dr. Deepak Karia Professor SPIT Andheri	Prof. Suryakant Mudras Deputy Manager, MTNL, Mumbai

*CURRENT SEM: 2021-22 Odd Sem


PREVIOUS SEM: 2020-21 Even Sem

Serial No.	Items	Marks Scheme	Faculty Data	Max Marks	Self-Score	Quality Factor Multiplier by DAO (0 to 1)	Departmental Score	Quality Factor Multiplier by Expert (0 to 1)	Final Score
1	Regular Paper – Marks in hand written solution for course/s taught in CURRENT SEM- Nov-Dec 2021 MU Exam Question Paper	i) % Course Marks ≥ 85 , Score = $0.1 \times$ % Marks ii) % Course Marks < 85 , Score = 0	ANT-Sem VII (DLE)	10	10	1	10		
*For point no. 2 (AAP Compliance) the 'Self-Score' will be given by cluster mentor.									
2(a)	Faculty Enrolment in recommended MOOC and VAC Courses CURRENT SEM	Certified =10 marks, Only Enrolment = 2 marks	1. STTP 2. Workshop 3. SDP	10	10	1	10		
2(b)	Students Enrolment in recommended MOOC and VAC Courses CURRENT SEM	X=% of students completed with certificate. If $X \leq 10$ then Max Marks =X Else Max Marks = 10	Course: Computer Networks (Foundation) 25 students out of 78 students certified	10	10	1	10		
2(c)	Study material prepared related to courses. 1- Notes 2- PPTs 3- GQ/EQ 4- Question Bank & Remedial tutorial solution 5- Others-videos	5 for each theory course, if taught 2 courses ii) If taught only 1 theory course, 10 marks.	Complete study material there in the laptop and Drive	10	10	1	10		

Serial No.	Items	Marks Scheme	Faculty Data	Max Marks	Self-Score	Quality Factor Multiplier by DAO (0 to 1)	Departmental Score	Quality Factor Multiplier by Expert (0 to 1)	Final Score
2(d)	Theory Lectures Conducted Score = [(No. of Regular Lectures conducted / No. of regular lectures Stipulated as per Syllabus) * Syllabus Completed % * Average Attendance % * 0.004]		Total lectures conducted= 27 Hrs. (27/30) *90*(76.49*0.004) =24.78	40	24.78	1	24.8		
2(e)	Experiments Conducted Score = [(No. of Regular Experiments conducted / No. of regular Experiments Stipulated as per Syllabus) * Average Attendance % * 0.2]		09/07*(77.174*0.2) =19.84	20	19.84	1	19.9		
2(f)	Students' Assignment / tutorial preparation in CURRENT SEM		3 Assignments 1. Infographics on WPAN 2. Mind Map 3. Simulation for cloud	10	10	1	10		
2(g)	New experiment / PBL implementation	2 new experiment / PBL implementation = 10 1 new experiment / PBL implementation = 5 0 new experiment / PBL implantation = 0 mark	2 PBLs 1. OSPF 2. TELNET	10	10	1	10		
2(h)	BSA Activities:	Experiential learning/Interaction with Outside World 1- Guest Lectures by Industry Expert 2- Workshops 3- Mini Project 4- Industrial Visit 5- Any other activity	1. Virtual Tour of Networking Company (https://lightriver.com/news-events/videos/) 2. Simulation of Cloud	10	10	0.8	8		
		Collaborative & Group Activity 1- Poster Presentation 2- Minute Papers 3- Students Seminars 4- Students Debates 5- Panel Discussion / Mock GD 6- Mock Interview	1. WPAN Infographics 2. Mind Map	10	10	0	0		

