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2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Table of Contents

VISWAJYOTHI
COLLEGE OF ENGINEERING & TECHNOLOGY
Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University
Vazhakulam P.O., Muvattupuzha
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ACADEMIC CALENDER

Days	Date	Description	Clas s	Days	Date	Description	Clas s	Days	Date	Description	Clas s
Mon	14		9	Thu	14	First CC Meeting for B.Tech S7/S5/S3	26	Sat	14		
Tue	15	Independence Day		Fri	15	Commencement of University Valuation Camp	e-1	Sun	15		
Wed	16		10	Sat	16		e-2	Mon	16		40
Thu	17		11	Sun	17			Tue	17		41
Fri	18	Course Selection and Mapping Begins for B.Tech S7/S5	12	Mon	18	Course Selection and Mapping Ends for B.Tech S3	e-3	Wed	18		42
Sat	19		13	Tue	19		e-4	Thu	19		43
Sun	20			Wed	20		e-5	Fri	20		44
Mon	21		14	Thu	21		e-6	Sat	21		45
Tue	22		15	Fri	22	Sree Narayana Guru Samadhi		Sun	22		
Wed	23		16	Sat	23		e-7	Mon	23	Mahanavami	
Thu	24	Course Selection and Mapping Ends for B.Tech S7/S5	17	Sun	24			Tue	24	Vijayadasami	
Fri	25		18	Mon	25		e-8	Wed	25		46
Sat	26			Tue	26	End of University Valuation Camp	e-9	Thu	26		47
Sun	27			Wed	27	Milad-I-Sherif		Fri	27	First Series test to be completed for B.Tech S7/S5	48
Mon	28	First Onam		Thu	28	Last date for corrections related to course selection and mapping (S3) on KTU portal	27	Sat	28		49
Tue	29	Thiruvonam		Fri	29		28	Sun	29		
Wed	30	Third Onam		Sat	30		29	Mon	30	Exam Registration begins for B. Tech S7	50
Thu	31	Fourth Onam						Tue	31		51

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SEMESTER PLAN

VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,VAZHAKULAM

VISION: "Moulding professionals par excellence with integrity, fairness, and human values"

SEMESTER PLAN FOR S4, S6, S8 KTU B.Tech Classes (January 30th 2023 - June 2nd 2023)

No. of working days for the even semester	
Month	Days
January	2
February	20
March	24
April	17
May	23
June	2
Total	88

Semester	Actual Working Days
S8	72.5
S6	72.5
S4	72.5

No. of working Days lost	
Bodhi & Drona	3
Drishya	2
Series Examination	8
College Day	0.5
Total	16.5

Working Saturdays	
Month	Dates
January	Nil
February	Nil
March	4th
April	22nd
May	6th & 20th
June	Nil

IMPORTANT DATES	
January 30th	Commencement of regular classes for S8
February 3rd	Course selection & course mapping begins
February 6th	Commencement of regular classes for S4 & S6
February 10th	First CC meeting for S4, S6, S8
February 15th	Course selection & course mapping ends
March 10th	First Assignment to be completed for S4, S6 & S8
March 17th, 20th, 21st	First series examination for S4, S6 & S8
March 28th - 31st	Bodhi, Drishya, Drona
April 17th	Exam registration begins for S4, S6, S8
April 27th	Exam registration ends for S4, S6, S8
May 6th	Second assignment to be completed for S4, S6 & S8
May 12, 15-16	Second Series examination for S4, S6 & S8
May 20th	College Day
May 25th	Publish IA marks for S8
May 26th	Class ends & publish attendance for S8
June 1st	Publish IA marks for S4 & S6
June 2nd	Class ends & publish attendance for S4 & S6

January		February					March						April			May						June	
30	31	1-3	6	7-10	13-17	20-24, 27-28	1-4	6-10	13-16	17, 20,21	22-24, 27	28-31	3-5, 10-13	17-20, 22	24-28	2-6	8-11	12,15-16	17-20	22-26	29-31	1	2
Commencement of regular classes	Regular Class for S8	Regular Class for S8 Feb 3rd Course selection & course mapping begins	Commencement of regular classes (S4 & S6)	Regular Class February 10th 1st CC Meeting for S4, S6, S8	Regular Class Feb 15th Course selection & Course mapping ends	Regular Classes	Regular Classes	Regular Classes March 10th 1st Assignment to be completed for S4, S6, S8	Regular Classes	First Series Examination for S4, S6, S8	Regular Classes	Tech Fest 2023, ARTS FEST DRISHYA, Sports Fest Drona March 25th Second class committee meeting	Revise Classes	Regular Classes April 17th Exam registration begins for S4, S6, S8	Regular Classes April 27th Exam registration ends for S4, S6, S8	Regular Classes May 6th 2nd Assignment to be completed	Regular classes	Second series examination for S4, S6, S8 May 12th third class committee meeting	Regular Classes May 20th College Day	Regular Classes May 25th Publish IA marks for S8 May 26th Class ends Publish Attendance for S8	Regular classes for S4, S6	Regular Class Publish IA marks for S4, S6	Regular class Class ends Publish Attendance for S4, S6
1	1	3	1	4	5	7	4	5	4	3	4	4	7	5	5	5	4	3	4	4	3	1	1
1	2	5	6	10	15	22	26	31	35	38	42	46	53	58	63	68	72	75	79	83	86	87	88

Principal

APPOINMENT OF INTERNAL EXAM COMMITTE

VISWAJYOTHI
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B.Tech Programmes (CE, CSE, ECE, IT & ME) Accredited by NBA

11.03.2022

Ref. No. VJCET/PPL/KTU-Corr/2022/17-A

Office Order

With reference to the order from KTU on affiliation process 2022-23 and for the renewal of approval and as per the Chapter 4 and 6 in the First Statutes of University and UGC/AICTE the colleges under KTU were asked to constitute committees/bodies as prescribed by the UGC and AICTE. Based on this the college has constituted the committees/ bodies. The faculty members are assigned duties in the Internal **Examination Committee** as mentioned below with immediate effect and till further orders.

Sl No.	Name	Designation	Composition
1	Ms. Ann Neetha Sabu	Asst. Professor S&H	Convenor
2	Dr. Sajan T. John	Associate Professor ME	Committee-in-charge
3	Ms. Ferry John	Asst. Professor AD	Member
4	Ms. Finu John	Asst. Professor CE	Member
5	Ms. Soumya Mathew	Asst. Professor CSE	Member
6	Ms. Jia Jose	Asst. Professor EEE	Member
7	Ms. Vinja Kurian	Asst. Professor ECE	Member
8	Ms. Ann Preetha Jose	Asst. Professor IT	Member
9	Mr. Nideesh K	Asst. Professor ME	Member
10	Ms. Ashly Jacob	Asst. Professor S&H	Member
11	Mr. Anish John A	Asst. Professor MBA	Member

Principal

To

1. Manager, VJCET
2. Director, VJCET
3. Vice-Principal
4. HODs & Dean
5. All members of the committee

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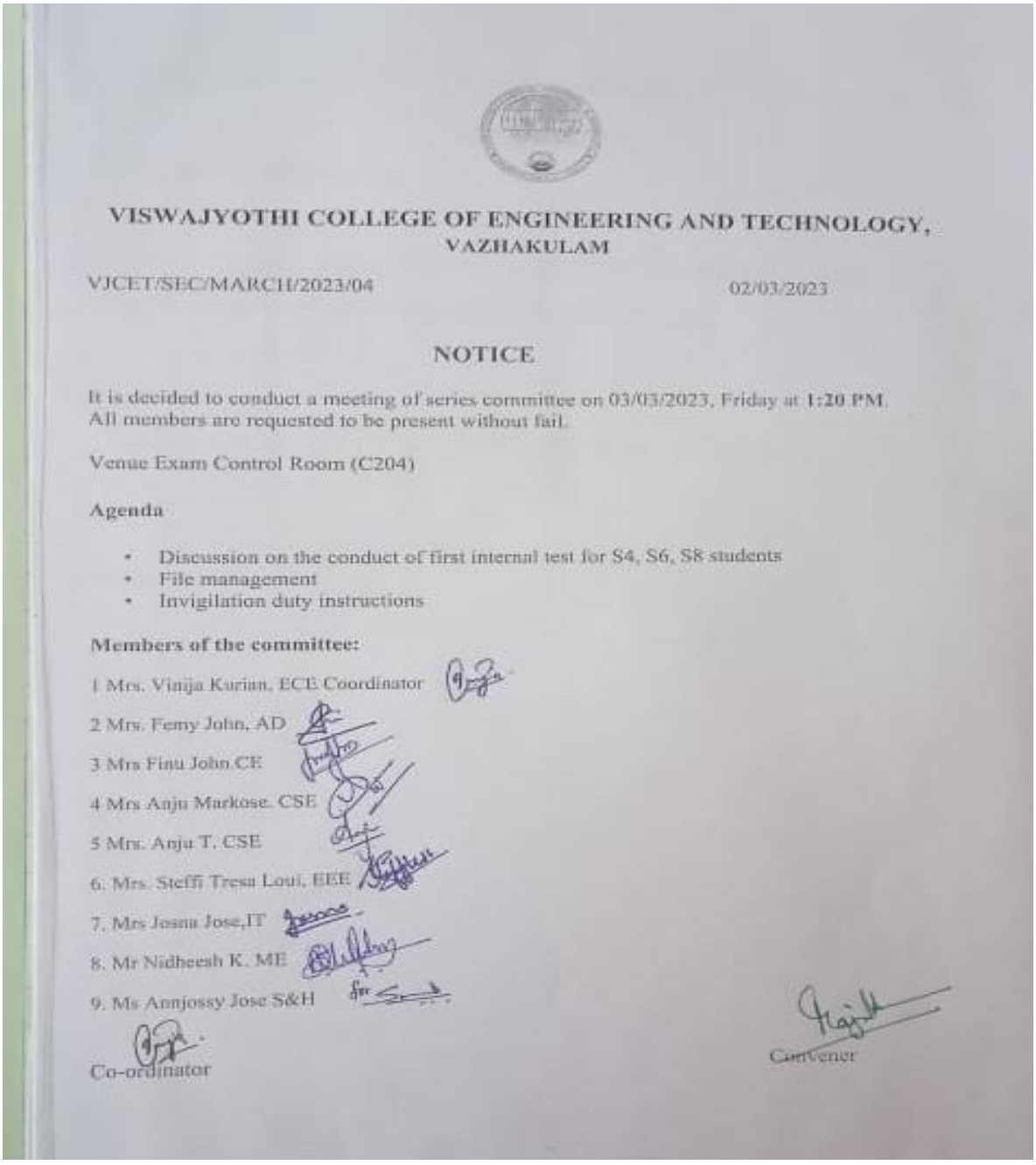
MINUTES OF INTERNAL EXAM COMMITTE



VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,
VAZHAKULAM

VJCET/SEC/MARCH/2023/04 02/03/2023

NOTICE

It is decided to conduct a meeting of series committee on 03/03/2023, Friday at 1:20 PM. All members are requested to be present without fail.

Venue Exam Control Room (C204)

Agenda

- Discussion on the conduct of first internal test for S4, S6, S8 students
- File management
- Invigilation duty instructions

Members of the committee:

1 Mrs. Vinija Kurian, ECE Coordinator
2 Mrs. Femy John, AD
3 Mrs Finu John,CE
4 Mrs Anju Markose. CSE
5 Mrs. Anju T, CSE
6. Mrs. Steffi Tresa Loui, EEE
7. Mrs Josna Jose,IT
8. Mr Nidheesh K. ME
9. Ms Annjossy Jose S&H

Co-ordinator

Convener

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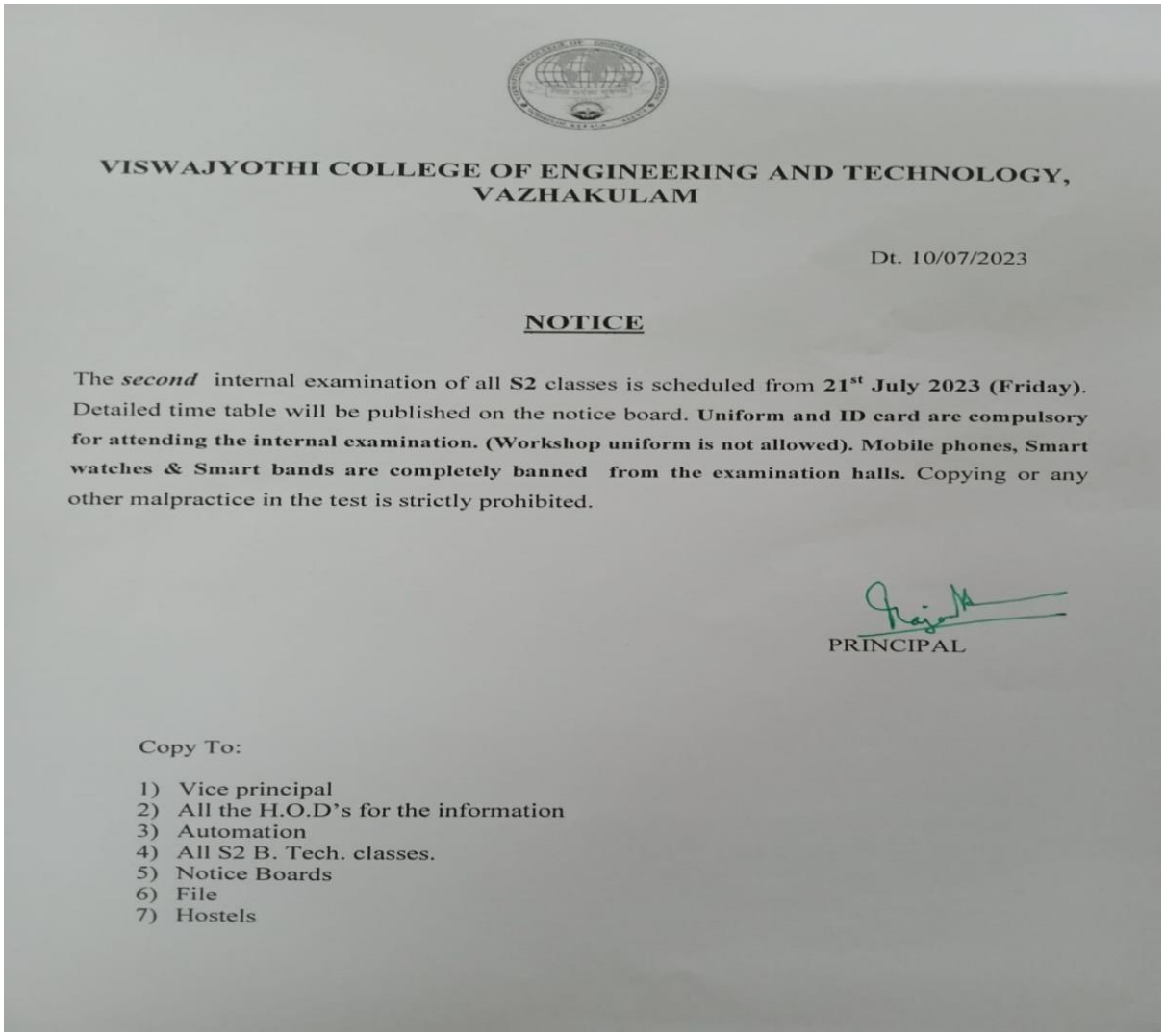
NOTICE OF EXAM



VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,
VAZHAKULAM

Dt. 10/07/2023

NOTICE

The ***second*** internal examination of all **S2** classes is scheduled from **21st July 2023 (Friday)**. Detailed time table will be published on the notice board. **Uniform and ID card are compulsory for attending the internal examination. (Workshop uniform is not allowed). Mobile phones, Smart watches & Smart bands are completely banned from the examination halls.** Copying or any other malpractice in the test is strictly prohibited.

PRINCIPAL

Copy To:

1) Vice principal
2) All the H.O.D's for the information
3) Automation
4) All S2 B. Tech. classes.
5) Notice Boards
6) File
7) Hostels

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TIMETABLE OF INTERNAL EXAM

VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY

INTERAL EXAMINATION II -JULY 2023

TIMETABLE FOR SEMESTER II

DATE & DAY	TIME	SUBJECT							
		AD	CE	CG	CSE	EEE	ECE	IT	ME
21/07/2023 FRIDAY	9:30am - 11:30 am	VECTOR CALCULUS, DIFFERENTIAL EQUATIONS AND TRANSFORMS MAT 102	VECTOR CALCULUS, DIFFERENTIAL EQUATIONS AND TRANSFORMS MAT 102	VECTOR CALCULUS, DIFFERENTIAL EQUATIONS AND TRANSFORMS MAT 102	VECTOR CALCULUS, DIFFERENTIAL EQUATIONS AND TRANSFORMS MAT 102	VECTOR CALCULUS, DIFFERENTIAL EQUATIONS AND TRANSFORMS MAT 102	VECTOR CALCULUS, DIFFERENTIAL EQUATIONS AND TRANSFORMS MAT 102	VECTOR CALCULUS, DIFFERENTIAL EQUATIONS AND TRANSFORMS MAT 102	VECTOR CALCULUS, DIFFERENTIAL EQUATIONS AND TRANSFORMS MAT 102
24/07/2023 MONDAY	9:30am - 11:30 am	ENGINEERING PHYSICS A PHT100	ENGINEERING CHEMISTRY CYT 100	ENGINEERING CHEMISTRY CYT 100	ENGINEERING PHYSICS A PHT100	ENGINEERING CHEMISTRY CYT 100	ENGINEERING PHYSICS A PHT100	ENGINEERING CHEMISTRY CYT 100	ENGINEERING CHEMISTRY CYT 100
	1:45pm - 3:45 pm	PROGRAMMING IN C EST102	PROGRAMMING IN C EST102	PROGRAMMING IN C EST102	PROGRAMMING IN C EST102	PROGRAMMING IN C EST102	PROGRAMMING IN C EST102	PROGRAMMING IN C EST102	PROGRAMMING IN C EST102
25/07/2023 TUESDAY	9:30am - 11:30 am	ENGINEERING MECHANICS EST 100	ENGINEERING GRAPHICS EST110	ENGINEERING MECHANICS EST 100	ENGINEERING GRAPHICS EST110	ENGINEERING GRAPHICS EST110	ENGINEERING MECHANICS EST 100	ENGINEERING MECHANICS EST 100	ENGINEERING MECHANICS EST 100
26/07/2023 WEDNESDAY	9:30am - 11:30 am	BASICS OF CIVIL & MECHANICAL ENGINEERING EST 120	BASICS OF CIVIL & MECHANICAL ENGINEERING EST 120	BASICS OF CIVIL & MECHANICAL ENGINEERING EST 120	BASICS OF ELECTRICAL & ELECTRONICS ENGINEERING EST 130	BASICS OF ELECTRICAL & ELECTRONICS ENGINEERING EST 130	BASICS OF ELECTRICAL & ELECTRONICS ENGINEERING EST 130	BASICS OF ELECTRICAL & ELECTRONICS ENGINEERING EST 130	BASICS OF CIVIL & MECHANICAL ENGINEERING EST 120
	1:45pm - 3:45 pm	PROFESSIONAL COMMUNICATION HUT102	PROFESSIONAL COMMUNICATION HUT102	PROFESSIONAL COMMUNICATION HUT102	PROFESSIONAL COMMUNICATION HUT102	PROFESSIONAL COMMUNICATION HUT102	PROFESSIONAL COMMUNICATION HUT102	PROFESSIONAL COMMUNICATION HUT102	PROFESSIONAL COMMUNICATION HUT102

Principal

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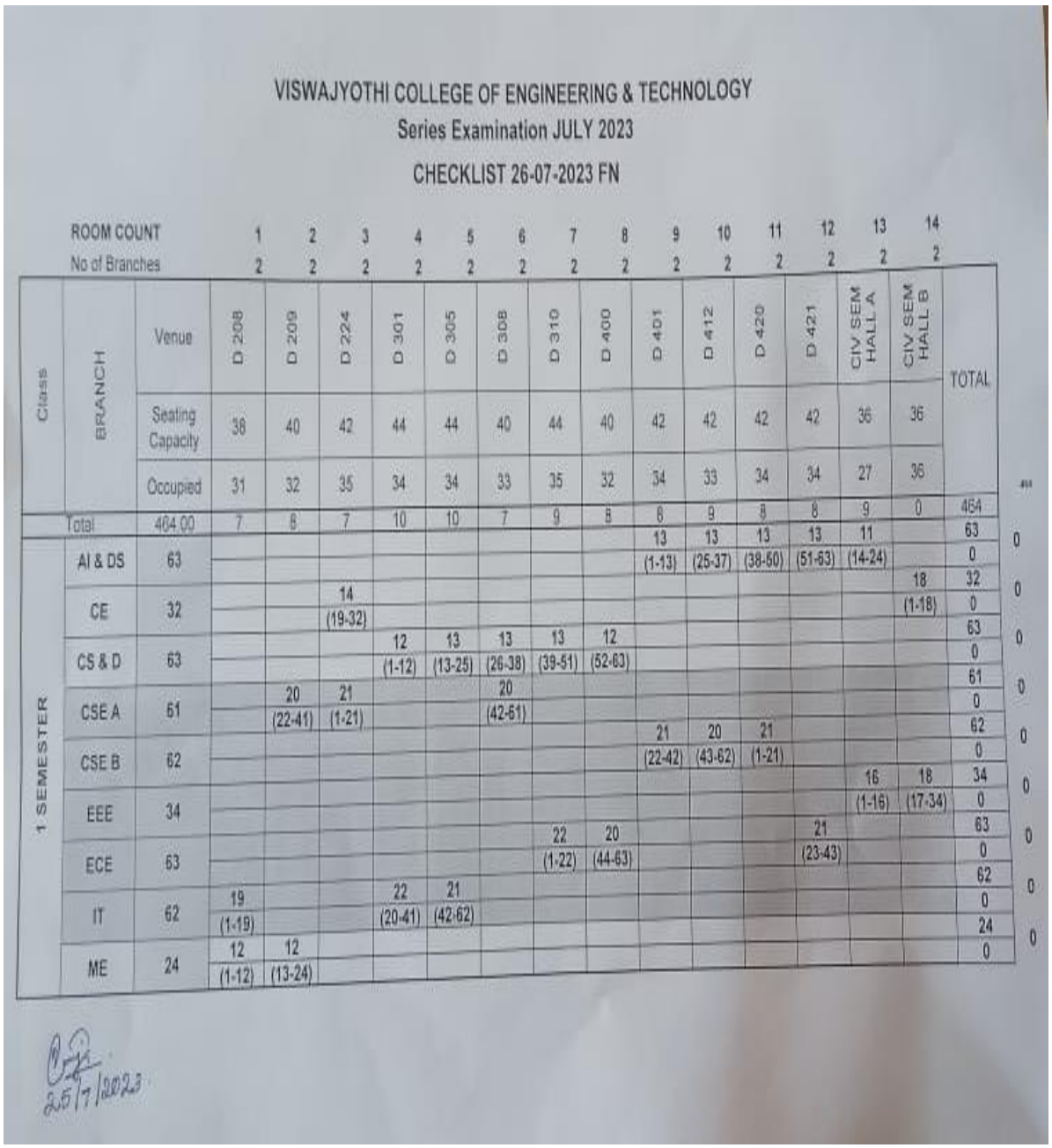
SEATING ARRANGMENT FOR INTERNAL EXAM

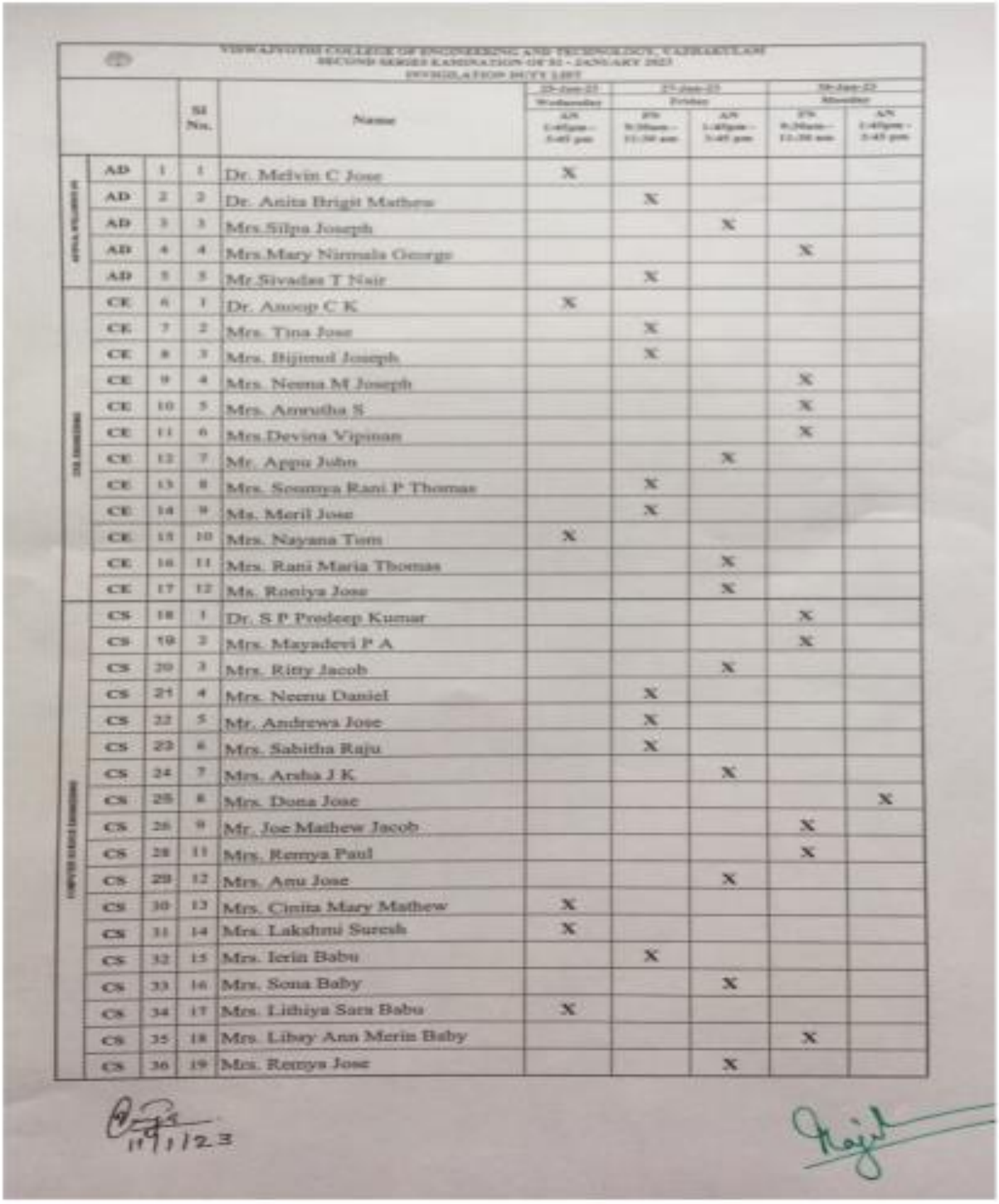


VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY
Series Examination JULY 2023
CHECKLIST 26-07-2023 FN

Class	BRANCH	Venue	D 208	D 209	D 224	D 301	D 305	D 308	D 310	D 400	D 401	D 412	D 420	D 421	CIV SEM HALL A	CIV SEM HALL B	TOTAL	
		ROOM COUNT	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
		No of Branches	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
		Seating Capacity	38	40	42	44	44	40	44	40	42	42	42	42	36	36		
		Occupied	31	32	35	34	34	33	35	32	34	33	34	34	27	36		
	Total	464.00	7	8	7	10	10	7	9	8	8	9	8	8	9	0	464	
1 SEMESTER	AI & DS	63									13 (1-13)	13 (25-37)	13 (38-50)	13 (51-63)	11 (14-24)		63	0
	CE	32			14 (19-32)											18 (1-18)	32	0
	CS & D	63				12 (1-12)	13 (13-25)	13 (26-38)	13 (39-51)	12 (52-63)							63	0
	CSE A	61		20 (22-41)	21 (1-21)			20 (42-61)									61	0
	CSE B	62									21 (22-42)	20 (43-62)	21 (1-21)				62	0
	EEE	34													16 (1-16)	18 (17-34)	34	0
	ECE	63							22 (1-22)	20 (44-63)				21 (23-43)			63	0
	IT	62	19 (1-19)			22 (20-41)	21 (42-62)										62	0
	ME	24	12 (1-12)	12 (13-24)													24	0

25/7/2023

INVIGILATION DUTY LIST



VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM
SECOND SERIES EXAMINATION OF S1 - JANUARY 2023
INVIGILATION DUTY LIST

		Sl No.	Name	25-Jan-23 Wednesday AN 1:45pm - 3:45 pm	27-Jan-23 Friday FN 9:30am - 11:30 am	27-Jan-23 Friday AN 1:45pm - 3:45 pm	30-Jan-23 Monday FN 9:30am - 11:30 am	30-Jan-23 Monday AN 1:45pm - 3:45 pm
	AD	1	Dr. Melvin C Jose	X				
	AD	2	Dr. Anita Brigit Mathew		X			
	AD	3	Mrs.Silpa Joseph			X		
	AD	4	Mrs.Mary Nirmala George				X	
	AD	5	Mr.Sivadas T Nair		X			
	CE	6	Dr. Anoop C K	X				
	CE	7	Mrs. Tina Jose		X			
	CE	8	Mrs. Bijimol Joseph		X			
	CE	9	Mrs. Neena M Joseph				X	
	CE	10	Mrs. Amrutha S				X	
	CE	11	Mrs.Devina Vipinan				X	
	CE	12	Mr. Appu John			X		
	CE	13	Mrs. Soumya Rani P Thomas		X			
	CE	14	Ms. Meril Jose		X			
	CE	15	Mrs. Nayana Tom	X				
	CE	16	Mrs. Rani Maria Thomas			X		
	CE	17	Ms. Roniya Jose			X		
	CS	18	Dr. S P Pradeep Kumar				X	
	CS	19	Mrs. Mayadevi P A				X	
	CS	20	Mrs. Ritty Jacob			X		
	CS	21	Mrs. Neenu Daniel		X			
	CS	22	Mr. Andrews Jose		X			
	CS	23	Mrs. Sabitha Raju		X			
	CS	24	Mrs. Arsha J K			X		
	CS	25	Mrs. Dona Jose					X
	CS	26	Mr. Joe Mathew Jacob				X	
	CS	28	Mrs. Remya Paul				X	
	CS	29	Mrs. Anu Jose			X		
	CS	30	Mrs. Cinita Mary Mathew	X				
	CS	31	Mrs. Lakshmi Suresh	X				
	CS	32	Mrs. Ieria Babu		X			
	CS	33	Mrs. Sona Baby			X		
	CS	34	Mrs. Lidhiya Sara Babu	X				
	CS	35	Mrs. Libsy Ann Merin Baby				X	
	CS	36	Mrs. Remya Jose			X		

11/1/23

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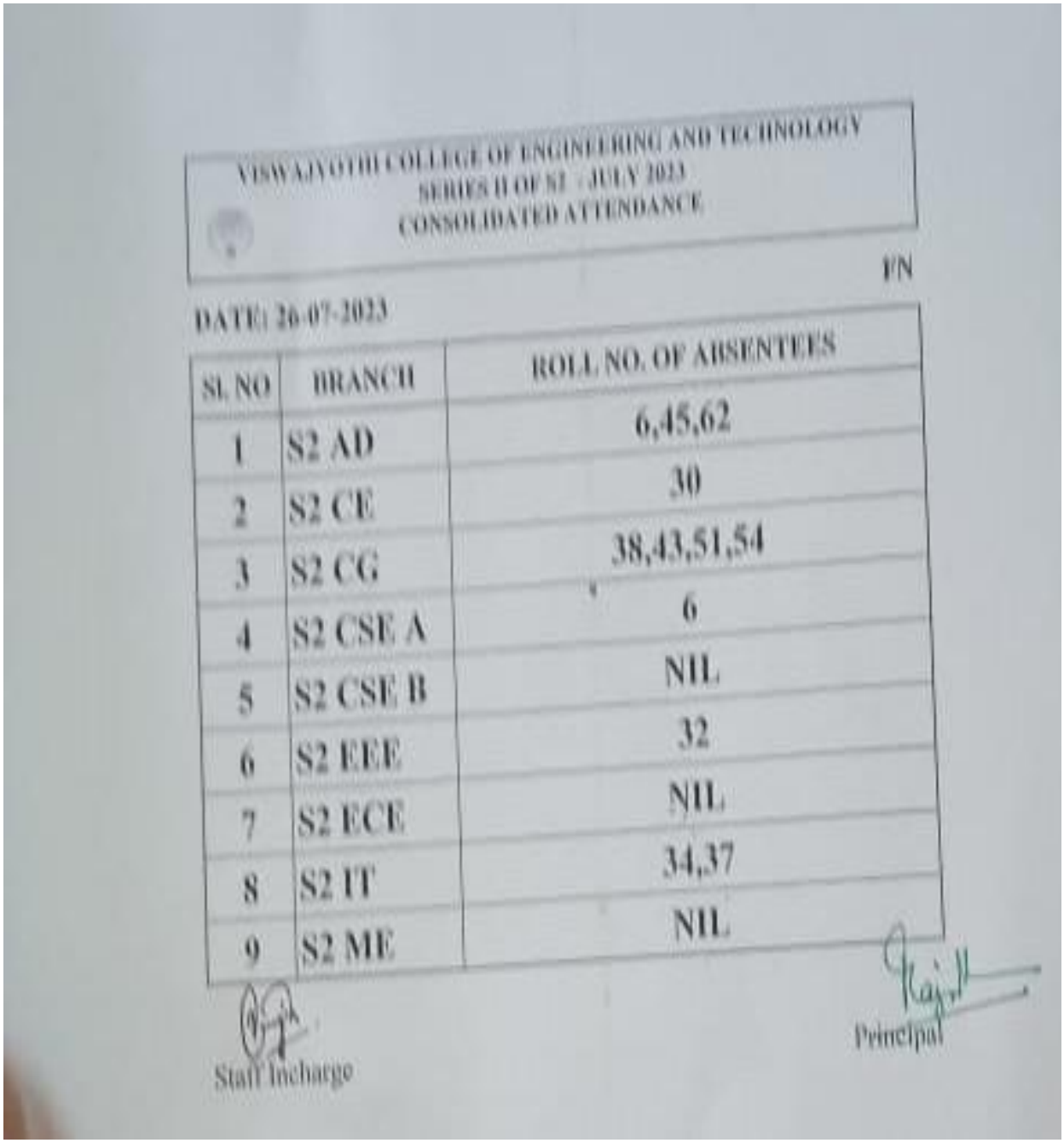
CONSOLIDFATED ATTENDANCE OF INTERNAL EXAM



VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY
SERIES II OF S2 - JULY 2023
CONSOLIDATED ATTENDANCE

FN

DATE: 26-07-2023

SL NO	BRANCH	ROLL NO. OF ABSENTEES
1	S2 AD	6,45,62
2	S2 CE	30
3	S2 CG	38,43,51,54
4	S2 CSE A	6
5	S2 CSE B	NIL
6	S2 EEE	32
7	S2 ECE	NIL
8	S2 IT	34,37
9	S2 ME	NIL

Staff Incharge

Principal

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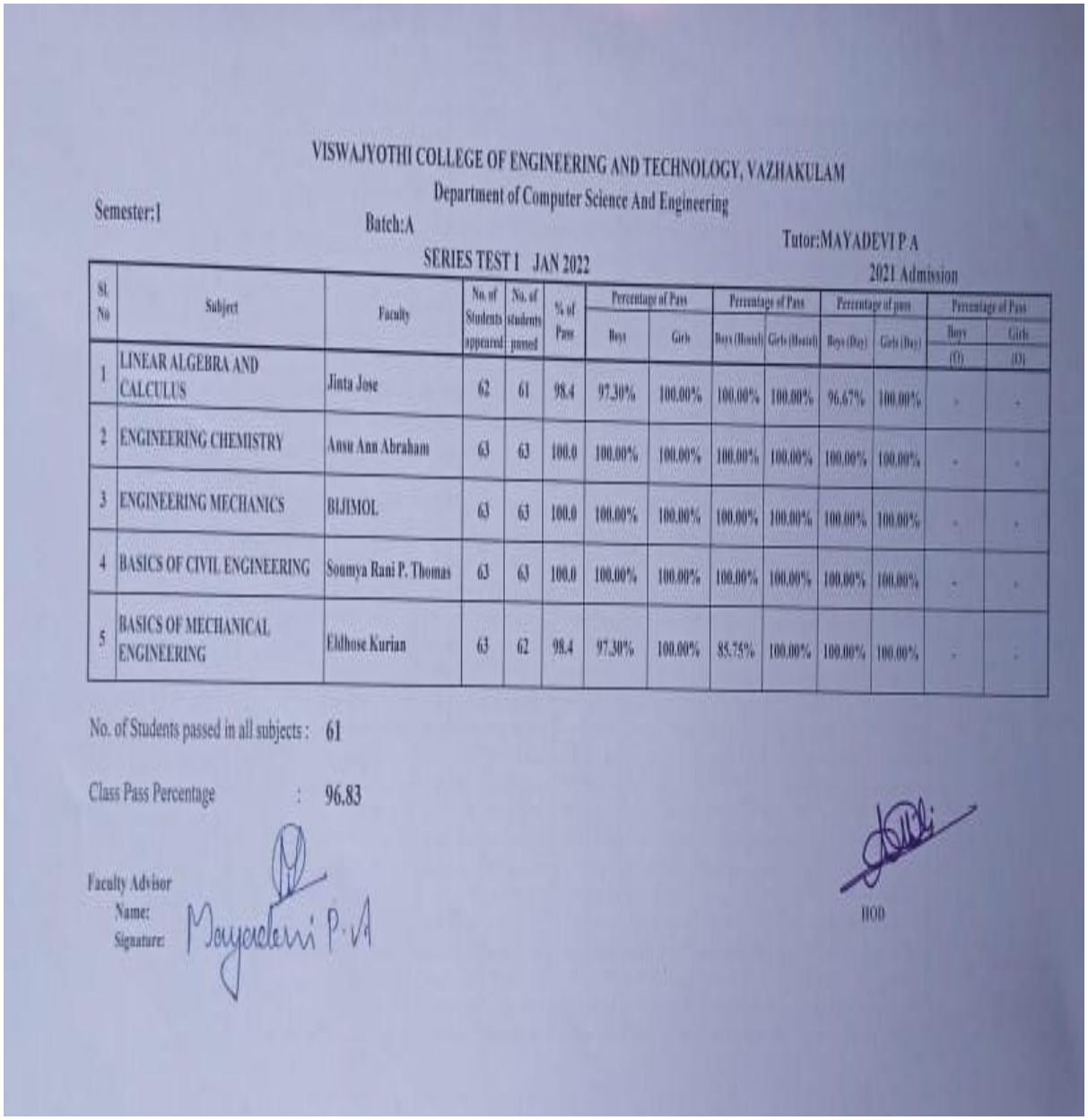
CONSOLIDFATED MARKLIST OF INTERNAL EXAM



VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM

Department of Computer Science And Engineering

Semester:1 Batch:A Tutor:MAYADEVI P A

SERIES TEST 1 JAN 2022 2021 Admission

Sl. No	Subject	Faculty	No. of Students appeared	No. of students passed	% of Pass	Percentage of Pass		Percentage of Pass		Percentage of pass		Percentage of Pass	
						Boys	Girls	Boys (Hostel)	Girls (Hostel)	Boys (Day)	Girls (Day)	Boys (D)	Girls (D)
1	LINEAR ALGEBRA AND CALCULUS	Jinta Jose	62	61	98.4	97.30%	100.00%	100.00%	100.00%	96.67%	100.00%	-	-
2	ENGINEERING CHEMISTRY	Annu Ann Abraham	63	63	100.0	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	-	-
3	ENGINEERING MECHANICS	BIJIMOL	63	63	100.0	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	-	-
4	BASICS OF CIVIL ENGINEERING	Soumya Rani P. Thomas	63	63	100.0	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	-	-
5	BASICS OF MECHANICAL ENGINEERING	Eldhose Kurian	63	62	98.4	97.30%	100.00%	85.75%	100.00%	100.00%	100.00%	-	-

No. of Students passed in all subjects : 61

Class Pass Percentage : 96.83

Faculty Advisor
Name:
Signature: Mayadevi P.A

HOD

INTERNAL QUESTION PAPER AND ANSWER KEY

Name.....
Roll No.....

VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,
VAZHAKULAM
Department of Information Technology
SERIES TEST 1 –NOVEMBER, 2022

S5 IT

ITT 305 : DATA COMMUNICATION AND NETWORKING

Semester: S5
Time:2Hr

Class: IT
Marks: 50

Part A
Answer ALL questions, each carries 4 marks.