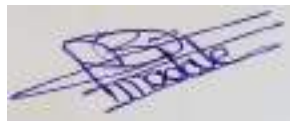
		7- Any other activity *5 marks per activity							
		Co-Curricular Activity 1- Informative videos (NPTEL/Youtube /TEDx/ MIT OW/edX) 2- Lecture Capture Usage 3- Any other activity	1. YouTube videos 2. Lecture Recordings	10	10	1	10		
		Tests & Assessments 1- Class Tests/ Weekly Tests 2- Pop Quiz 3- Mobile App Based Quiz 4- Open Book 5- Take Home Test 6- Any other activity *5 marks per activity	1. POP Quizzes 2. JOINMYQUIZ 3. QUIZLET 4. Kahoot Game	10	10	1	10		
3(a)	IA1 passing %	> 95 % to 100% = 5 marks	100%	5	5	1	5		
3(b)	IA2 passing %	>90 % to < 95% = 4 marks Less than 90% = 0 marks	100%	5	5	1	5		
3(c)	IA1 & IA2 averaged – passing %	> 95 % to 100% = 10 marks >90 % to < 95% = 9 marks Less than 90 = 0 marks	100%	10	10	1	10		
4	Forecast of Probable Failure for courses taught CURRENT SEM (July-October 2021 Exam)	>30% = 0 marks >20 % to <=30% = 10 marks >10 % to <=20% = 20 marks 0 % to <=10% = 30 marks	No failure	30	30	1	30		
5	% Result of your divisions in subjects taught in PREVIOUS SEM (Jan -April 2021 Exam)	Division result >=95% = 40 marks, >=90 to < 95 %=36 marks, >=80 to < 90 % =32 marks, >=70 to < 80 % = 28 marks, >=60 to < 70 %=20 marks, >=50 to < 60 %=10 marks, Below 50 % result = 0 marks	100% result	40	40	1	40		
6	First separately calculate Feedback Score for each theory division and each lab batch with respective attendances. Then Average all the Separate Feedback Scores to get Final Feedback Score.	i) FB >=3.5 , Score= 20 × % Att./100 ii) 3<FB<3.5 , Score= 14 × % Att./100 iii) 2.5<FB <3 , Score= 10 × % Att./100 iv) FB <2.5 , Score = 0	20*(77.17/100) =15.43	20	15.43	1	15.4		

		Att. = % attendance in lectures/labs (Feedback 1 & 2 Average)								
7	KT-Remedial Sessions for Dec 2020 end sem. exam failures [MUST; if passing percentage is < 85%]	Score = Att × (C/P) × 10 Att= Average % attendance in all remedial sessions together / 100 C=Conducted remedial session, P= Planned remedial sessions	NA	10	NA	NA	NA	NA	NA	
8	V-Refer upload for subject/s taught – Knowledge Map, Comprehensive AAP, Notes, PPT, All Assignments & Tutorials, Weekly and IA Test Papers and solutions, List of teaching resources, Reports of all BSA activities, Comprehensive Question Bank for Viva.		Yes	10	10	1	10			
9	Course diary completion	Copy marks given by HoD - at the last page of course diary,		10	10	1	10			
Total Score: - 300-10=290									258. 1	

Name of the Faculty / Dept. and Signature with Date	% Score for sum of all entries in 'Final Score' column	June 2021 Academic Review Grade	December 2020 Review Grade	May 2020 Review Grade	November 2019 Review Grade	May 2019 Review Grade	November 2018 Review Grade
Pranita Padhye 				NA			