Sl. No.	Blooms Taxonomy	CO	Questions	Marks
1	Knowledge	CO1	Compare Routers and Bridges.	4
2	Evaluation	CO4	Compare Stop & Wait and Go-Back-N flow control.	4
			Part B *Answer any THREE full question, each carries 12 marks*	
3 a	Comprehension	CO1	Explain any two Guided media.	10
3 b	Comprehension	CO4	Explain features of WAN.	4
4 a	Evaluation	CO1	Compare OSI and TCP/IP reference models with suitable figures.	10
4 b	Comprehension	CO4	Calculate dmin i)(10000,01000) , ii) (10101,10110), iii) (101011,100100) . iv) (10110,11111)	4
5 a	Comprehension	CO4	List and explain ISO/OSI model with figure.	10
5 b	Application	CO1	List the advantages of Optical Fiber over twisted pair and coaxial cable.	4
6 a	Comprehension	CO1	Explain Transmission modes with figures.	10
6 b	Analysis	CO4	Describe the use of satellites in communication.	4

Course Coordinator Stream Coordinator Program Coordinator

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Name.....
Roll No.....

VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM

Department of Information Technology

SERIES TEST 1 –JANUARY, 2022

S5 IT

ITT 305 : DATA COMMUNICATION AND NETWORKING

Semester: S5 **Class: IT**
Time:2Hr **Marks: 50**

Part A

Answer ALL questions, each carries 4 marks.

Sl. No.	Blooms Taxonomy	CO	Questions	Marks
1	Knowledge	CO1	Routers and Bridges-**2 marks each.**	4
2	Evaluation	CO4	Stop & Wait and Go-Back-N flow control--**2 marks each.**.	4
			Part B	
			Answer any THREE full question, each carries 12 marks	
3 a	Comprehension	CO1	Any two Guided media---**5 marks each...**	10
3 b	Comprehension	CO4	Explanation features of WAN-**10 marks.**	4
4 a	Evaluation	CO1	Compare OSI and TCP/IP reference models with suitable figures. **5 marks each...**	10
4 b	Comprehension	CO4	Calculate dmin i)(10000,01000) , ii) (10101,10110), iii) (101011,100100) , iv) (10110,11111) **1 mark each...**	4
5 a	Comprehension	CO4	List --**4 marks** ,ISO/OSI model with figure-**4 marks** -fig.-2 marks.	10
5 b	Application	CO1	List the advantages of Optical Fiber over twisted pair and coaxial cable-**4 marks.**	4
6 a	Comprehension	CO1	Transmission modes-**7 marks +fig.-3 marks.**	10
6 b	Analysis	CO4	Describe the use of satellites in communication-**4 marks.**	4

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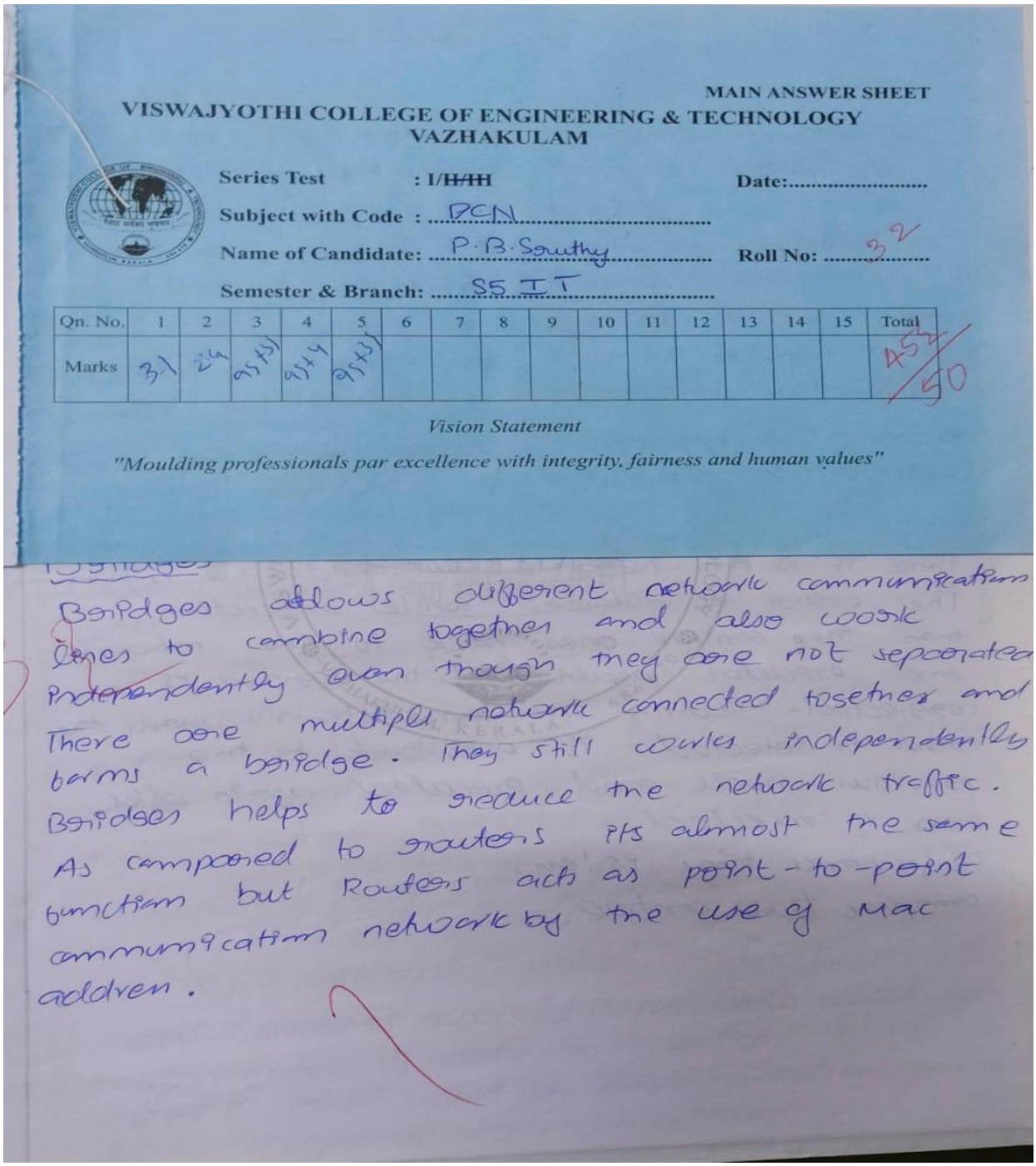
www.vjcet.org

SAMPLE ANSWERSHEET



MAIN ANSWER SHEET

VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY
VAZHAKULAM

Series Test : I/~~II/III~~ Date:.....

Subject with Code : DCN.....

Name of Candidate: P.B.Sruthy..... Roll No: 32

Semester & Branch: S5 IT

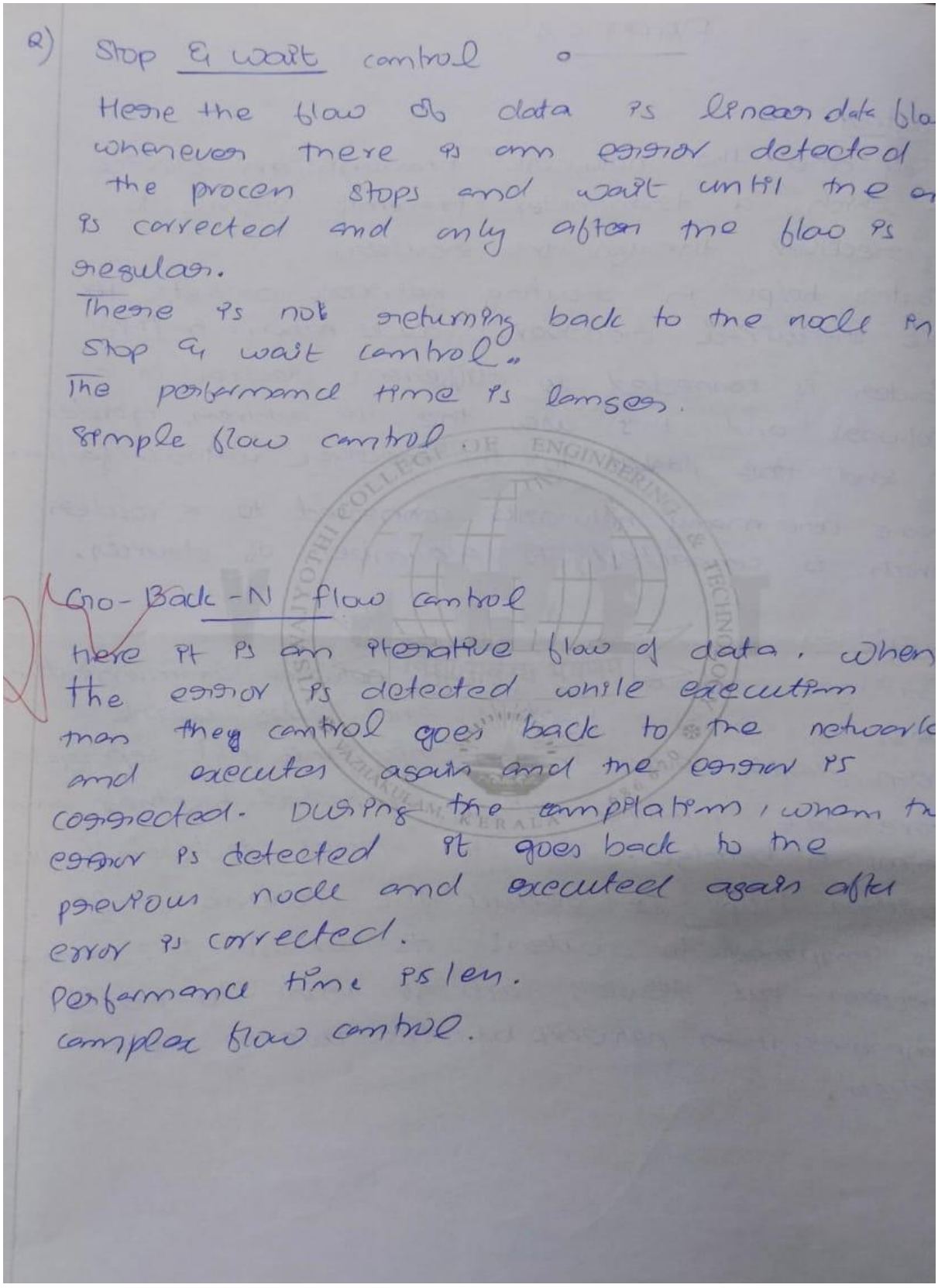
Qn. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Marks	3½	2½	9+½	9+½	9+½											45½/50

Vision Statement

"Moulding professionals par excellence with integrity, fairness and human values"

Bridges

Bridges allows different network communication lines to combine together and also work independently even though they are not separated There are multiple network connected tosether and forms a bridge. They still works independently Bridges helps to reduce the network traffic. As compared to routers its almost the same function but Routers acts as point-to-point communication network by the use of Mac addres.



Q) Stop & wait control

Here the flow of data is linear data flo
whenever there is an error detected
the procen stops and wait until the e
is corrected and only after the flow is
regular.
There is not returning back to the node in
Stop & wait control.
The performance time is longest.
Simple flow control.

Go-Back-N flow control

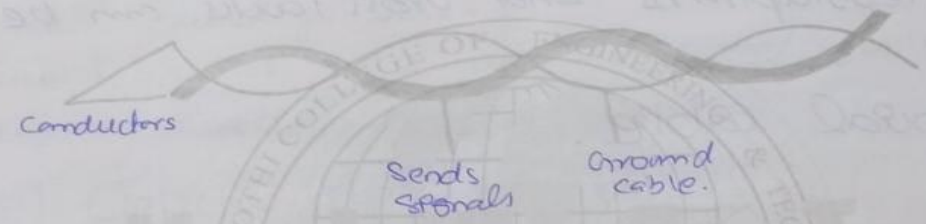
there it is an iterative flow of data. when
the error is detected while executim
man they control goes back to the network
and executes again and the error is
corrected. During the compilation, when th
error is detected it goes back to the
previous node and executed again aft
error is corrected.
Performance time is len.
complex flow control.

PART - B

There are 3 Guided Media (wired) :-

i) Twisted Pair cable
ii) Coaxial cable
iii) Optical fiber cable.

i) Twisted Pair cable

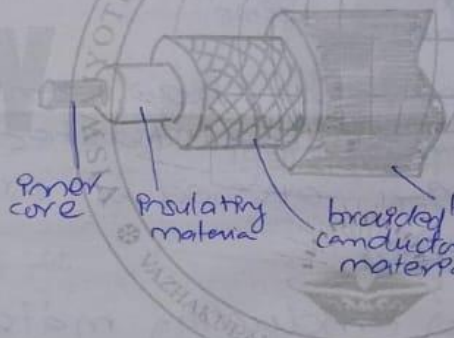


- In Twisted pair cable two conducting wire (usually copper) are twisted together with each conductors covered or insulated with insulating material.
- They both are of conducting material
- One wire is used for transmitting signals to transmission medium.
- Other wire is grounded cable.
- Twisted Pair cable are of two types :-
  - i) Shielded Twisted Pair (STP)
  - ii) Unshielded Twisted Pair (UTP)

STP (shielded Twisted Pair) are used for transmission of data to devices
UTP are used for communication purpose like telephone communications.

Unshielded twisted pairs are used for short ranged communication purposes.
There can be crosstalks or interruptions occurred while communication but this Twisted pairs cable avoids them.
The twisted cable helps the interruptions occured to equally divide the interruptions to both the wires so the intensity of interruptions is splitted to signal receiving wire as grounded cable.
Thus interruptions and cross talks can be avoided.

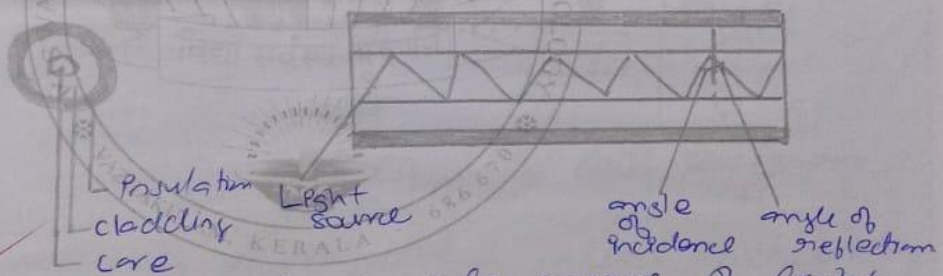
pp) Coaxial cable.



The coaxial cable consists of mainly 4 layers. The inner core which helps in the communication process and transmission of data. It has an insulating material outside the inner core inorder to prevent the interruptions from occuring. Then outer to the insulating material a braided mesh or a conducting material is coated. This layer not only helps in avoiding interrupts but also can be used for transmitting signals. The braided conductor material helps

to remove the occurance of interrupts.
As compared to the Twisted Pair, the coaxial cable is more costly and they are more efficient than Twisted pair cable.
But Coaxial cable are much less expensive as compared to fiber-optics cable.
Coaxial cables are used for transmission of ~~network~~ data ~~that~~ for distances as compared to twisted pair cable as they are used inside the building itself.
The coaxial cabe can be used for cable tv communication.

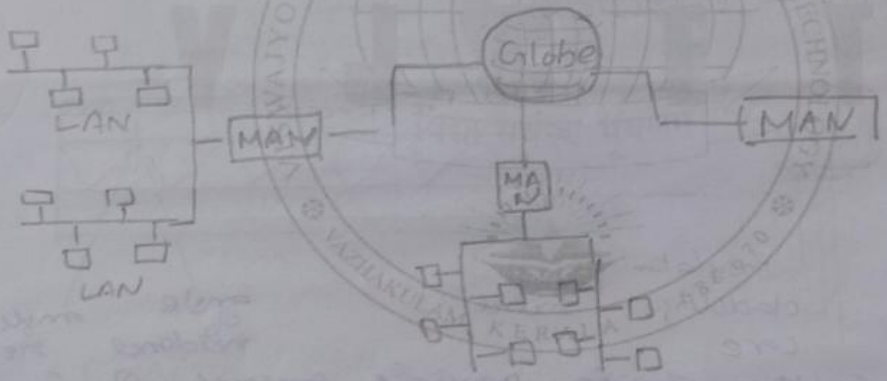
iii) Optical fiber



- Light emitting diode provide source of light
- Here the transmission of data is through light
- There are 3 layers — core, cladding, insulation
- core is where the light transfers.
- Here the reflection principle is used for data communication
- On the cladding layer, it is less angle of refraction, thus less light gets reflected away from the core
- Expensive as compared to other two guided media but fastest data transfer also over sea

b) WAN

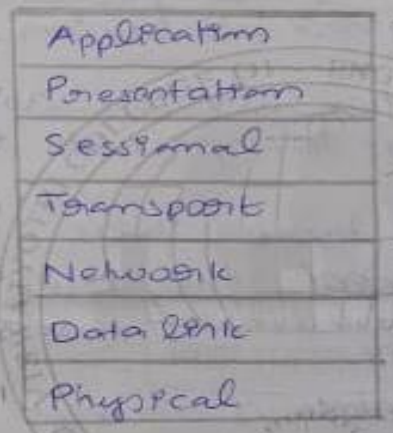
- Wide Area Network (WAN)
- Here the WAN provides communication between all the MAN's (Metropolitan Area Networks).
- All the MAN is connected to the WAN.
- This covers the communication between the countries.
- Internet is an example for wide Area Network.
- All PAN is connected to LAN and all LAN are connected to form MAN and the combination of MAN thus forms WAN.



Diagramatic representation of WAN

OSI/ISO model

- In this type of reference model the International Standardized protocol formed the OSI model.
- This is an open system.
- The OSI model consist of 7 layers :-



- This is the stack model of OSI reference model.
- The first 3 layers are called networking layer and last 3 layers are called User interference layer.
- This reference model is less complex as compared to TCP/IP.
- The Physical layer contains a receive data in the form of 0's and 1's. The bit representation is at this level. here the physical layer translate, encode, Group the received data. This is the bottom the OSI stack model.

• iii) Data link layer - Here the data is given sender and receivers IP address in the header part, so that it can be linked to the corresponding destinations.
It is end-to-end encrypted here of encryption is done in this layer.

• iii) Network layer - Here the IP address is checked and using it the packets are through the network. This layer consist of integration of networks so packets are assigned to the required destination through the IP address.

• iv) Transport layer :- Here services are provid in order to transport the packet to the desired receiver.

• v) Sessional layer :- Here there is the p of encryption occured, the services provid are session management, session encryption etc.

• vi) Presentation - The data is decoded and Pre

vii) Application :- Here the user is now ab to understand the data, the application is the top most layer in ISO/OSI refere model. Here it allows user interaction

TCP/IP reference model

• They are Transmission control Protoc

Application
Transport
Internet
Link

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TCP/IP reference model

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Application
Transport
Internet
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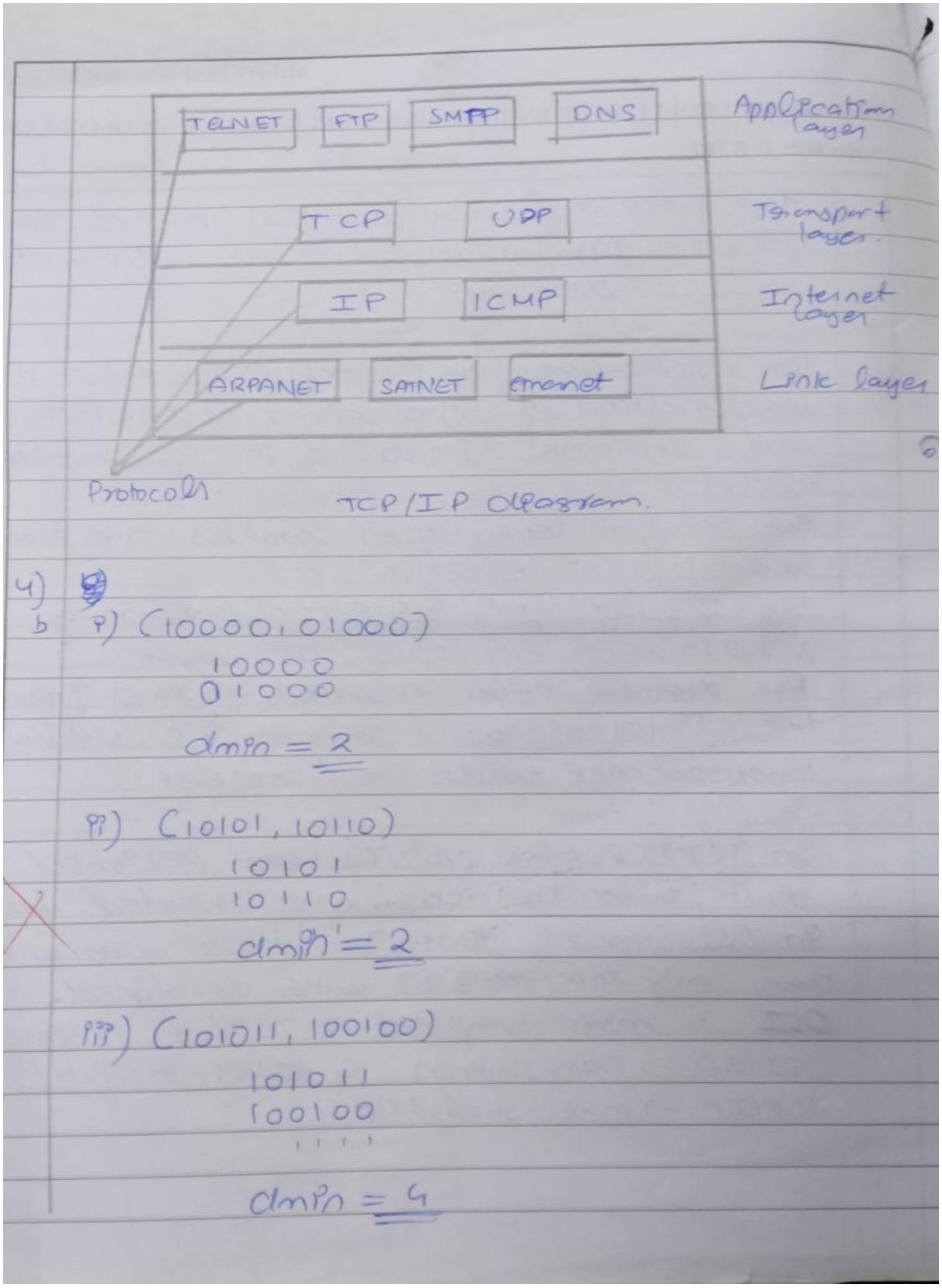

4) b

i) (10000, 01000)

10000
01000

$d_{min} = 2$

ii) (10101, 10110)

10101
10110

$d_{min} = 2$

iii) (101011, 100100)

101011
100100

$d_{min} = 4$

MARK SPLITUP

Theory

Assessment Pattern

Bloom's Category Levels	Continuous Assessment Tests		End Semester Examination
	1	2	
Level 1: Remember	10	10	20
Level 2: Understand	20	30	50
Level 3: Apply	20	10	30
Level 4: Analyse			
Level 5: Evaluate			
Level 6: Create			

Mark distribution

Total Marks	Continuous Internal Evaluation (CIE)	End Semester Examination (ESE)	ESE Duration
150	50	100	3 hours

Continuous Internal Evaluation Pattern:

Attendance : 10 marks
Continuous Assessment Test (2 numbers) : 25 marks
Assignment/Quiz/Course project : 15 marks

Lab

Continuous Internal Evaluation Pattern:

Attendance : 15 marks
Continuous Assessment : 30 marks
Internal Test (Immediately before the second series test) : 30 marks

End Semester Examination Pattern:

The following guidelines should be followed regarding award of marks

(a) Preliminary work : 15 Marks
(b) Implementing the work/Conducting the experiment : 10 Marks
(c) Performance, result and inference (usage of equipment and troubleshooting) : 25 Marks
(d) Viva voce : 20 Marks
(e) Record : 5 Marks

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SAMPLE ASSIGNMENT

DATA COMMUNICATION

ASSIGNMENT

TOPICS : * Types of Network
* routers
* bridges
* gateways
* switches

10/10

ERIC PAUL EDAKKATTIL
S5 IT
ROLL NO : 18
DATE : 26/10/2022

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NETWORKS

PERSONAL AREA NETWORK (PAN)

It is the smallest and simplest type of network, PAN connects connects devices within the range of an individual and are no larger than about 10 meters. Most of them are wireless and provide short range connectivity with infrared technology

eg: Bluetooth connectivity.

Benefits :
- Portability
- Affordability
- Reliability
- Security.

LOCAL AREA NETWORK (LAN)

It is a system where computers and other devices connect to each other in one location, the scope of a LAN can range from a few metres in a home to hundreds of metres in a large company office. LAN uses both wired and wireless connectivity options. LAN use device like wireless routers and access points to interconnect btw devices. Wired LANS are more secure because they require a physical cable to form a connection and are far less susceptible.

Benefits :
- Recourse sharing
- Secure Data Storage
- Fast communication
- seamless communication.

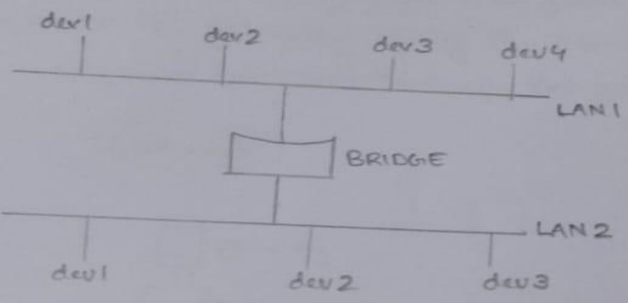
METROPOLITAN AREA NETWORK (MAN)

It is an interconnection of several LAN's throughout a city, town or municipality. It uses both wired or wireless connectivity options including fibre optics, ethernet cables, wifi or cellular.

Benefits :
- muncipal coverage
- efficient networking standards
- high speed connectivity

BRIDGE

A bridge is a network device that connects multiple LAN's together to form a larger LAN. The process of aggregating networks is called network bridging. A bridge connects the different components so that they appear as parts of a single network.



Uses:

- It connects 2 or more different LAN's that has a similar protocol.
- It helps in multiplying the network capacity of a single LAN
- They transmit data as data frames. On receiving a data frame, the bridge consults a database to decide whether to pass, transmit or discard the frame.
- It prevents a single faulty node from bringing down the entire network
- Bridges connects virtual LANs to make a larger VLAN
- No major hardware, software or architectural changes should be required for their installation.

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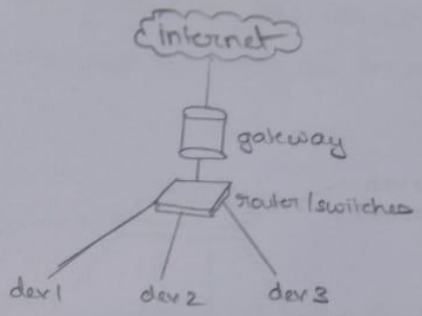
GATEWAY

A Gateway is a network node that forms a passage between 2 networks operating with different transmission protocol. The most common type of gateways, the network gateway operates at layer 3, ie network layer of the OSI model. It acts as the entry exit point for a network since all traffic that flows across the network should pass through the gateway. Only the internal traffic between the nodes of a LAN does not pass through the gateway.



types of gateways:

* unidirectional gateways: they allow data to flow in only one direction. Changes made in the source node are replicat in the destination node but not vice versa.
* Bidirectional Gateway: they allow data to flow in both direct

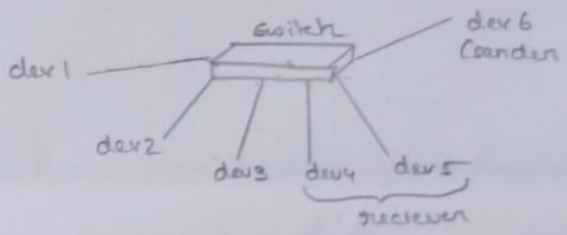
features:

* It is located at the boundary of a network and manages all data that inflows & outflows from that network
* It stores information about the routing paths of the communicatin networks.
* it uses packet switching technique to transmit data across the networks.

SWITCH

Switches are networking devices operating at layer 2 of a dat link layer of the OSI model. They connect devices in a network and uses packet switching to send, receive & foward data packets & data frames over the network

A switch has many ports to which computers are plugged in, when a data frame arrives at any port of a network switch, it examines the destination address, performs necessary checks and sends the frame to the corresponding device(s) it supports unicast, multicast as well as broadcast communications.



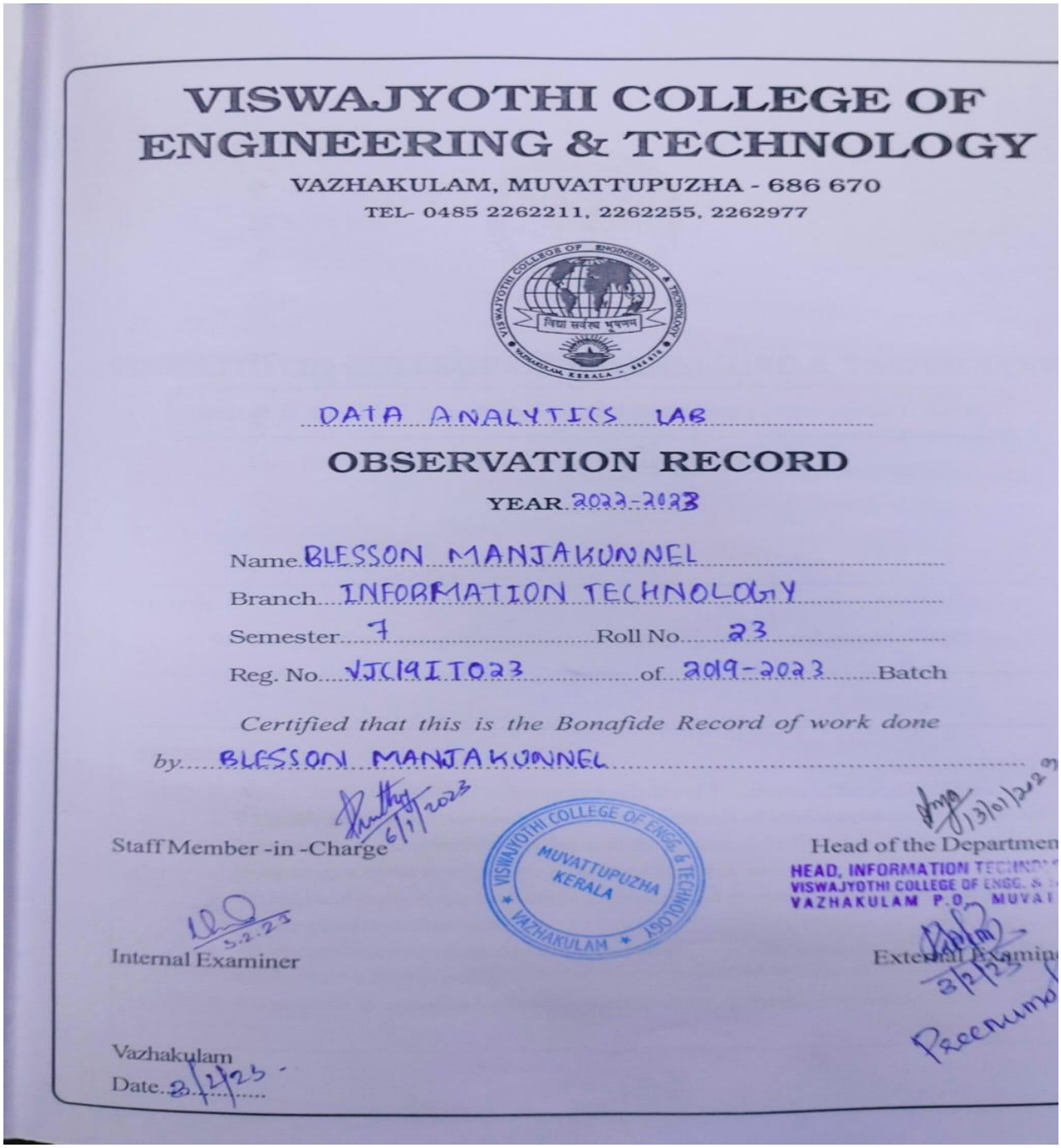
Features:

* it operates in the layer 2 ie data link layer of the OSI model
* it can be conceived as a multiport network bridge.
* It uses MAC addresses to send data packets to selected destin
* the no. of ports is higher - 24/48
* It can perform some error checking before fowarding data.

types of switches:

* unmanaged switches
* managed switches
* LAN switch
* PoE switch

SAMPLE LABORATORY RECORD



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TEL- 0485 2262211, 2262255, 2262977

DATA ANALYTICS LAB

OBSERVATION RECORD

YEAR 2022-2023

Name BLESSON MANJAKUNNEL

Branch INFORMATION TECHNOLOGY

Semester 7 Roll No 23

Reg. No VJC19IT023 of 2019-2023 Batch

Certified that this is the Bonafide Record of work done

by BLESSON MANJAKUNNEL

Staff Member -in -Charge 6/1/2023

13/01/23

Head of the Department

HEAD, INFORMATION TECHNOLOGY
VISWAJYOTHI COLLEGE OF ENGG. & TECH.
VAZHAKULAM P.O., MUVATTUPUZHA

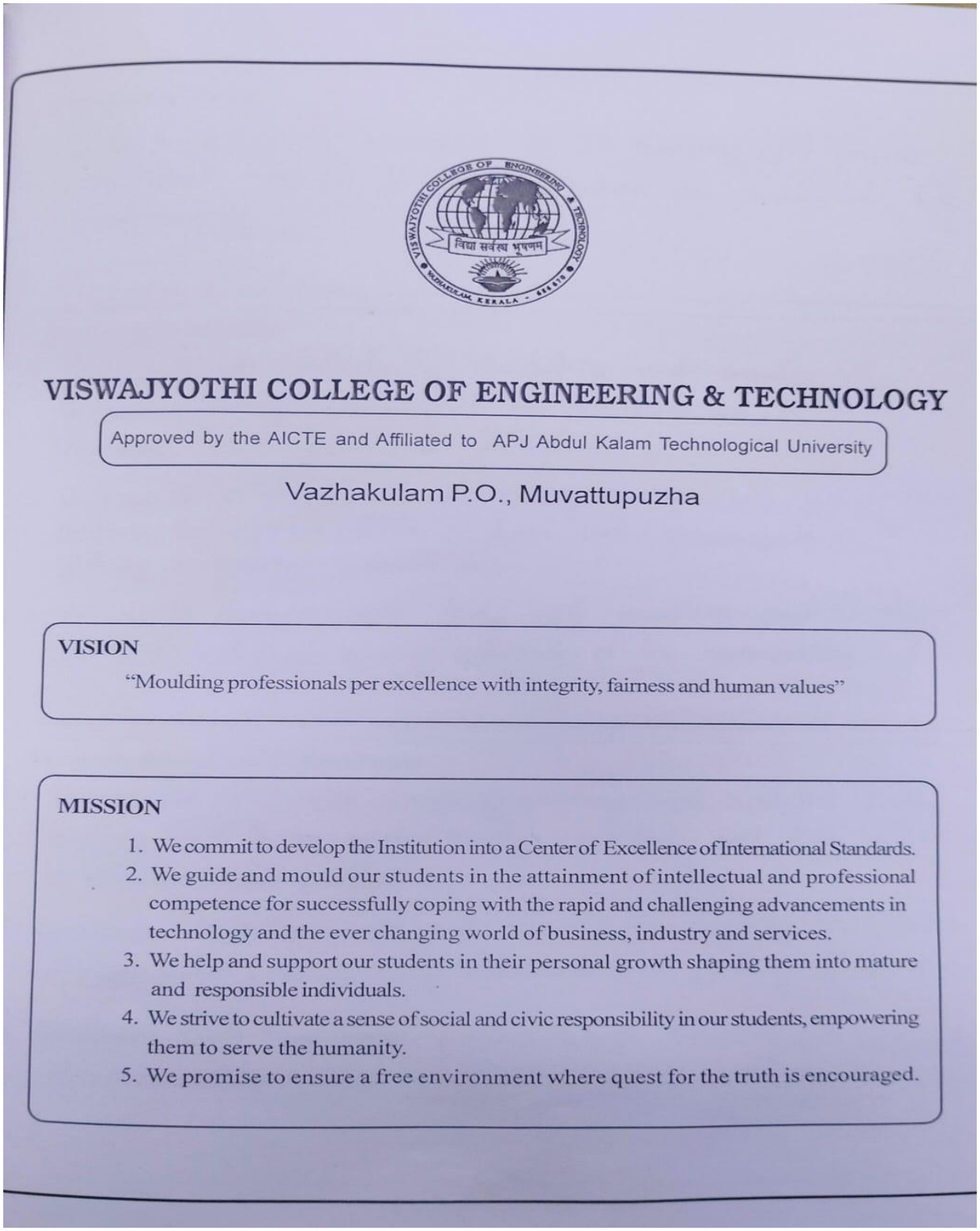
MUVATTUPUZHA KERALA

Internal Examiner 3.2.23

External Examiner 3/2/23

Vazhakulam

Date 3/2/23



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VISION

"Moulding professionals per excellence with integrity, fairness and human values"

MISSION

1. We commit to develop the Institution into a Center of Excellence of International Standards.
2. We guide and mould our students in the attainment of intellectual and professional competence for successfully coping with the rapid and challenging advancements in technology and the ever changing world of business, industry and services.
3. We help and support our students in their personal growth shaping them into mature and responsible individuals.
4. We strive to cultivate a sense of social and civic responsibility in our students, empowering them to serve the humanity.
5. We promise to ensure a free environment where quest for the truth is encouraged.

Department Vision:

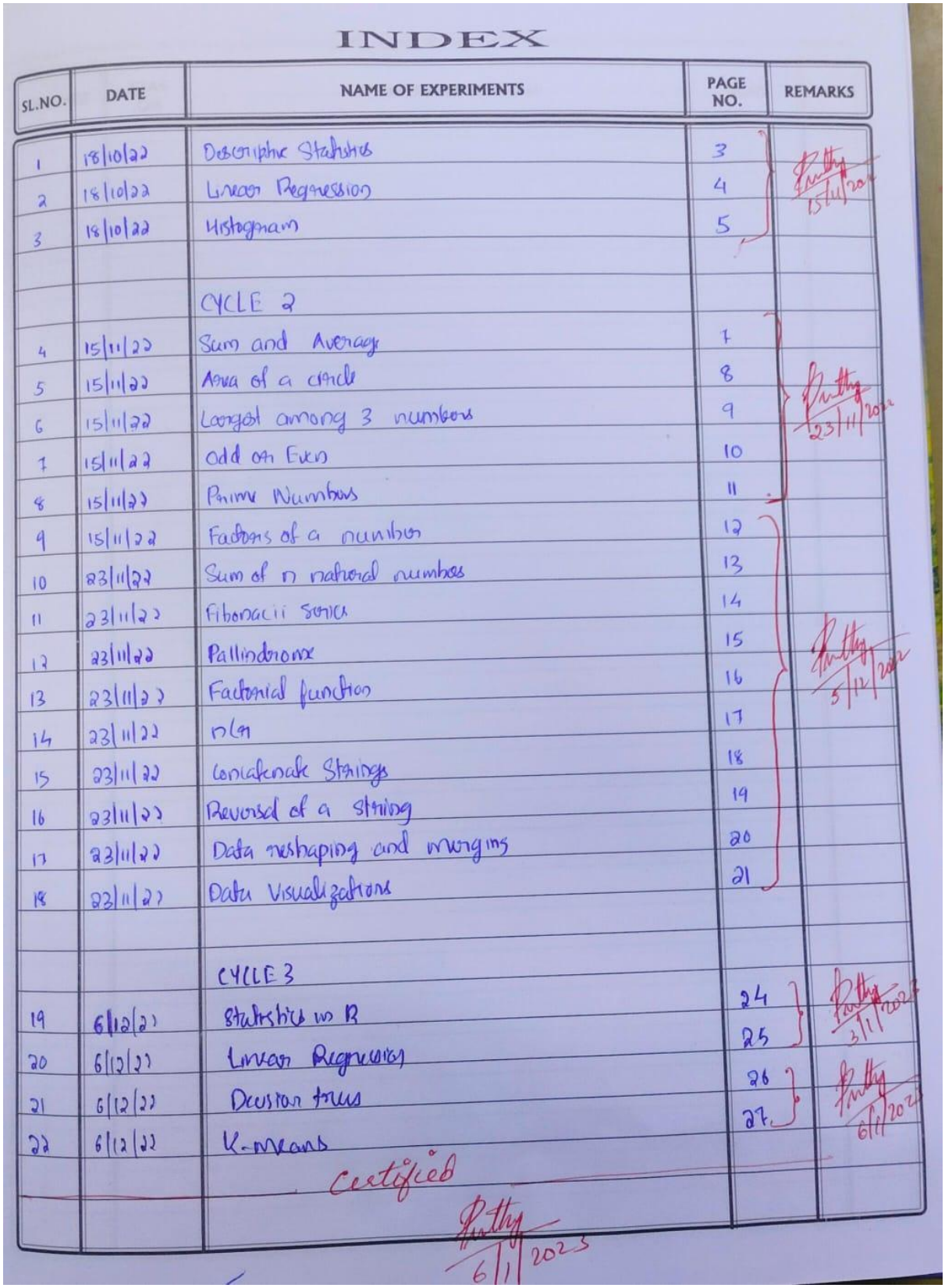
To be a centre of excellence in IT learning and provide value based training to mould students as successful IT professionals

Department Mission:

1. To provide an intellectually simulating and academically vibrant learning environment for students and train them in the basics and advanced concepts.
2. To promote a nurturing and caring environment and prepare students to achieve their academic and career goals in a globally competitive market place.
3. To mould students into ethical and competent professionals who will contribute to the betterment of the community.