Cluster Mentor Signature and Date: -



DAO Signature and Date: -

HOD Signature and Date:-

Review Expert's Signature with Date:-

Sr. N	Roll Number	Name	28-Jan	4-Feb	2-Nov-22	18-Feb-22	25-Feb-22
1	17103A0038	Tanay Gawade	1	1	1		
2	18102A0030	Pratik More			1		1
3	18103A0001	pranjali jadhav1	1	1	1		
4	18103A0045	Sarvadnya Patil	1	1	1	1	1
5	18103A0067	Samdarshak Metkari	1	1	1	1	1
6	18103B0041	Prateek Jampana	1	1	1	1	
7	18103B0062	Raj Karande	1	1	1	1	
8	18103C2010	Tilak Magodia	1	1		1	1
9	19103A0002	Zahier Mir		1			1
10	19103A0003	Deepak Varak	1	1	1	1	
11	19103A0006	Soham Dalvi	1	1	1	1	1
12	19103A0008	Shubham Dalvi	1	1	1	1	1
13	19103A0009	Prathamesh Satam	1	1	1		1
14	19103A0016	ROHIT SAWANT		1	1	1	1
15	19103A0019	Asmita Bhekre	1	1	1	1	1
16	19103A0021	Raj Khetale	1	1	1		
17	19103A0022	Ruchira Gupte	1			1	
18	19103A0025	Anushka Rane		1	1		1
19	19103A0026	Mitali Bandekar	1	1	1	1	1
20	19103A0027	Vishwas Bist	1	1	1	1	
21	19103A0034	Darshan Jain	1		1	1	
22	19103A0035	Shubham Chavan		1	1	1	1
23	19103A0038	Darshankumar Mohite	1	1	1	1	1
24	19103A0039	Adhyay Jadhav	1	1	1		1
25	19103A0042	Tanvee Jaiswal	1			1	1
26	19103A0043	Atharva Sohani	1	1	1	1	
27	19103A0048	Akshay Salunkhe	1	1	1		
28	19103A0051	Rucha Patil	1	1	1		
29	19103A0054	Dhanashree Kamble	1	1			1
30	19103A0055	Sunjanaa Katke	1		1		1
31	19103A0056	Amit Choudhary	1	1	1	1	1
32	19103A0057	Sahil Malthankar					
33	19103A0058	Ketan Kamble	1	1		1	1
34	19103A0059	Sumant Puranik	1	1	1	1	1
35	19103A0060	Anusha Sarla	1	1	1	1	1
36	19103A0061	Gaurav Kumar	1		1	1	1
37	19103A0063	Ganesh Kumbhar	1	1		1	1
38	19103A0064	Pratik Darade	1		1		1
39	19103A0065	Pragati Mali	1		1		1
40	19103A0066	Omkar Pol	1	1	1	1	1
41	19103A0067	Niharika Parab	1		1	1	
42	19103A0068	Shubham Wagh			1	1	1
43	19103A0069	Tushar Yadav	1	1	1		1
44	19103A0070	Harsh Singh	1	1	1	1	
45	19103A0072	Yash Jungade	1	1	1		1
46	19103A0073	Sankalp Gambhir	1	1		1	1
47	19103A0074	Rutuja Ghuge	1	1	1	1	1

48	19103A0078	Kartik Bodhankar	1	1	1	1	
49	19103A0079	Sourav Mohile	1	1	1		1
50	19103A0080	Ketaki Kelaskar	1				1
51	19103A0083	Rudrant Ukirde	1		1	1	
52	19103B0003	Kashmira Kor	1	1			1
53	19103B0007	Pranav Vadnere	1		1		1
54	19103B0008	Kartik Janjal	1			1	1
55	19103B0009	Anurag Bhandary	1	1	1		1
56	19103B0010	Yash Pataskar	1	1	1	1	1
57	19103B0011	Aniket Gangurde					
58	19103b0012	Harsh Meshram				1	1
59	19103B0014	Shubham Salvi		1		1	1
60	19103B0015	Aryan Rajput					
61	19103B0017	Vaibhav Shenoy		1		1	1
62	19103B0018	Sanchit Deshpande	1	1	1	1	1
63	19103B0019	Harshavardhan Shegao	1	1	1	1	1
64	19103B0021	Srishti Sharma					
65	19103B0022	Amol Dhone	1	1	1	1	1
66	19103B0023	Sanmesh Shintre	1	1	1	1	1
67	19103B0024	Hemant Bhoir	1	1	1	1	1
68	19103B0025	Bhuvan Ramane	1				1
69	19103B0027	Mohd Kaif Idrisi	1	1	1	1	
70	19103B0028	Mandar Kulkarni	1	1	1	1	1
71	19103B0029	Chirag Jadhav	1	1	1	1	1
72	19103B0030	Divya Jain	1				
73	20103B2004	Gautam Patil	1	1	1	1	1
74	20103B2005	Sameer Satpute	1	1	1	1	1
75	20103B2007	Kaushal Mhatre	1	1	1		1
76	20103B2008	Manas Shinde	1	1	1		
77	20103B2009	Sourabh Shelar	1	1	1		
78	20103B2010	Prathamesh Khandare	1	1	1	1	
79	20103B2011	Shubham Wairkar	1	1			
80	20103B2012	Vinayak Shinde		1	1	1	1
81	20103B2013	Vaibhav Maske				1	1
82	20103B2014	Sahil Dhekane	1		1	1	1
83	20103B2015	Shivam Bangar	1	1		1	
84	20103B2020	Pritesh Lendale				1	1
85	20103B2022	sahil Gamare				1	1
86	20103B2024	atul gaud	1	1	1	1	1
87	20103B2027	Sahil Shirke	1	1	1		1
88	20103B2028	Pooja Kumthekar		1	1		1
			70	63	63	55	61