Program Educational Objectives:

1. Graduates shall excel in programming and analytical skills enabling them to be professionally competent and find solutions to software based problems
2. Graduates shall have social and ethical values making them socially more acceptable and in being instrumental in uplifting quality of life.
3. Graduates shall have positive attitude towards research and entrepreneurship.



INDEX

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3	18/10/22	Histogram	5	
		CYCLE 2		
4	15/11/22	Sum and Average	7	
5	15/11/22	Area of a circle	8	
6	15/11/22	Largest among 3 numbers	9	
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Certified

6/1/2023

EXPERIMENT NUMBER 1

Data Analysis using EXCEL

1.1 Descriptive Statistics

AIM

To fine Descriptive statistics in Excel using Data Analysis ToolPack

Steps for Descriptive Statistics

1. On the Data tab, in the Analysis group, click Data Analysis.
2. Select Descriptive Statistics and click OK.
3. Select the input (example: A2:A15) as the Input Range.
4. Select any cell(C1) as the Output Range.
5. Make sure Summary statistics is checked.
6. Click OK.

Program

You can use the Analysis Toolpak add-in to generate descriptive statistics. For example, you may have the scores of 14 participants for a test.

	A	B
1	Scores	
2	82	
3	93	
4	91	
5	69	
6	96	
7	61	
8	88	
9	58	
10	59	
11	100	
12	93	
13	71	
14	78	
15	98	
16		

To generate descriptive statistics for these scores, execute the following steps.

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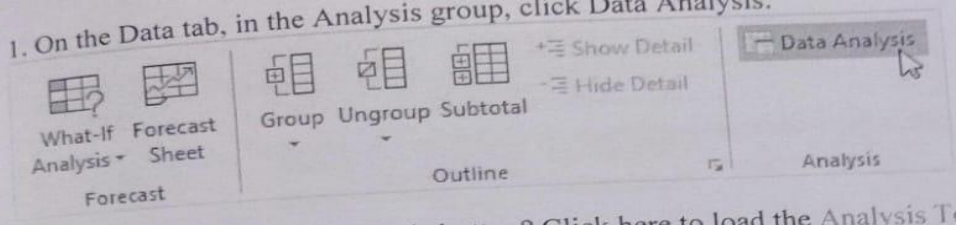
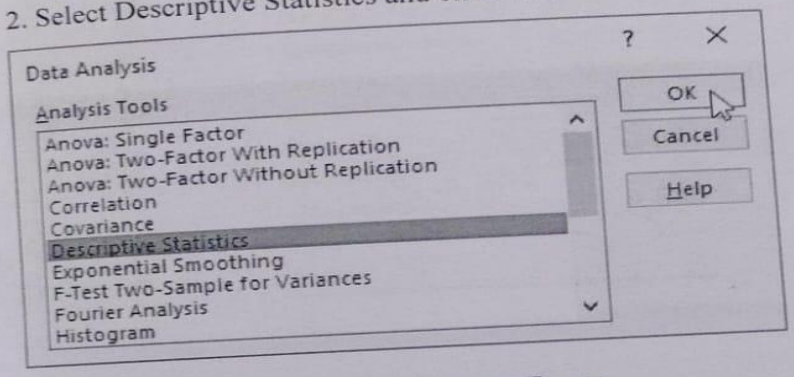
1. On the Data tab, in the Analysis group, click Data Analysis.



Note: can't find the Data Analysis button? Click here to load the Analysis ToolPak add-in.

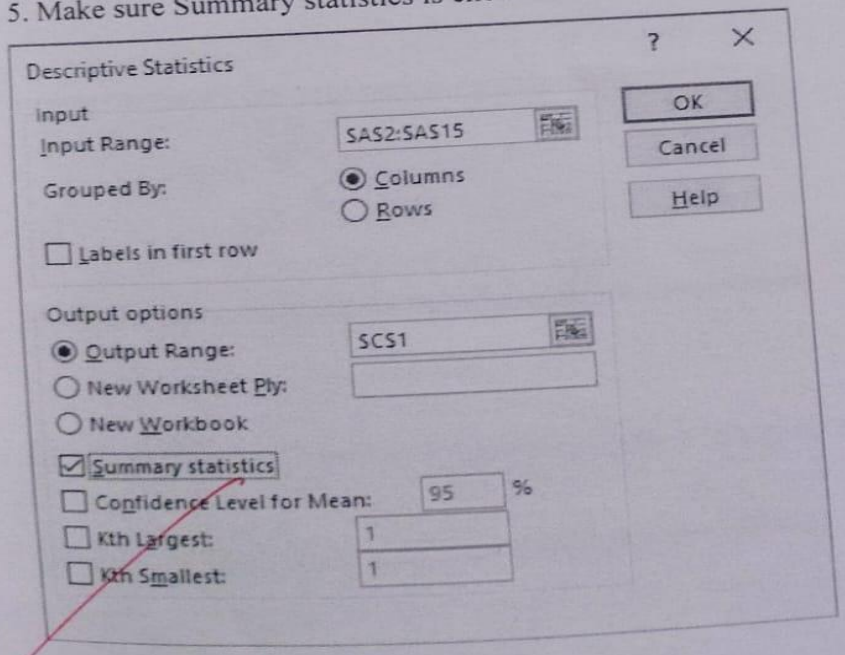
2. Select Descriptive Statistics and click OK.



3. Select the range A2:A15 as the Input Range.

4. Select cell C1 as the Output Range.

5. Make sure Summary statistics is checked.



6. Click OK.

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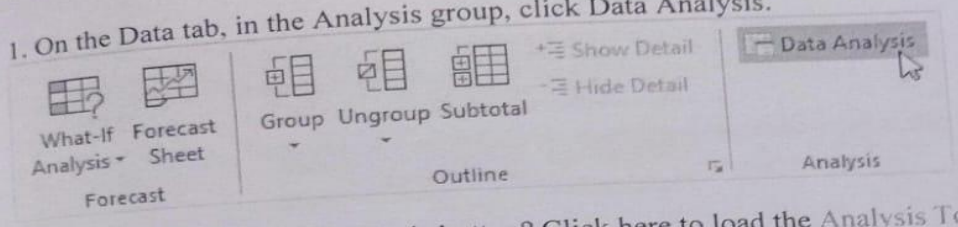

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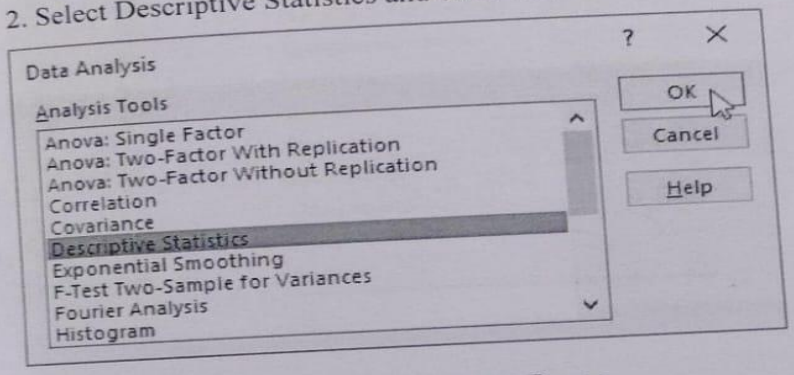
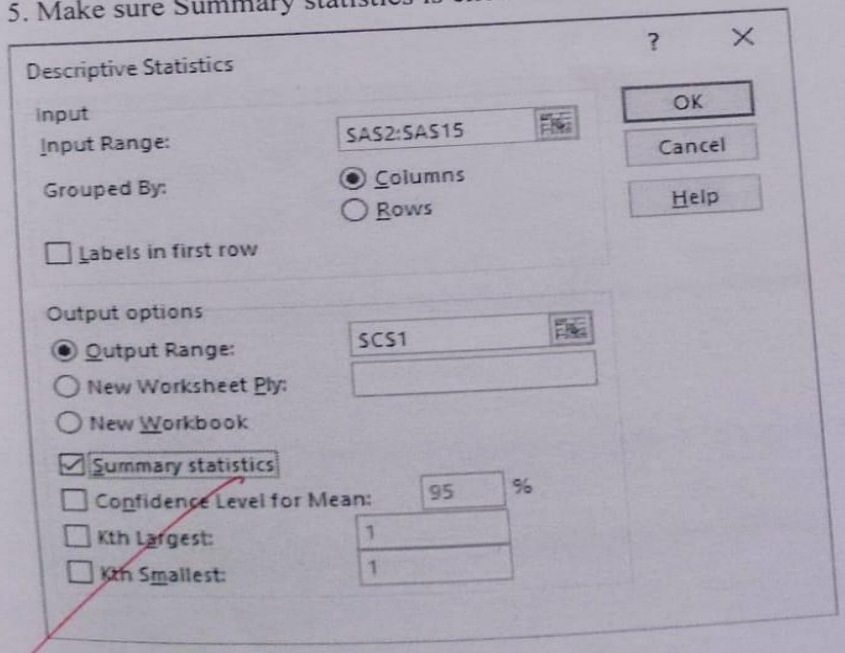


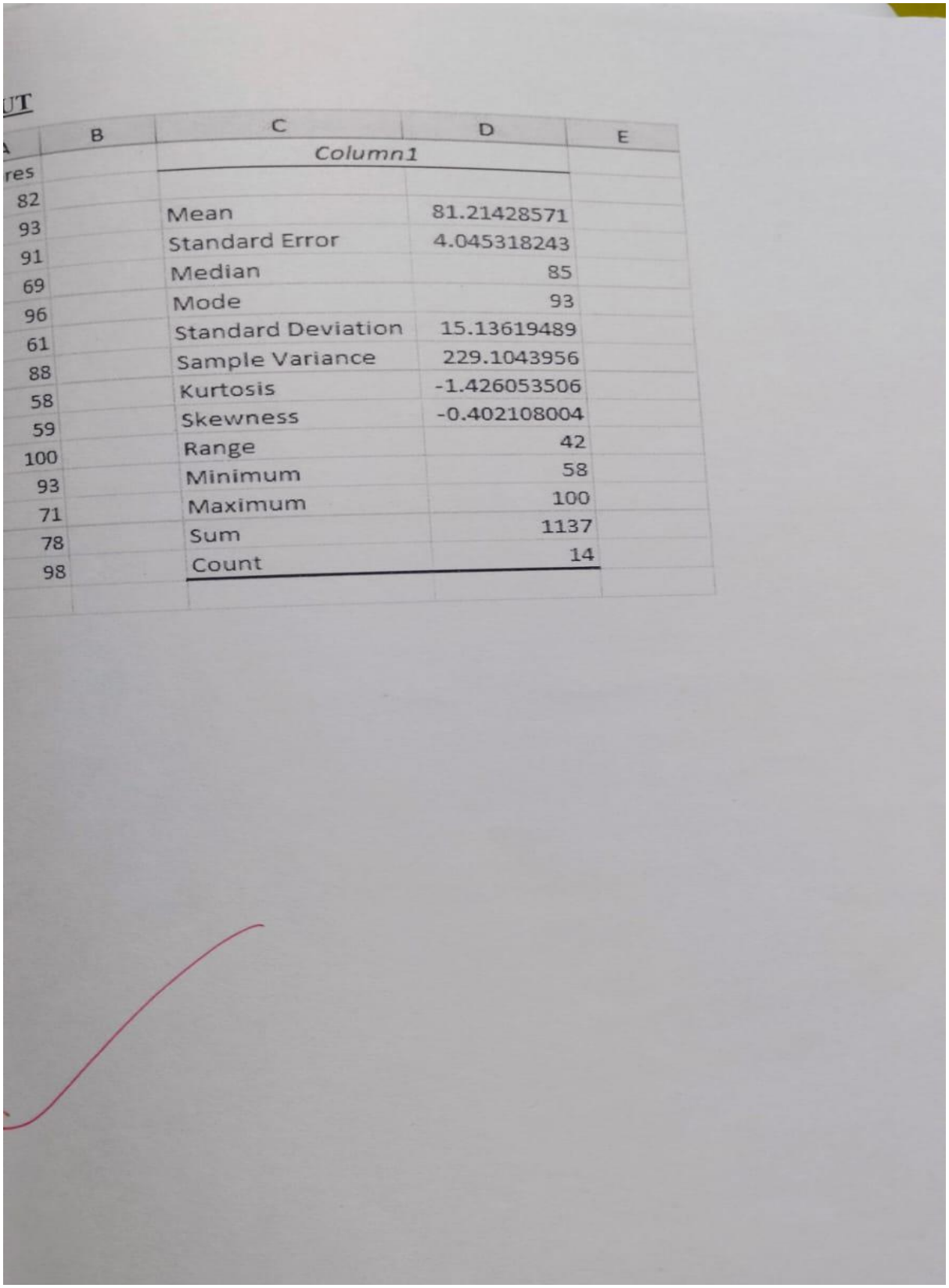
3. Select the range A2:A15 as the Input Range.

4. Select cell C1 as the Output Range.

5. Make sure Summary statistics is checked.



6. Click OK.

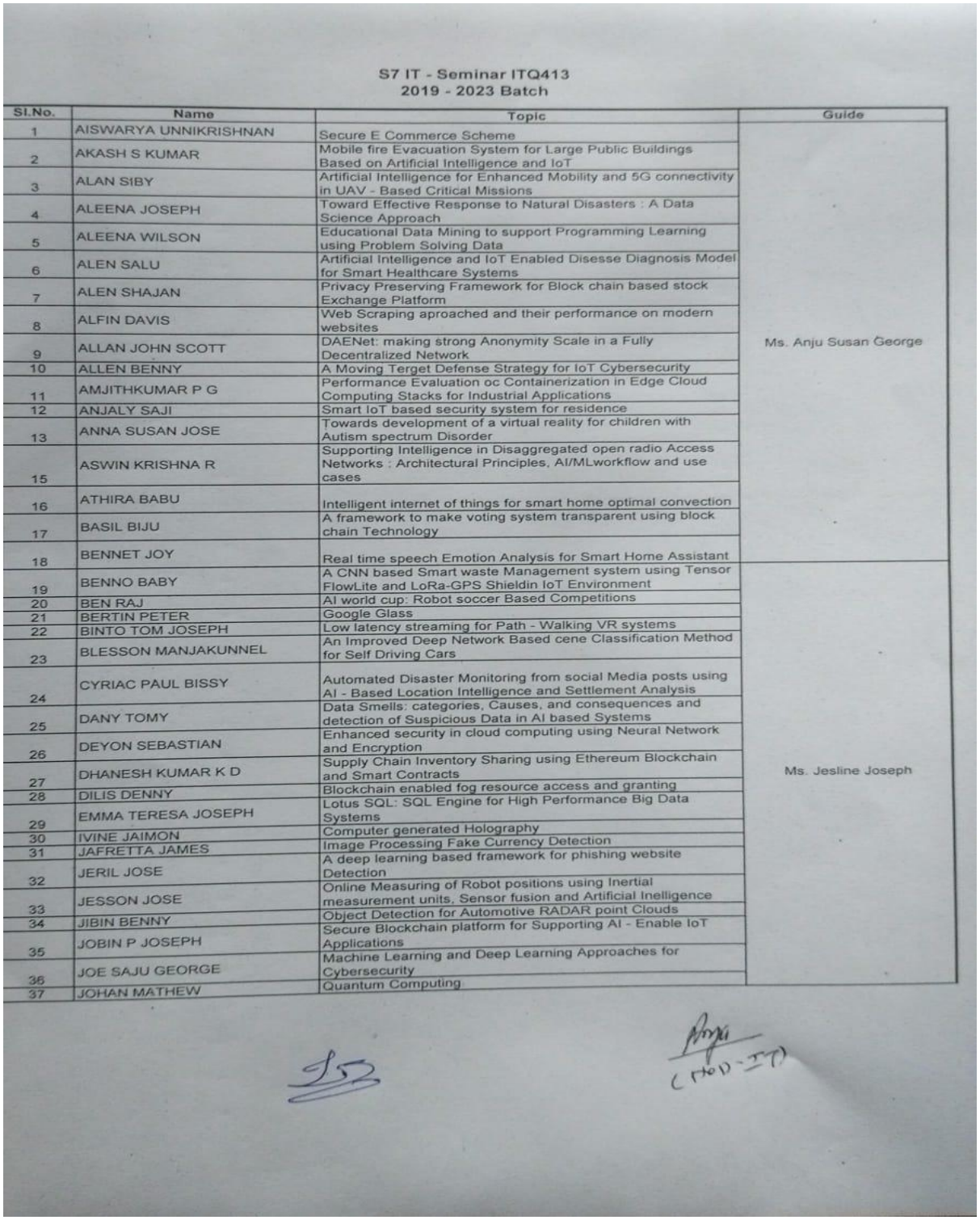


UT

res
82
93
91
69
96
61
88
58
59
100
93
71
78
98

	Column1
Mean	81.21428571
Standard Error	4.045318243
Median	85
Mode	93
Standard Deviation	15.13619489
Sample Variance	229.1043956
Kurtosis	-1.426053506
Skewness	-0.402108004
Range	42
Minimum	58
Maximum	100
Sum	1137
Count	14

SEMINAR AND PROJECT REVIEW MARKSHEET



S7 IT - Seminar ITQ413
2019 - 2023 Batch

Sl.No.	Name	Topic	Guide
1	AISWARYA UNNIKRISHNAN	Secure E Commerce Scheme	Ms. Anju Susan George
2	AKASH S KUMAR	Mobile fire Evacuation System for Large Public Buildings Based on Artificial Intelligence and IoT	
3	ALAN SIBY	Artificial Intelligence for Enhanced Mobility and 5G connectivity in UAV - Based Critical Missions	
4	ALEENA JOSEPH	Toward Effective Response to Natural Disasters : A Data Science Approach	
5	ALEENA WILSON	Educational Data Mining to support Programming Learning using Problem Solving Data	
6	ALEN SALU	Artificial Intelligence and IoT Enabled Disesse Diagnosis Model for Smart Healthcare Systems	
7	ALEN SHAJAN	Privacy Preserving Framework for Block chain based stock Exchange Platform	
8	ALFIN DAVIS	Web Scraping aproached and their performance on modern websites	
9	ALLAN JOHN SCOTT	DAENet: making strong Anonymity Scale in a Fully Decentralized Network	
10	ALLEN BENNY	A Moving Terget Defense Strategy for IoT Cybersecurity	
11	AMJITHKUMAR P G	Performance Evaluation oc Containerization in Edge Cloud Computing Stacks for Industrial Applications	
12	ANJALY SAJI	Smart IoT based security system for residence	
13	ANNA SUSAN JOSE	Towards development of a virtual reality for children with Autism spectrum Disorder	
15	ASWIN KRISHNA R	Supporting Intelligence in Disaggregated open radio Access Networks : Architectural Principles, AI/MLworkflow and use cases	
16	ATHIRA BABU	Intelligent internet of things for smart home optimal convection	
17	BASIL BIJU	A framework to make voting system transparent using block chain Technology	
18	BENNET JOY	Real time speech Emotion Analysis for Smart Home Assistant	
19	BENNO BABY	A CNN based Smart waste Management system using Tensor FlowLite and LoRa-GPS Shieldin IoT Environment	Ms. Jesline Joseph
20	BEN RAJ	AI world cup: Robot soccer Based Competitions	
21	BERTIN PETER	Google Glass	
22	BINTO TOM JOSEPH	Low latency streaming for Path - Walking VR systems	
23	BLESSON MANJAKUNNEL	An Improved Deep Network Based cene Classification Method for Self Driving Cars	
24	CYRIAC PAUL BISSY	Automated Disaster Monitoring from social Media posts using AI - Based Location Intelligence and Settlement Analysis	
25	DANY TOMY	Data Smells: categories, Causes, and consequences and detection of Suspicious Data in AI based Systems	
26	DEYON SEBASTIAN	Enhanced security in cloud computing using Neural Network and Encryption	
27	DHANESH KUMAR K D	Supply Chain Inventory Sharing using Ethereum Blockchain and Smart Contracts	
28	DILIS DENNY	Blockchain enabled fog resource access and granting	
29	EMMA TERESA JOSEPH	Lotus SQL: SQL Engine for High Performance Big Data Systems	
30	IVINE JAIMON	Computer generated Holography	
31	JAFRETTA JAMES	Image Processing Fake Currency Detection	
32	JERIL JOSE	A deep learning based framework for phishing website Detection	
33	JESSON JOSE	Online Measuring of Robot positions using Inertial measurement units, Sensor fusion and Artificial Inelligence	
34	JIBIN BENNY	Object Detection for Automotive RADAR point Clouds	
35	JOBIN P JOSEPH	Secure Blockchain platform for Supporting AI - Enable IoT Applications	
36	JOE SAJU GEORGE	Machine Learning and Deep Learning Approaches for Cybersecurity	
37	JOHAN MATHEW	Quantum Computing	

(HOD-IT)

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38	KEVIN KURIAN T	Internet of Things and	Ms. Josna Jose
39	KEVIN VINOD	A large scale Simulator for NB-IoT	
40	LEONA MARIA JOSE	Fake Document Generation for Cuber Deception by Manupulating Text Comprehensibility	
41	MILAN K BIJU	The Key Applicatin Software Service in Science Cloud Computing	
42	MRIDULA ANN OOMMEN	Indoor/ outdoor semantic segmentation using Deep learning for visually impaired Wheelchair users	
43	NANDHU PRAKASH	An AI - powered Threat Detector for Intelligent Surveillance Cameras	
44	NAVEEN SIBI	Enabling customizable services for multimodal smart mobility with City platforms	
45	NEVIN SHAJU	A cough Based Deep Learning Framework for Detecting Covid 19	
46	RICHARD PETER	Real time Traffic Signs and Road Objects Detection Based on Mobile GPU Platform	
47	RONEY SAJEE	Block Chain Based per to peer business transaction for international trade	
49	ROZELLA MARIA TREESA BOBAN	EMS: An Energy management scheme for Green ToT Environments	
50	SIVAPRASAD P R	Automated Detection of Covid - 19 infection using chest X - Ray Images through transfer learning	
51	SMRUTHI BABU	Zero trust Architecture (ZTA)	
52	SREELAKSHMI K S	Dynamic crosswalk scene understanding for the visually impaired	
53	SREEVISAKH MARATH SURAJ	Blockchain and AI- Empowered Healthcare Insurance Fraud Detection : An Analysis, Architecture and Future Prospects	
54	SUSMI SHAJI	Detecting Brain Tumor by using machine learning and image processing techniques	
55	SWATHY KRISHNA P. KAIMAL	Blue Brain Technology	
56	THOMAS PAULSON	Drone Navigation using Region and Edge Exploitation Based Deep CNN	

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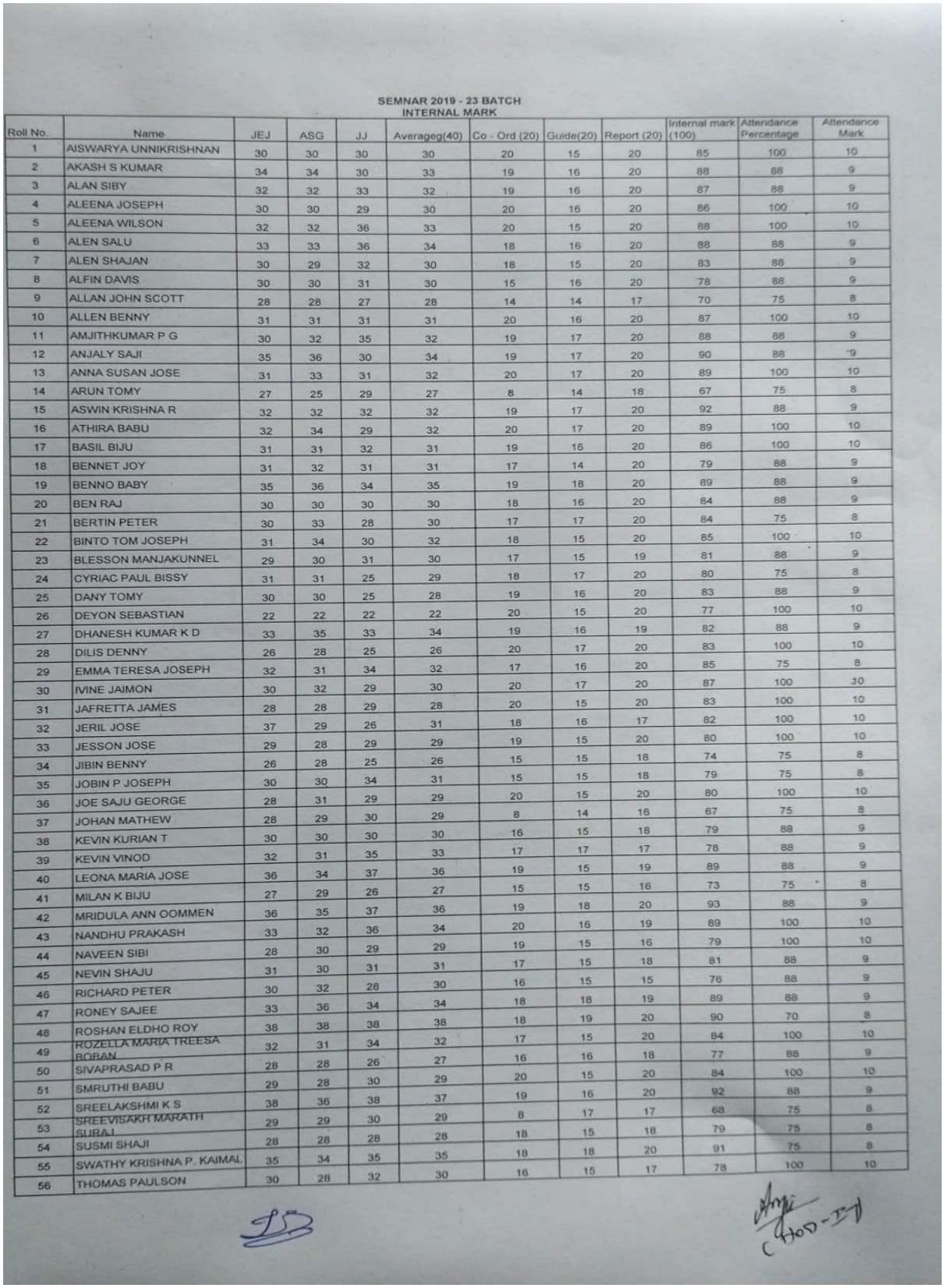

SEMNAR 2019 - 23 BATCH
INTERNAL MARK

Roll No.	Name	JEJ	ASG	JJ	Averageg(40)	Co - Ord (20)	Guide(20)	Report (20)	Internal mark (100)	Attendance Percentage	Attendance Mark
1	AISWARYA UNNIKRISHNAN	30	30	30	30	20	15	20	85	100	10
2	AKASH S KUMAR	34	34	30	33	19	16	20	88	88	9
3	ALAN SIBY	32	32	33	32	19	16	20	87	88	9
4	ALEENA JOSEPH	30	30	29	30	20	16	20	86	100	10
5	ALEENA WILSON	32	32	36	33	20	15	20	88	100	10
6	ALEN SALU	33	33	36	34	18	16	20	88	88	9
7	ALEN SHAJAN	30	29	32	30	18	15	20	83	88	9
8	ALFIN DAVIS	30	30	31	30	15	16	20	78	88	9
9	ALLAN JOHN SCOTT	28	28	27	28	14	14	17	70	75	8
10	ALLEN BENNY	31	31	31	31	20	16	20	87	100	10
11	AMJITHKUMAR P G	30	32	35	32	19	17	20	88	88	9
12	ANJALY SAJI	35	36	30	34	19	17	20	90	88	9
13	ANNA SUSAN JOSE	31	33	31	32	20	17	20	89	100	10
14	ARUN TOMY	27	25	29	27	8	14	18	67	75	8
15	ASWIN KRISHNA R	32	32	32	32	19	17	20	92	88	9
16	ATHIRA BABU	32	34	29	32	20	17	20	89	100	10
17	BASIL BIJU	31	31	32	31	19	16	20	86	100	10
18	BENNET JOY	31	32	31	31	17	14	20	79	88	9
19	BENNO BABY	35	36	34	35	19	18	20	89	88	9
20	BEN RAJ	30	30	30	30	18	16	20	84	88	9
21	BERTIN PETER	30	33	28	30	17	17	20	84	75	8
22	BINTO TOM JOSEPH	31	34	30	32	18	15	20	85	100	10
23	BLESSON MANJAKUNNEL	29	30	31	30	17	15	19	81	88	9
24	CYRIAC PAUL BISSY	31	31	25	29	18	17	20	80	75	8
25	DANY TOMY	30	30	25	28	19	16	20	83	88	9
26	DEYON SEBASTIAN	22	22	22	22	20	15	20	77	100	10
27	DHANESH KUMAR K D	33	35	33	34	19	16	19	82	88	9
28	DILIS DENNY	26	28	25	26	20	17	20	83	100	10
29	EMMA TERESA JOSEPH	32	31	34	32	17	16	20	85	75	8
30	IVINE JAIMON	30	32	29	30	20	17	20	87	100	10
31	JAFRETTA JAMES	28	28	29	28	20	15	20	83	100	10
32	JERIL JOSE	37	29	26	31	18	16	17	82	100	10
33	JESSON JOSE	29	28	29	29	19	15	20	80	100	10
34	JIBIN BENNY	26	28	25	26	15	15	18	74	75	8
35	JOBIN P JOSEPH	30	30	34	31	15	15	18	79	75	8
36	JOE SAJU GEORGE	28	31	29	29	20	15	20	80	100	10
37	JOHAN MATHEW	28	29	30	29	8	14	16	67	75	8
38	KEVIN KURIAN T	30	30	30	30	16	15	18	79	88	9
39	KEVIN VINOD	32	31	35	33	17	17	17	78	88	9
40	LEONA MARIA JOSE	36	34	37	36	19	15	19	89	88	9
41	MILAN K BIJU	27	29	26	27	15	15	16	73	75	8
42	MRIDULA ANN OOMMEN	36	35	37	36	19	18	20	93	88	9
43	NANDHU PRAKASH	33	32	36	34	20	16	19	89	100	10
44	NAVEEN SIBI	28	30	29	29	19	15	16	79	100	10
45	NEVIN SHAJU	31	30	31	31	17	15	18	81	88	9
46	RICHARD PETER	30	32	28	30	16	15	15	76	88	9
47	RONEY SAJEE	33	36	34	34	18	18	19	89	88	9
48	ROSHAN ELDHO ROY	38	38	38	38	18	19	20	90	70	8
49	ROZELLA MARIA TREESA BOBAN	32	31	34	32	17	15	20	84	100	10
50	SIVAPRASAD P R	28	28	26	27	16	16	18	77	88	9
51	SMRUTHI BABU	29	28	30	29	20	15	20	84	100	10
52	SREELAKSHMI K S	38	36	38	37	19	16	20	92	88	9
53	SREEVISAKH MARATH SURAJ	29	29	30	29	8	17	17	68	75	8
54	SUSMI SHAJI	28	26	28	28	18	15	18	79	75	8
55	SWATHY KRISHNA P. KAIMAL	35	34	35	35	18	18	20	91	75	8
56	THOMAS PAULSON	30	28	32	30	16	15	17	78	100	10

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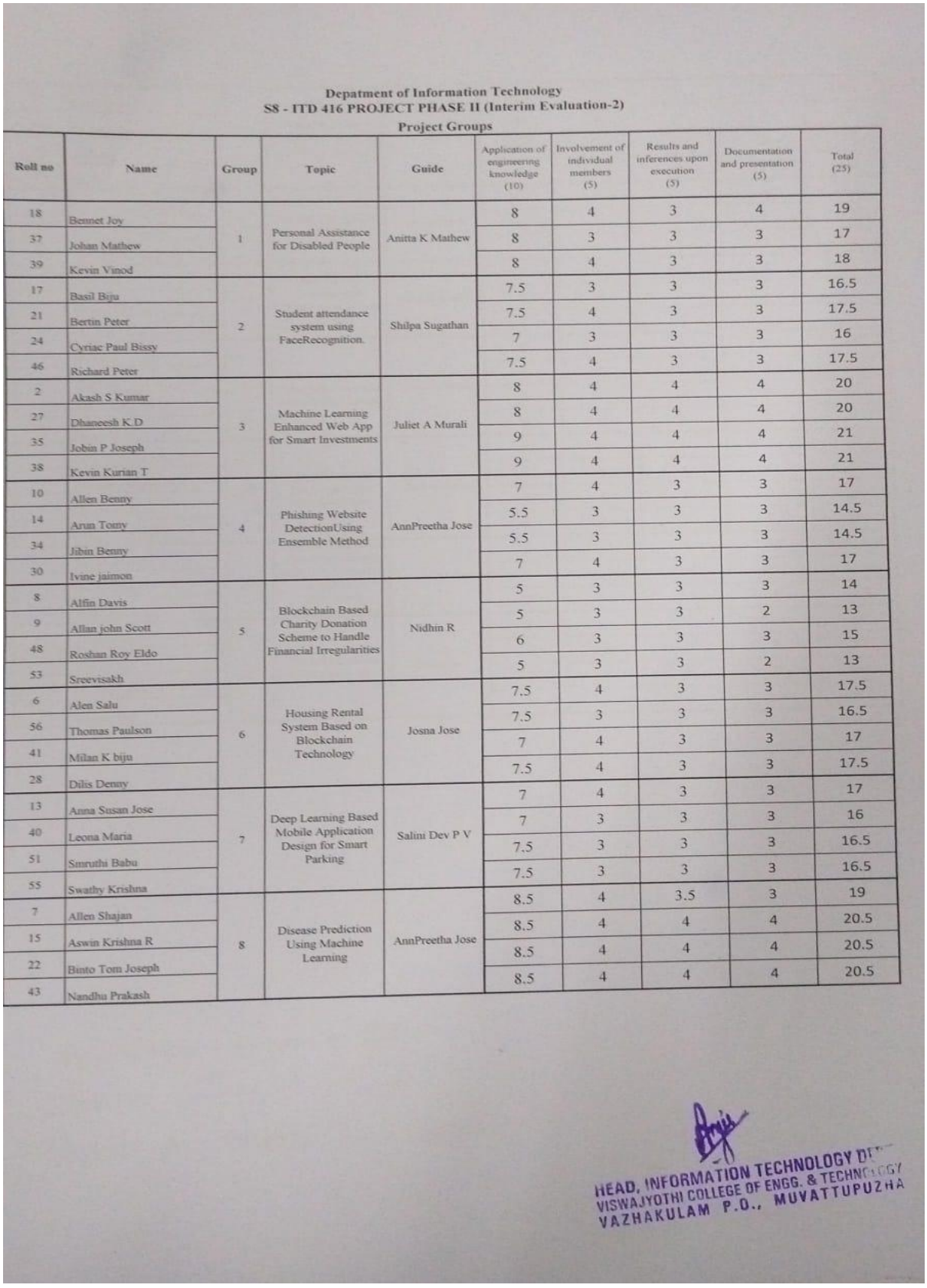

Depatment of Information Technology
S8 - ITD 416 PROJECT PHASE II (Interim Evaluation-2)
Project Groups

Roll no	Name	Group	Topic	Guide	Application of engineering knowledge (10)	Involvement of individual members (5)	Results and inferences upon execution (5)	Documentation and presentation (5)	Total (25)
18	Bennet Joy	1	Personal Assistance for Disabled People	Anitta K Mathew	8	4	3	4	19
37	Johan Mathew				8	3	3	3	17
39	Kevin Vinod				8	4	3	3	18
17	Basil Biju	2	Student attendance system using FaceRecognition.	Shilpa Sugathan	7.5	3	3	3	16.5
21	Bertin Peter				7.5	4	3	3	17.5
24	Cyriac Paul Bissy				7	3	3	3	16
46	Richard Peter				7.5	4	3	3	17.5
2	Akash S Kumar	3	Machine Learning Enhanced Web App for Smart Investments	Juliet A Murali	8	4	4	4	20
27	Dhaneesh K.D				8	4	4	4	20
35	Jobin P Joseph				9	4	4	4	21
38	Kevin Kurian T				9	4	4	4	21
10	Allen Benny	4	Phishing Website DetectionUsing Ensemble Method	AnnPreetha Jose	7	4	3	3	17
14	Arun Tony				5.5	3	3	3	14.5
34	Jibin Benny				5.5	3	3	3	14.5
30	Ivine jaimon				7	4	3	3	17
8	Alfin Davis	5	Blockchain Based Charity Donation Scheme to Handle Financial Irregularities	Nidhin R	5	3	3	3	14
9	Allan john Scott				5	3	3	2	13
48	Roshan Roy Eldo				6	3	3	3	15
53	Sreevisakh				5	3	3	2	13
6	Alen Salu	6	Housing Rental System Based on Blockchain Technology	Josna Jose	7.5	4	3	3	17.5
56	Thomas Paulson				7.5	3	3	3	16.5
41	Milan K biju				7	4	3	3	17
28	Dilis Denny				7.5	4	3	3	17.5
13	Anna Susan Jose	7	Deep Learning Based Mobile Application Design for Smart Parking	Salini Dev P V	7	4	3	3	17
40	Leona Maria				7	3	3	3	16
51	Smruthi Babu				7.5	3	3	3	16.5
55	Swathy Krishna				7.5	3	3	3	16.5
7	Allen Shajan	8	Disease Prediction Using Machine Learning	AnnPreetha Jose	8.5	4	3.5	3	19
15	Aswin Krishna R				8.5	4	4	4	20.5
22	Binto Tom Joseph				8.5	4	4	4	20.5
43	Nandhu Prakash				8.5	4	4	4	20.5

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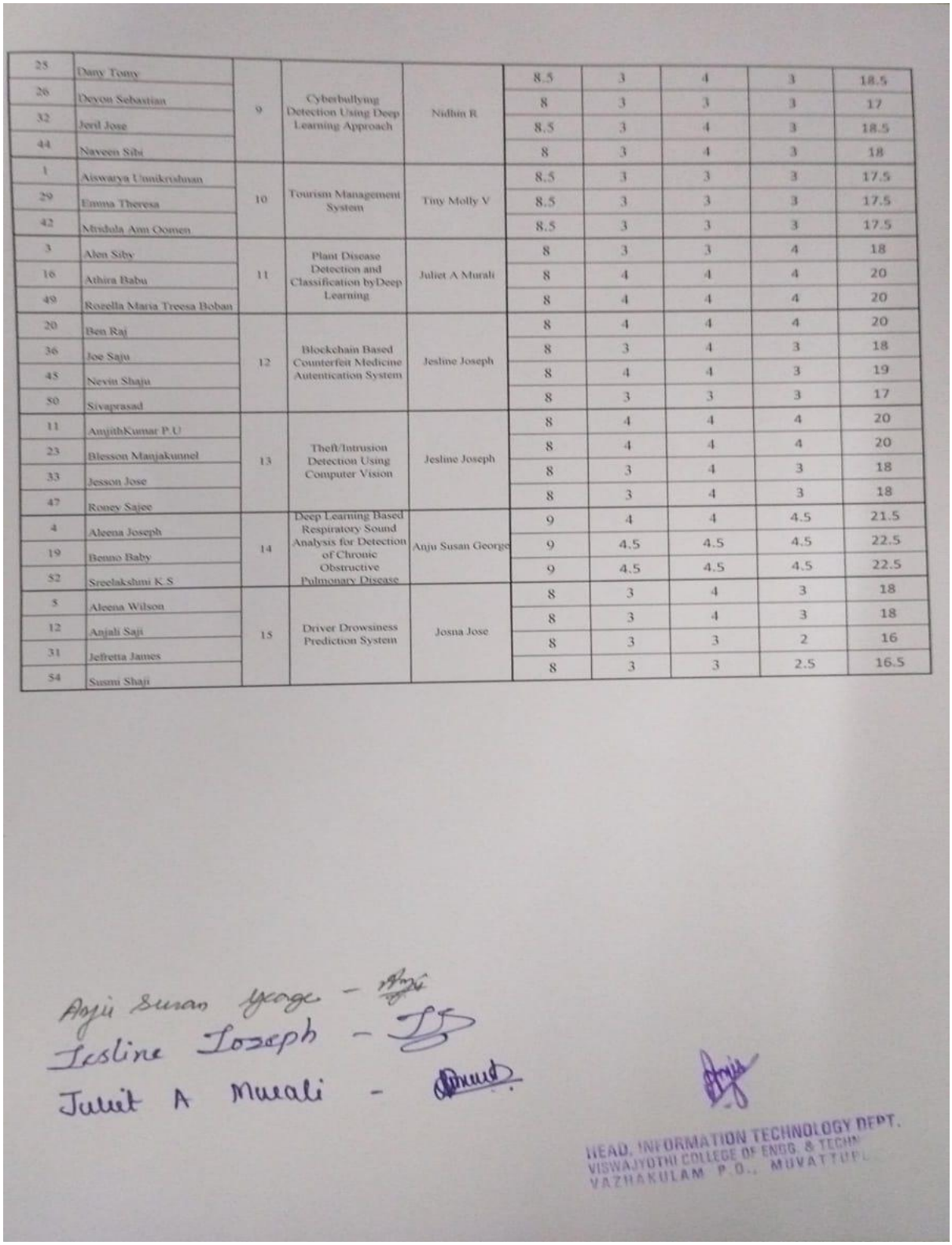