3-Mar-22	10-Mar-22	17-Mar-22	24-Mar-22	31-Mar-22	7-Apr-22	14-Apr-22	Total Lectures Attended
1	1	1	1		1	1	27
1		1	1	1			18
1		1				1	18
1		1	1	1			27
1	1	1	1	1	1	1	36
1	1	1	1		1		27
	1	1	1		1	1	27
1	1	1		1	1	1	30
1				1			12
1		1	1			1	24
		1	1	1			24
1	1			1	1	1	30
1	1	1		1	1	1	30
1	1	1	1	1	1	1	33
		1	1	1			24
1		1					15
1	1				1	1	18
1	1			1	1	1	24
1	1	1	1	1	1	1	36
1	1	1	1		1	1	30
1							12
	1	1		1	1	1	27
1	1	1		1	1	1	33
	1	1	1	1	1	1	30
1		1	1	1			21
1	1	1	1	1		1	30
1	1	1	1		1	1	27
1	1	1	1		1	1	27
1			1	1			18
1	1			1	1	1	24
1	1	1	1	1	1	1	36
						1	3
				1			15
	1	1	1	1	1	1	33
1	1	1	1	1	1	1	36
	1			1	1	1	24
		1	1	1			21
1	1			1	1	1	24
1		1		1			18
1	1	1	1	1	1	1	36
1	1	1	1		1	1	27
	1	1		1	1	1	24
1		1	1	1			24
	1	1	1		1	1	27
	1	1	1	1	1	1	30
1	1		1	1	1	1	30
1				1			21

1	1	1	1		1	1	30
1	1	1		1	1	1	30
1				1			12
	1	1	1		1	1	24
				1			12
1			1	1			18
1				1			15
1	1	1	1	1	1	1	33
		1		1			21
							0
1			1	1			15
1				1			15
1							3
1		1		1			18
1	1	1		1	1	1	33
1	1	1	1	1	1	1	36
1							3
1		1	1	1			27
	1	1	1	1	1	1	33
1	1	1	1	1	1	1	36
1			1	1			15
1	1	1	1	1		1	30
1	1	1	1	1	1	1	36
	1	1	1	1	1	1	33
							3
1			1	1			24
1	1	1	1	1	1	1	36
	1	1	1	1	1	1	30
			1				12
1	1	1	1		1	1	27
1	1		1		1	1	27
1	1		1		1	1	21
	1	1	1	1	1	1	30
	1	1	1	1	1	1	24
1		1	1	1			24
1		1	1				18
1	1	1	1	1	1	1	27
1		1	1	1			18
1	1	1	1	1	1	1	36
			1	1			18
1			1	1			18
63	50	58	57	61	50	52	

Percentage Attendance	Attendace Marks out of 5
75	5
50	4
50	4
75	5
100	5
75	5
75	5
83.333333	5
33.333333	2
66.666667	3
66.666667	3
83.333333	4
83.333333	4
91.666667	5
66.666667	4
41.666667	2
50	4
66.666667	4
100	5
83.333333	5
33.333333	2
75	5
91.666667	5
83.333333	5
58.333333	4
83.333333	5
75	5
75	5
50	4
66.666667	4
100	5
8.333333	0
41.666667	2
91.666667	5
100	5
66.666667	4
58.333333	4
66.666667	4
50	4
100	5
75	5
66.666667	4
66.666667	4
75	5
83.333333	5
83.333333	5
58.333333	4

83.333333	5
83.333333	5
33.333333	2
66.666667	4
33.333333	2
50	4
41.666667	2
91.666667	5
58.333333	4
0	0
42	3
42	3
10	1
50	4
92	5
100	5
10	1
75	5
92	5
100	5
42	2
84	5
100	5
92	5
10	1
67	4
100	5
84	5
34	2
75	5
75	5
59	4
84	5
66	4
66	4
50	4
75	5
50	4
100	5
50	4
50	4
66.67803	

Feedback 1

TRX TE Students Feedback 1 for CCN



Supriya Gaikar

Tue 4/13/2022 12:32 PM

To: Pranita Padhye

Cc: Anu Chavan,Pravin Annamate



Dear Madam,

For our ETRM department as per instructions from Higher Authorities feedback process is completed. The consolidated report has been submitted to CAO Office. For your Subject and Practical feedback and suggestions received from students are as follows.

Feedback

SUBJECT	Faculty Name		4	3	2	1	0	No. of Students Given Feedback	Average
Computer Communication Networks (CCN)	Prof. Pranita Padhye (PP)	Lecture	47	30	9	1	1	88	3.38
		Lab	47	30	10	0	1	88	3.39

Suggestions

- Nil

Note: if your feedback is less than 3 year HOD & DAO will contact you for personalise assistance & guidance.

Feedback 2

ETRX TE Students Feedback 2 for CCN



Supriya Gaikar

To: Pranita Padhye

Cc: Arun Chavan; Pravin Annadate

Dear Madam,

For our ETRX department as per instructions from Higher Authorities feedback process is completed. The consolidated report has been submitted to CAO Office. For your Subject and Practical feedback and suggestions received from students are as follows.

SUBJECT	Faculty Name	No. of Students in Team						No. of Students Given Feedback	Average	
			4	3	2	1	0			
Computer Communication Network (CCN)	Prof. Pranita Padhye (PP)	08	Lecture	39	34	10	1	0	34	3.52
			Lab	41	29	13	1	0	34	3.52

Suggestions

- Excellent.
- Pranita ma'am was good. I loved the quizzes nd little things she use to take during lecture to keep us active. she was friendly nd understanding too.