25	Dany Tomy	9	Cyberbullying Detection Using Deep Learning Approach	Nidhin R	8.5	3	4	3	18.5
26	Devon Sebastian				8	3	3	3	17
32	Jevil Jose				8.5	3	4	3	18.5
44	Naveen Sibi				8	3	4	3	18
1	Aiswarya Unnikrishnan	10	Tourism Management System	Tiny Molly V	8.5	3	3	3	17.5
29	Emma Theresa				8.5	3	3	3	17.5
42	Mridula Ann Oomen				8.5	3	3	3	17.5
3	Alen Siby	11	Plant Disease Detection and Classification byDeep Learning	Juliet A Murali	8	3	3	4	18
16	Athira Babu				8	4	4	4	20
49	Rozella Maria Treesa Boban				8	4	4	4	20
20	Ben Raj	12	Blockchain Based Counterfeit Medicine Autentication System	Jesline Joseph	8	4	4	4	20
36	Joe Saju				8	3	4	3	18
45	Nevin Shaju				8	4	4	3	19
50	Sivaprasad				8	3	3	3	17
11	AmjithKumar P.U	13	Theft/Intrusion Detection Using Computer Vision	Jesline Joseph	8	4	4	4	20
23	Blesson Manjakunnel				8	4	4	4	20
33	Jesson Jose				8	3	4	3	18
47	Roney Sajee				8	3	4	3	18
4	Aleena Joseph	14	Deep Learning Based Respiratory Sound Analysis for Detection of Chronic Obstructive Pulmonary Disease	Anju Susan George	9	4	4	4.5	21.5
19	Benno Baby				9	4.5	4.5	4.5	22.5
52	Sreelakshmi K S				9	4.5	4.5	4.5	22.5
5	Aleena Wilson	15	Driver Drowsiness Prediction System	Josna Jose	8	3	4	3	18
12	Anjali Saji				8	3	4	3	18
31	Jeffretta James				8	3	3	2	16
54	Susmi Shaji				8	3	3	2.5	16.5

Anju Susan George -
Jesline Joseph -
Juliet A Murali -

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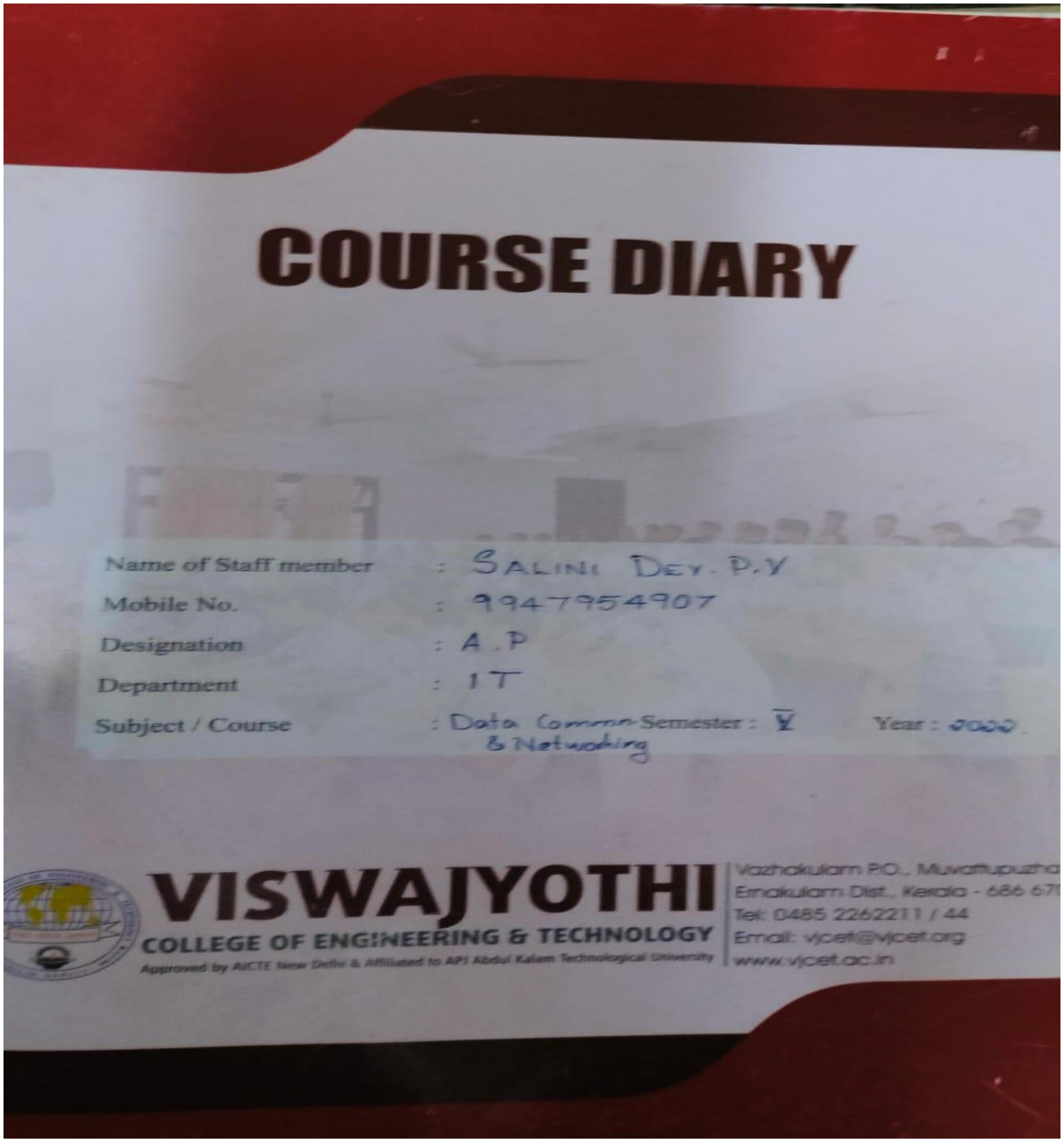
SAMPLE COURSE DIARY THEORY AND LAB



CODE	COURSE NAME	CATEGORY	L	T	P	CREDIT
ITT305	DATA COMMUNICATION AND NETWORKING	PCC	3	1	0	4

Preamble: The syllabus is prepared with a view to equip the Engineering Graduates to learn basic concepts in data communication and computer networking, and to fine-tune performance parameters used in data transmission.

Prerequisite: Nil

Course Outcomes: After completion of the course the student will be able to

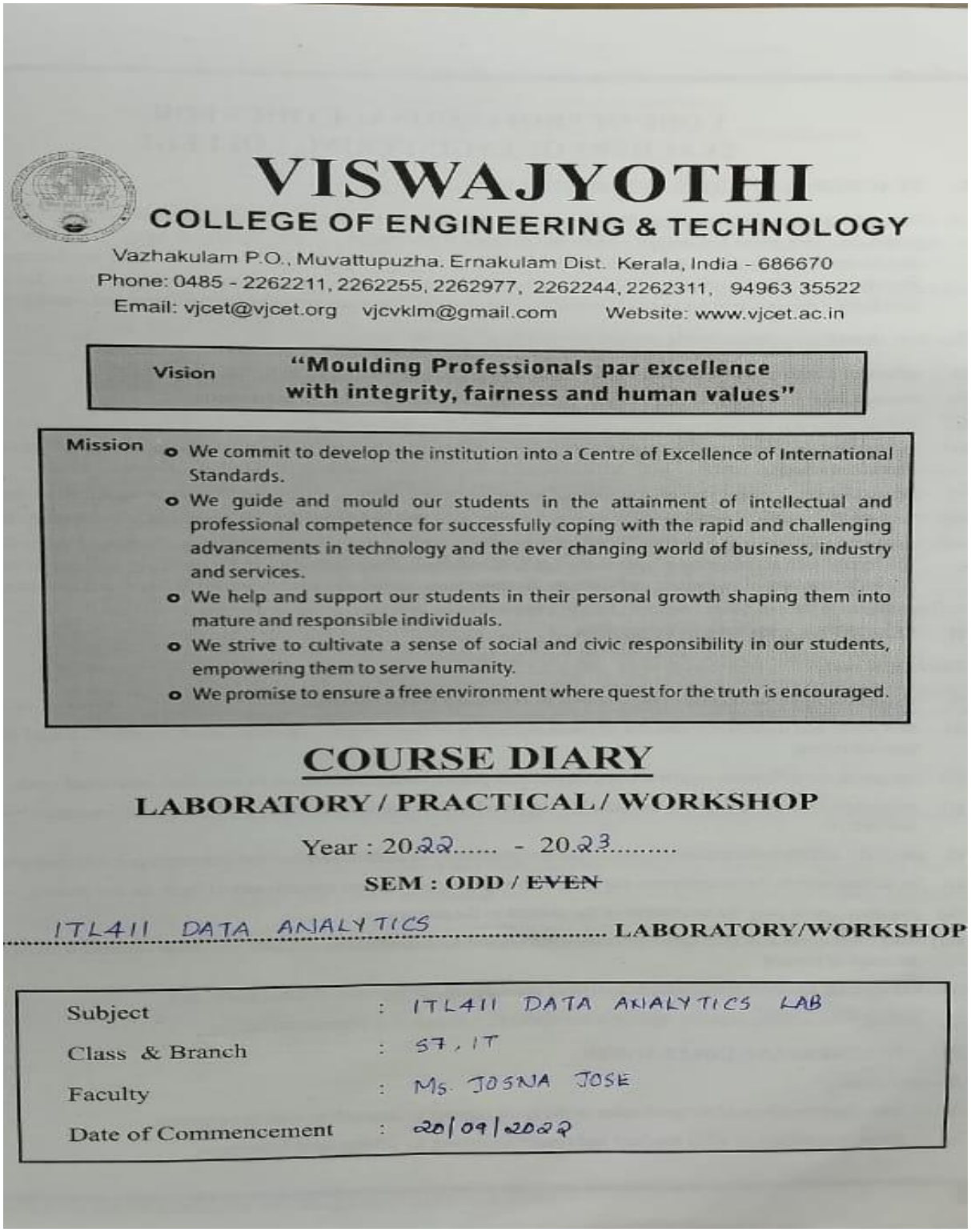
CO No.	Course Outcome (CO)	Bloom's Category Level
CO 1	Discuss the basic concepts used in data communication and computer networking	Level 2 :Understand
CO 2	Identify the concepts of data transmission and apply signal encoding techniques in data transmission.	Level 3 : Apply
CO 3	Compare different transmission mode, multiplexing, and Spread Spectrum techniques.	Level 2 :Understand
CO 4	Describe the design issues and protocols in data link layer.	Level 2 :Understand
CO 5	Summarize the routing algorithms and congestion control techniques in network layer.	Level 2 :Understand

Mapping of Course Outcomes with Program Outcomes 3/2/1: High/Medium/Low

	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	3	2	1	-	-	-	-	-	-	-	-	2
CO 2	3	3	2	1	2	-	-	-	-	-	-	2
CO 3	2	3	1	2	2	-	-	-	-	-	-	2
CO 4	2	3	3	2	1	-	-	-	-	-	-	2
CO 5	2	2	2	1	1	-	-	-	-	-	-	2

Assessment Pattern

Bloom's Category Levels	Continuous Assessment Tests		End Semester Examination
	1	2	
BL 2: Understand	30	30	60
BL 3: Apply	20	20	40
BL 4: Analyse			
BL 5: Evaluate			
BL 6: Create			



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Vision **"Moulding Professionals par excellence with integrity, fairness and human values"**

Mission

- We commit to develop the institution into a Centre of Excellence of International Standards.
- We guide and mould our students in the attainment of intellectual and professional competence for successfully coping with the rapid and challenging advancements in technology and the ever changing world of business, industry and services.
- We help and support our students in their personal growth shaping them into mature and responsible individuals.
- We strive to cultivate a sense of social and civic responsibility in our students, empowering them to serve humanity.
- We promise to ensure a free environment where quest for the truth is encouraged.

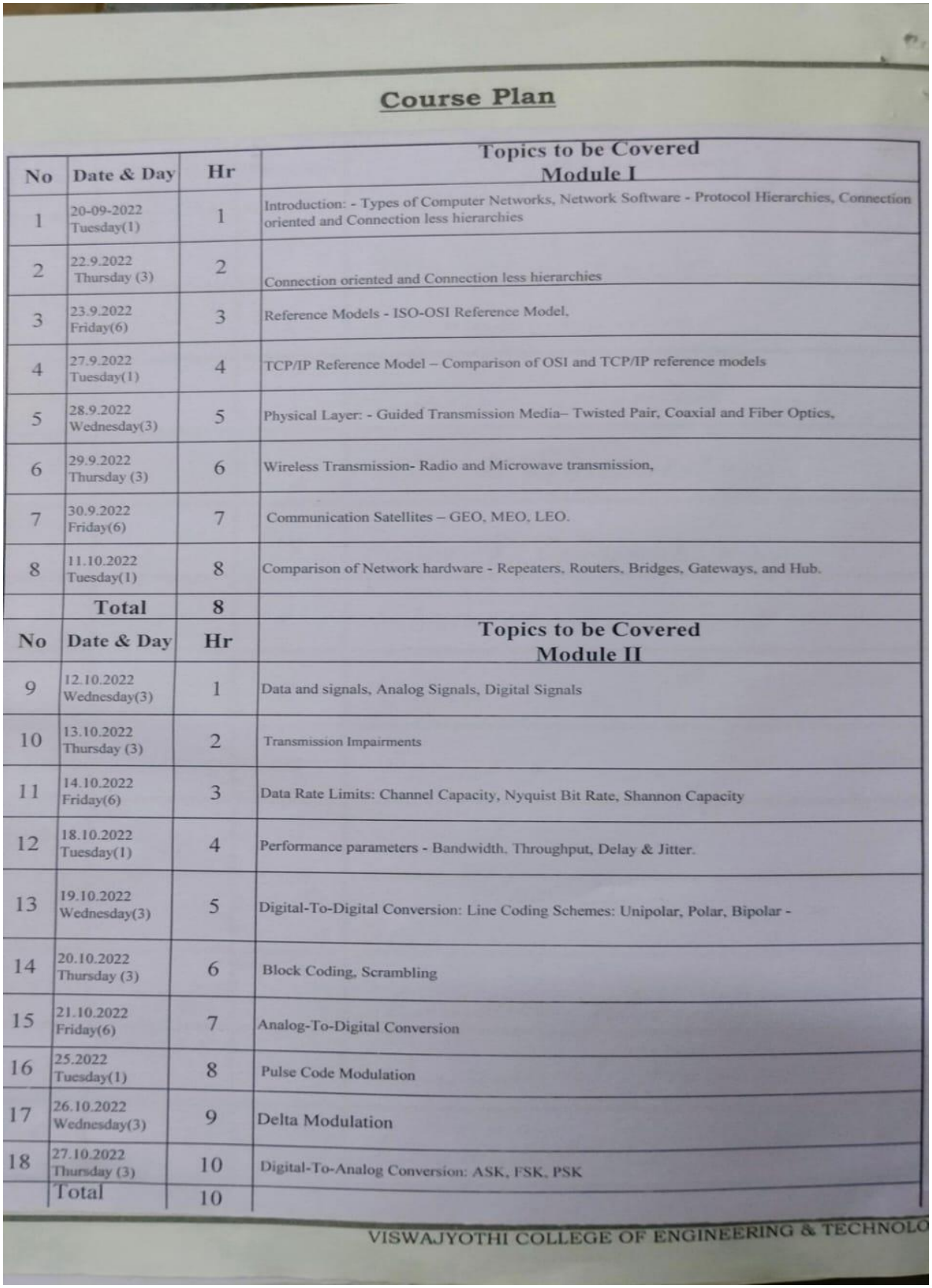
COURSE DIARY
LABORATORY / PRACTICAL / WORKSHOP

Year : 20.22..... - 20.23.....

SEM : ODD / ~~EVEN~~

ITL411 DATA ANALYTICS ..... **LABORATORY/WORKSHOP**

Subject	:	ITL411 DATA ANALYTICS LAB
Class & Branch	:	S7, IT
Faculty	:	Ms. JOSNA JOSE
Date of Commencement	:	20/09/2022



Course Plan

No	Date & Day	Hr	Topics to be Covered Module I
1	20-09-2022 Tuesday(1)	1	Introduction: - Types of Computer Networks, Network Software - Protocol Hierarchies, Connection oriented and Connection less hierarchies
2	22.9.2022 Thursday (3)	2	Connection oriented and Connection less hierarchies
3	23.9.2022 Friday(6)	3	Reference Models - ISO-OSI Reference Model,
4	27.9.2022 Tuesday(1)	4	TCP/IP Reference Model – Comparison of OSI and TCP/IP reference models
5	28.9.2022 Wednesday(3)	5	Physical Layer: - Guided Transmission Media– Twisted Pair, Coaxial and Fiber Optics,
6	29.9.2022 Thursday (3)	6	Wireless Transmission- Radio and Microwave transmission,
7	30.9.2022 Friday(6)	7	Communication Satellites – GEO, MEO, LEO.
8	11.10.2022 Tuesday(1)	8	Comparison of Network hardware - Repeaters, Routers, Bridges, Gateways, and Hub.
	Total	**8**	
No	**Date & Day**	**Hr**	**Topics to be Covered Module II**
9	12.10.2022 Wednesday(3)	1	Data and signals, Analog Signals, Digital Signals
10	13.10.2022 Thursday (3)	2	Transmission Impairments
11	14.10.2022 Friday(6)	3	Data Rate Limits: Channel Capacity, Nyquist Bit Rate, Shannon Capacity
12	18.10.2022 Tuesday(1)	4	Performance parameters - Bandwidth, Throughput, Delay & Jitter.
13	19.10.2022 Wednesday(3)	5	Digital-To-Digital Conversion: Line Coding Schemes: Unipolar, Polar, Bipolar -
14	20.10.2022 Thursday (3)	6	Block Coding, Scrambling
15	21.10.2022 Friday(6)	7	Analog-To-Digital Conversion
16	25.2022 Tuesday(1)	8	Pulse Code Modulation
17	26.10.2022 Wednesday(3)	9	Delta Modulation
18	27.10.2022 Thursday (3)	10	Digital-To-Analog Conversion: ASK, FSK, PSK
	Total	10	

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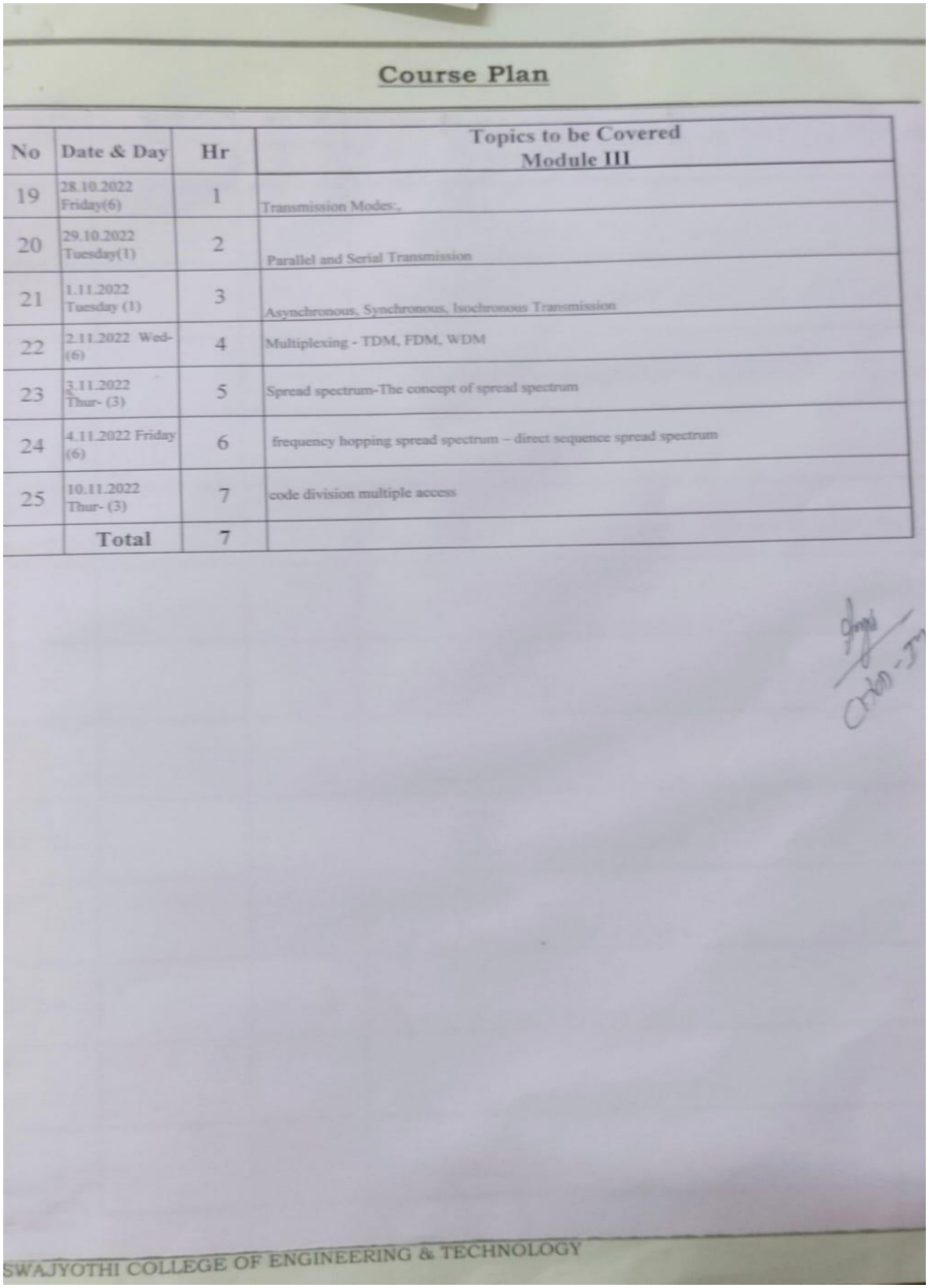