ELXDLO7032	ELXLDLO702
ADVANCE NETWORKING TECHNOLOGIES	ADVANCE NETWORKING

Exam No. & Name	ESE	IA	TOT1	ORL	TW	TOT1
	80	20	100	25	25	50
	32	8		10	10	
11277966 ADAVKAR GAURAV NANDKUMAR NEHA	58	20	78	12	18	30
			A			C
			4.0			1.0
			36.0			7.0
11277967 AGGARWAL HARDIK SUBHASH POONAM	52	18	70	16	14	30
			B			C
			4.0			1.0
			32.0			7.0
11277968 AKHADE SANDEEP GANGARAM SAKUBAI	53	18	71	19	18	37
			B			B
			4.0			1.0
			32.0			8.0
11277969 AMRUTKAR SHREYA BHANUDAS SHUBHANGI	60	19	79	20	20	40
			A			O
			4.0			1.0
			36.0			10.0
11277970 ANSARI RUSHINA ALTAF GHAZALA	53	17	70	14	15	29
			B			D
			4.0			1.0
			32.0			6.0
11277971 BAIKAR ROHIT RAVINDRA RAVINA	59	18	77	19	23	42
			A			O
			4.0			1.0
			36.0			10.0
11277972 BANDIVDEKAR SIDDHI SANJAY SANJALA	64	19	83	19	19	38
			O			A
			4.0			1.0
			40.0			9.0
11277973 BHAGWAT GAURAVI RAJENDRA RAJASHRI	64	18	82	18	21	39
			O			A
			4.0			1.0
			40.0			9.0
11277974 BHOALE PRASHIK SIDDHARTH KARUNA	53	18	71	17	15	32
			B			C
			4.0			1.0
			32.0			7.0
11277975 BHOWAD SIDDHANT SUNIL SNEHAL	61	19	80	16	16	32
			O			C
			4.0			1.0
			40.0			7.0
11277976 CHAUDHARI DHIRAJ GANESH CHAMPA	56	20	76	20	23	43
			A			O
			4.0			1.0
			36.0			10.0

11277977 CHAVAN SHLESHA SHASHIKANT POORNIMA	67	19	86	18	23	41
			O			O
			4.0			1.0
			40.0			10.0
11277978 DALVI VAISHNAVI RAMESH VAISHALI	65	19	84	18	22	40
			O			O
			4.0			1.0
			40.0			10.0
11277979 DICHOLKAR RUTUJA VINAYAK SAMRUDDHI	60E	18E	78	18E	22E	40
			A			O
			4.0			1.0
			36.0			10.0
11277980 DUDHWADKAR SHRADHA VISHWANATH VRUSHALI	66	19	85	21	18	39
			O			A
			4.0			1.0
			40.0			9.0
11277981 GAIKWAD ANKITA ANKUSH ALKA	64	19	83	20	21	41
			O			O
			4.0			1.0
			40.0			10.0
11277982 GAIKWAD PARTH SUDHIR SANGITA	58	19	77	18	19	37
			A			B
			4.0			1.0
			36.0			8.0
11277983 GAIKWAD ROHAN DILIP BABY	65	20	85	18	21	39
			O			A
			4.0			1.0
			40.0			9.0
11277984 GHAYTADKE PRATHMESH JAYESH VANDANA	55	18	73	18	14	32
			B			C
			4.0			1.0
			32.0			7.0
11277985 GUNDIGARA PRATIK DEEPAK NAMRATA	47	19	66	17	20	37
			C			B
			4.0			1.0
			28.0			8.0
11277986 HARIJAN PRITI DEVI USHA HARIJAN	60	20	80	19	24	43
			O			O
			4.0			1.0
			40.0			10.0
11277987 JADHAV TANVI RAJENDRA NILIMA	66	19	85	19	23	42
			O			O
			4.0			1.0
			40.0			10.0
11277988 KAMBLE SEJAL ARUN SHARMILA	65	17	82	22	19	41
			O			O
			4.0			1.0
			40.0			10.0
11277989 KARANDIKAR PRATIK ARUNKUMAR SANDHYA	34	19	53	20	12	32
			D			C

SANDHYA			4.0			1.0
			24.0			7.0
11277990 KARTHA NIMMITHA KRISHNA KUMAR BINDU	63	20	83	20	23	43
			O			O
			4.0			1.0
			40.0			10.0
11277991 KHAN ABDULLAH AZIZUDDIN MOHIBUNNISA	52	19	71	13	12	25
			B			D
			4.0			1.0
			32.0			6.0
11277992 KOKATE NISHANT SANJAY SANJANA	60	18	78	18	19	37
			A			B
			4.0			1.0
			36.0			8.0
11277993 KOLI OMKAR PRASAD GEETA	58	20	78	22	15	37
			A			B
			4.0			1.0
			36.0			8.0
11277994 LAD KSHITIJA BALIRAM LATA	67	18	85	17	23	40
			O			O
			4.0			1.0
			40.0			10.0
11277995 MANORE MAYUR RAMESH PRATIBHA	61	18	79	19	12	31
			A			C
			4.0			1.0
			36.0			7.0
11277996 MATKAR OMKAR ANANDA VANDANA	53	18	71	20	18	38
			B			A
			4.0			1.0
			32.0			9.0
11277997 MITBANDER SWAPNIL SANDEEP KARUNA	52	17	69	18	22	40
			C			O
			4.0			1.0
			28.0			10.0
11277998 NIMASE SHRIKANT BHASKAR TARAMATI	55	18	73	21	14	35
			B			B
			4.0			1.0
			32.0			8.0
11277999 PATIL PARAG CHANDRAKANT NILAMBARI	55	19	74	21	19	40
			B			O
			4.0			1.0
			32.0			10.0
11278000 PAWAR SARVESH SANJEEV SANJANA	55	19	74	18	23	41
			B			O
			4.0			1.0
			32.0			10.0
11278001 PAWASKAR SHUBHAM SADANAND CHITRA	42	19	61	10	11	21
			C			P
			4.0			1.0
			28.0			4.0

11278002 PINGLE SHREYAS SANJAY BHAGYASHRI	60	19	79	19	21	40
			A			O
			4.0			1.0
			36.0			10.0
11278003 PRABHU ABHIJEET DINESH POORNIMA	58	19	77	18	23	41
			A			O
			4.0			1.0
			36.0			10.0
11278004 RATHOD TRUSHALIBEN DINESHBHAI KESHUBEN	53	19	72	21	22	43
			B			O
			4.0			1.0
			32.0			10.0
11278005 RAUT RASHI VINAY DIPTI	63E	20E	83	22E	23E	45
			O			O
			4.0			1.0
			40.0			10.0
11278006 RAUT TANYA ANAND SHIVANI	65	19	84	17	21	38
			O			A
			4.0			1.0
			40.0			9.0
11278007 SAHU KETAN HARIHAR KUMUDINI	63E	20E	83	19E	21E	40
			O			O
			4.0			1.0
			40.0			10.0
11278008 SALVE SANKET RAJU LATA	58	18	76	17	21	38
			A			A
			4.0			1.0
			36.0			9.0
11278009 SANAP SONALI VIJAY SANGITA	65	19	84	21	23	44
			O			O
			4.0			1.0
			40.0			10.0
11278010 SANGANI VISHAL ATUL JAYSHREE	57	19	76	10	11	21
			A			P
			4.0			1.0
			36.0			4.0
11278011 SHETTIGAR VINEETH KRISHNA KAVERI	54	19	73	18	21	39
			B			A
			4.0			1.0
			32.0			9.0
11278012 SHETYE ADITI ULHAS ULKA	65	19	84	18	23	41
			O			O
			4.0			1.0
			40.0			10.0
11278013 VIRDI RANBIR SINGH RANJEET	54	19	73	18	20	38
			B			A
			4.0			1.0
			32.0			9.0
11278014 WADEKAR VIJAYALAKSHMI SUNIL MADHUKAR	58	19	77	19	16	35
			A			B

VARSHA			4.0			1.0
			36.0			8.0
11278015 WAGHCHOURE PRAVIN SURESH MEENA	39	11	50	10	16	26
			D			D
			4.0			1.0
			24.0			6.0
11278016 PATKAR SHIVANI SUBODH NAMRATA	47+	16+	63	11+	10+	21
			C			P
			4.0			1.0
			28.0			4.0
11278017 BHALERAO KUNAL SUNIL VEENA	58	19	77	16	23	39
			A			A
			4.0			1.0
			36.0			9.0
11278018 BHISE MANDAR TUKARAM PRITI	66	19	85	17	22	39
			O			A
			4.0			1.0
			40.0			9.0
11278019 BORSE HEMANT MADHUKAR MANISHA	62	19	81	24	21	45
			O			O
			4.0			1.0
			40.0			10.0
11278020 DALI SHIVAM VIJAY BHAVANA	61	19	80	10	20	30
			O			C
			4.0			1.0
			40.0			7.0
11278021 GIRI SHUBHAM MANGESH RUPA	59	19	78	17	18	35
			A			B
			4.0			1.0
			36.0			8.0
11278022 GOVEKAR PARTH PRAVIN PURVA	61	19	80	18	21	39
			O			A
			4.0			1.0
			40.0			9.0
11278023 JOSHI KIRAN MURALI KRISHNABAI	58	19	77	15	21	36
			A			B
			4.0			1.0
			36.0			8.0
11278024 KAMBLE TANMAY RAMESH TEJASWINI	63	19	82	17	15	32
			O			C
			4.0			1.0
			40.0			7.0
11278025 KARANDE POOJA BABAN SUDHA	54	19	73	19	17	36
			B			B
			4.0			1.0
			32.0			8.0
11278026 KHADE ASHUTOSH ARVIND REKHA	61	20	81	18	20	38
			O			A
			4.0			1.0
			40.0			9.0

11278027 KHADE SHIVAM ANKUSH SHARDA	58	19	77	18	20	38
			A			A
			4.0			1.0
			36.0			9.0
11278028 KHADTAR SANCHITA SANTOSH SWAPNA	59	20	79	20	22	42
			A			O
			4.0			1.0
			36.0			10.0
11278029 KOLI SANKET MAHADEV VIJAYA	57	19	76	18	20	38
			A			A
			4.0			1.0
			36.0			9.0
11278030 KULSANGE KAUSHIK SUNIL GOPIKA	64	18	82	17	21	38
			O			A
			4.0			1.0
			40.0			9.0
11278031 MOOLYA SUMEETH OMAYYA MALATHI	61	18	79	20	22	42
			A			O
			4.0			1.0
			36.0			10.0
11278032 NAR SAISH KAMLAKAR KALA	60	19	79	19	21	40
			A			O
			4.0			1.0
			36.0			10.0
11278033 PANWALKAR UTKARSH SURESH SUCHITRA	61	19	80	19	22	41
			O			O
			4.0			1.0
			40.0			10.0
11278034 PARAB SARVESH PRAVIN PRANITA	57E	18E	75	17E	2F	19
			A			F
			4.0			-
			36.0			0.0
11278035 PAWASKAR SOHAM NARESH SHRADDHA	60	19	79	20	21	41
			A			O
			4.0			1.0
			36.0			10.0
11278036 PUJARI NISHCHINT MOHANDAS ASHA4	37	17	54	23	15	38
			D			A
			4.0			1.0
			24.0			9.0
11278037 SHELKE OMKAR VITHAL RUKMINI	56	20	76	19	22	41
			A			O
			4.0			1.0
			36.0			10.0
11278038 SHENDAGE SAGAR SATISH AVIDHABAI	60	19	79	18	20	38
			A			A
			4.0			1.0
			36.0			9.0
11278039 SONI SUNNY NARENDRAKUMAR	62	20	82	20	20	40
			O			O

RENU			4.0			1.0
			40.0			10.0
11278040 SUKTE SUYASH SUNIL SUPRITI	58	18	76	18	19	37
			A			B
			4.0			1.0
			36.0			8.0
11278041 SURYAWANSHI HARSHALI BHIMRAO VIDYA	63	18	81	19	20	39
			O			A
			4.0			1.0
			40.0			9.0
11278042 VAYDANDE PRANALI SUDHAKAR ASHWINI	54	18	72	19	20	39
			B			A
			4.0			1.0
			32.0			9.0
11278043 WADIA ARNAZ HOSHANG PRAMILA	59	19	78	17	22	39
			A			A
			4.0			1.0
			36.0			9.0
11278044 WADYE AATMAJA ANANT AMITA	61	18	79	18	21	39
			A			A
			4.0			1.0
			36.0			9.0