Course Plan

No	Date & Day	Hr	Topics to be Covered Module III
19	28.10.2022 Friday(6)	1	Transmission Modes:,
20	29.10.2022 Tuesday(1)	2	Parallel and Serial Transmission
21	1.11.2022 Tuesday (1)	3	Asynchronous, Synchronous, Isochronous Transmission
22	2.11.2022 Wed-(6)	4	Multiplexing - TDM, FDM, WDM
23	3.11.2022 Thur- (3)	5	Spread spectrum-The concept of spread spectrum
24	4.11.2022 Friday (6)	6	frequency hopping spread spectrum – direct sequence spread spectrum
25	10.11.2022 Thur- (3)	7	code division multiple access
	Total	7	

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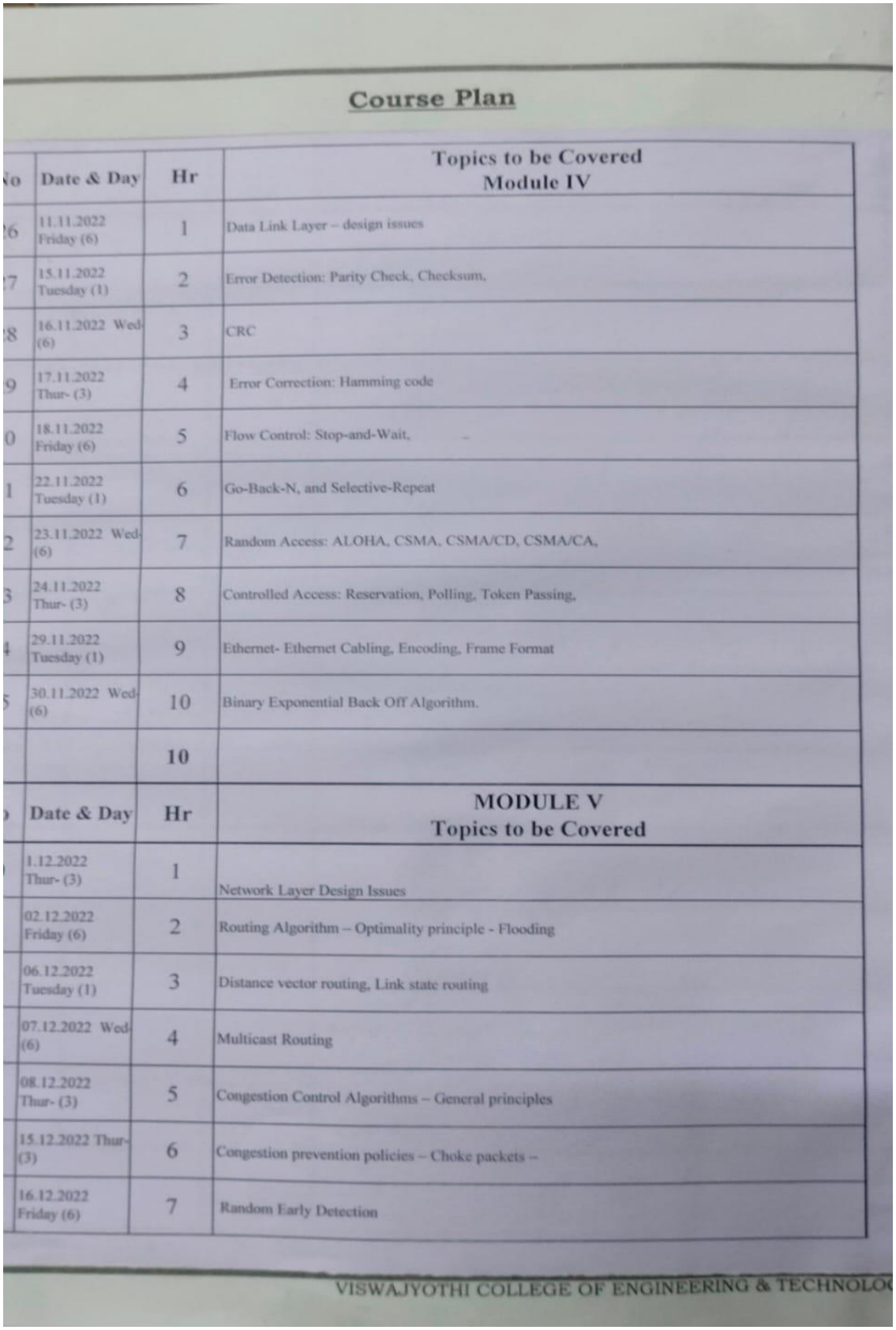

Course Plan

No	Date & Day	Hr	Topics to be Covered Module IV
26	11.11.2022 Friday (6)	1	Data Link Layer – design issues
27	15.11.2022 Tuesday (1)	2	Error Detection: Parity Check, Checksum,
28	16.11.2022 Wed- (6)	3	CRC
29	17.11.2022 Thur- (3)	4	Error Correction: Hamming code
30	18.11.2022 Friday (6)	5	Flow Control: Stop-and-Wait,
31	22.11.2022 Tuesday (1)	6	Go-Back-N, and Selective-Repeat
32	23.11.2022 Wed- (6)	7	Random Access: ALOHA, CSMA, CSMA/CD, CSMA/CA,
33	24.11.2022 Thur- (3)	8	Controlled Access: Reservation, Polling, Token Passing,
34	29.11.2022 Tuesday (1)	9	Ethernet- Ethernet Cabling, Encoding, Frame Format
35	30.11.2022 Wed- (6)	10	Binary Exponential Back Off Algorithm.
		10	
	Date & Day	Hr	MODULE V Topics to be Covered
	1.12.2022 Thur- (3)	1	Network Layer Design Issues
	02.12.2022 Friday (6)	2	Routing Algorithm – Optimality principle - Flooding
	06.12.2022 Tuesday (1)	3	Distance vector routing, Link state routing
	07.12.2022 Wed- (6)	4	Multicast Routing
	08.12.2022 Thur- (3)	5	Congestion Control Algorithms – General principles
	15.12.2022 Thur- (3)	6	Congestion prevention policies – Choke packets –
	16.12.2022 Friday (6)	7	Random Early Detection

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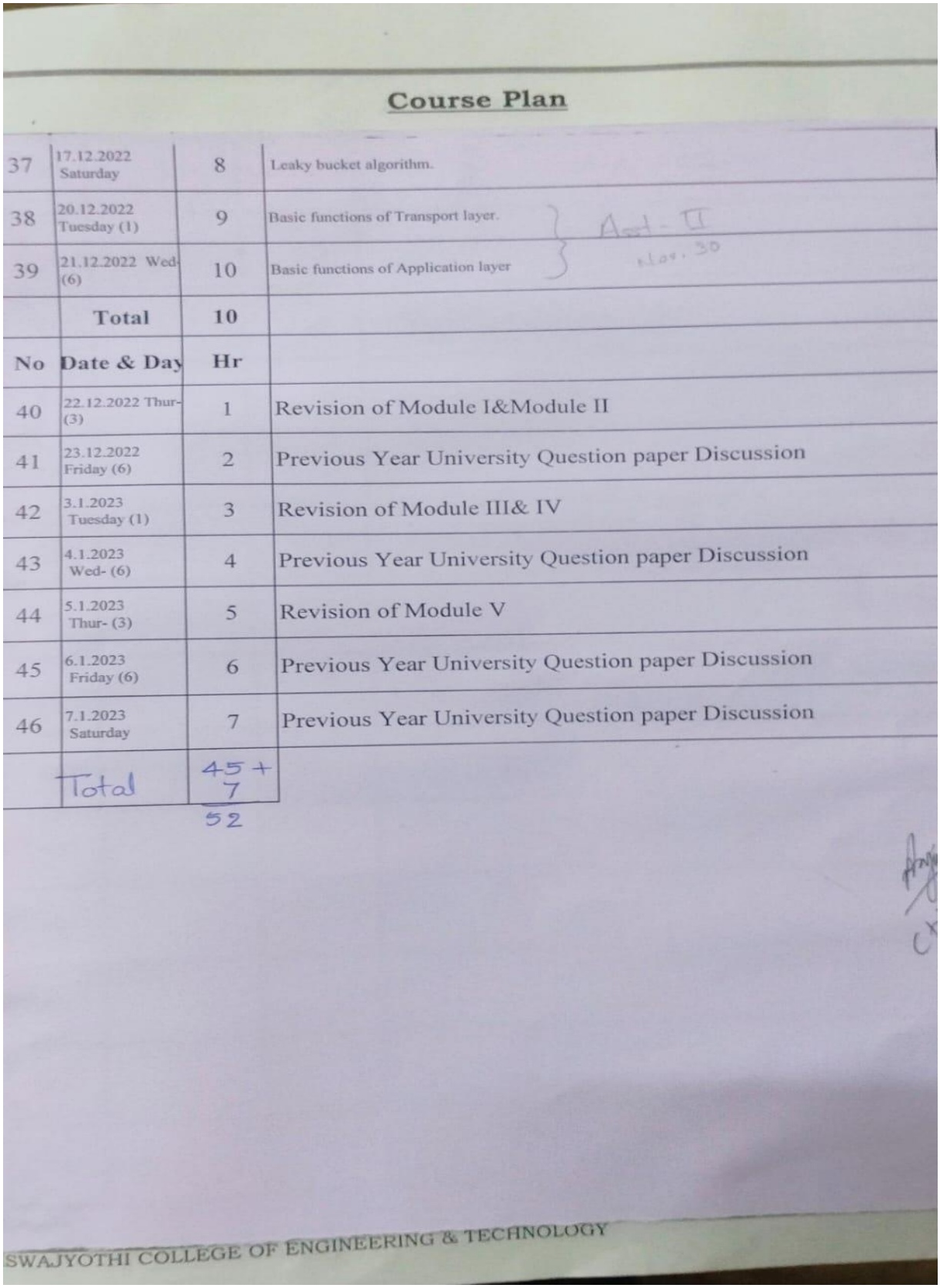

Course Plan

37	17.12.2022 Saturday	8	Leaky bucket algorithm.
38	20.12.2022 Tuesday (1)	9	Basic functions of Transport layer. } Asst - II
39	21.12.2022 Wed-(6)	10	Basic functions of Application layer } also. 30
	Total	**10**	
No	**Date & Day**	**Hr**	
40	22.12.2022 Thur-(3)	1	Revision of Module I&Module II
41	23.12.2022 Friday (6)	2	Previous Year University Question paper Discussion
42	3.1.2023 Tuesday (1)	3	Revision of Module III& IV
43	4.1.2023 Wed- (6)	4	Previous Year University Question paper Discussion
44	5.1.2023 Thur- (3)	5	Revision of Module V
45	6.1.2023 Friday (6)	6	Previous Year University Question paper Discussion
46	7.1.2023 Saturday	7	Previous Year University Question paper Discussion
	Total	45 + 7 = 52	

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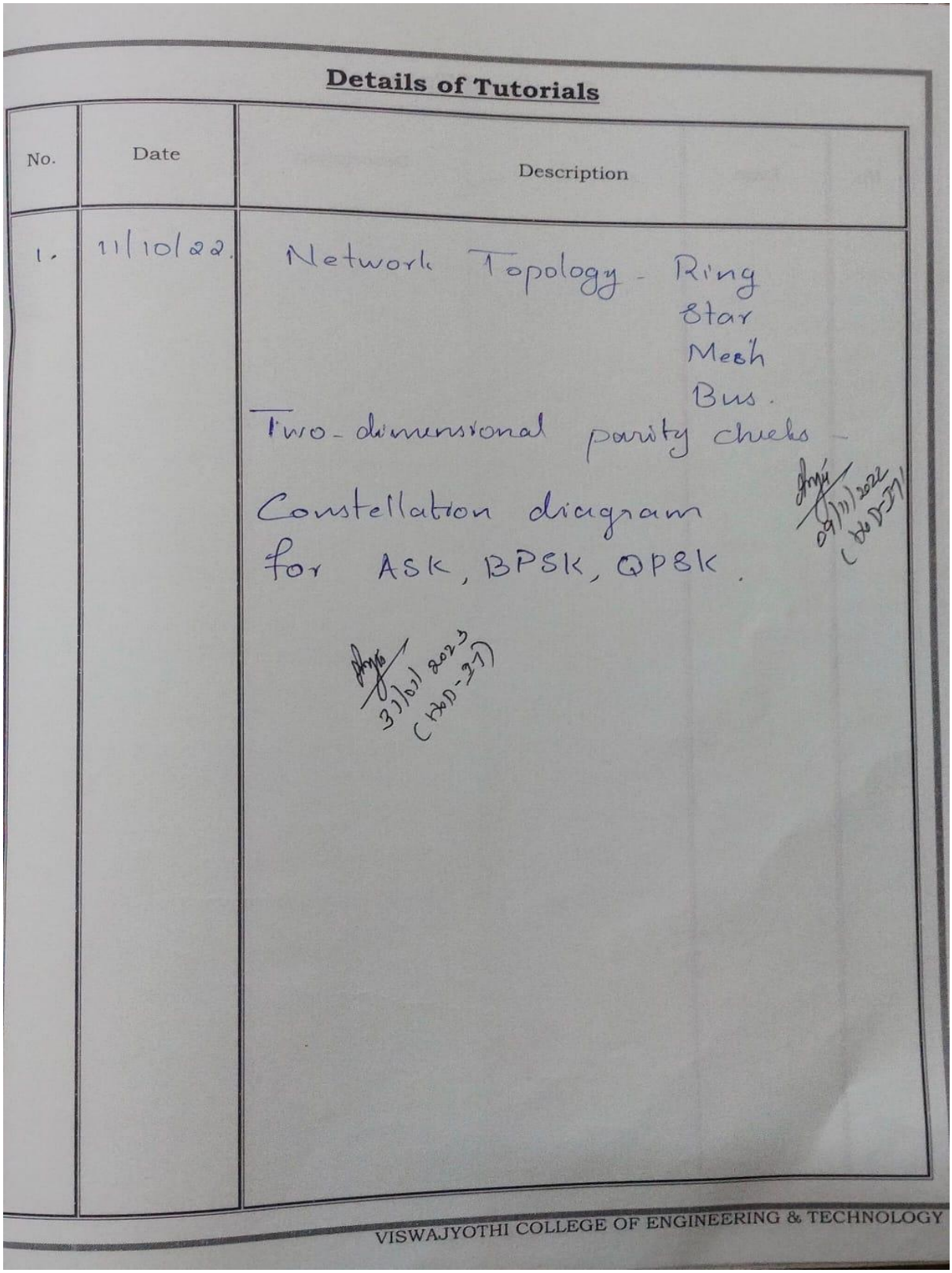

Details of Tutorials

No.	Date	Description
1.	11/10/22.	Network Topology - Ring Star Mesh Bus. Two-dimensional parity checks - Constellation diagram for ASK, BPSK, QPSK.

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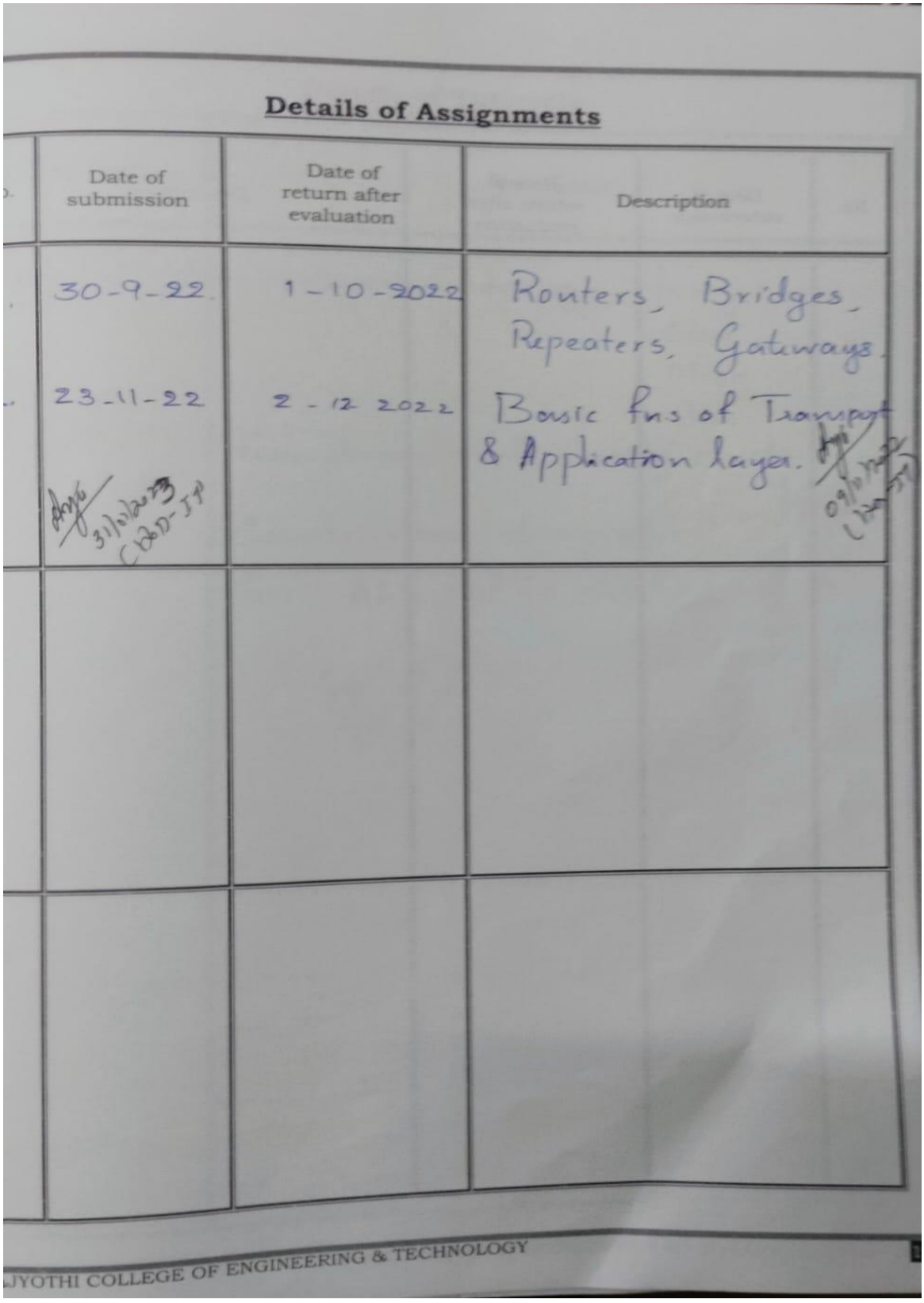

Details of Assignments

	Date of submission	Date of return after evaluation	Description
	30-9-22	1-10-2022	Routers, Bridges, Repeaters, Gateways.
	23-11-22	2-12-2022	Basic fns of Transport & Application layer.

JYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY

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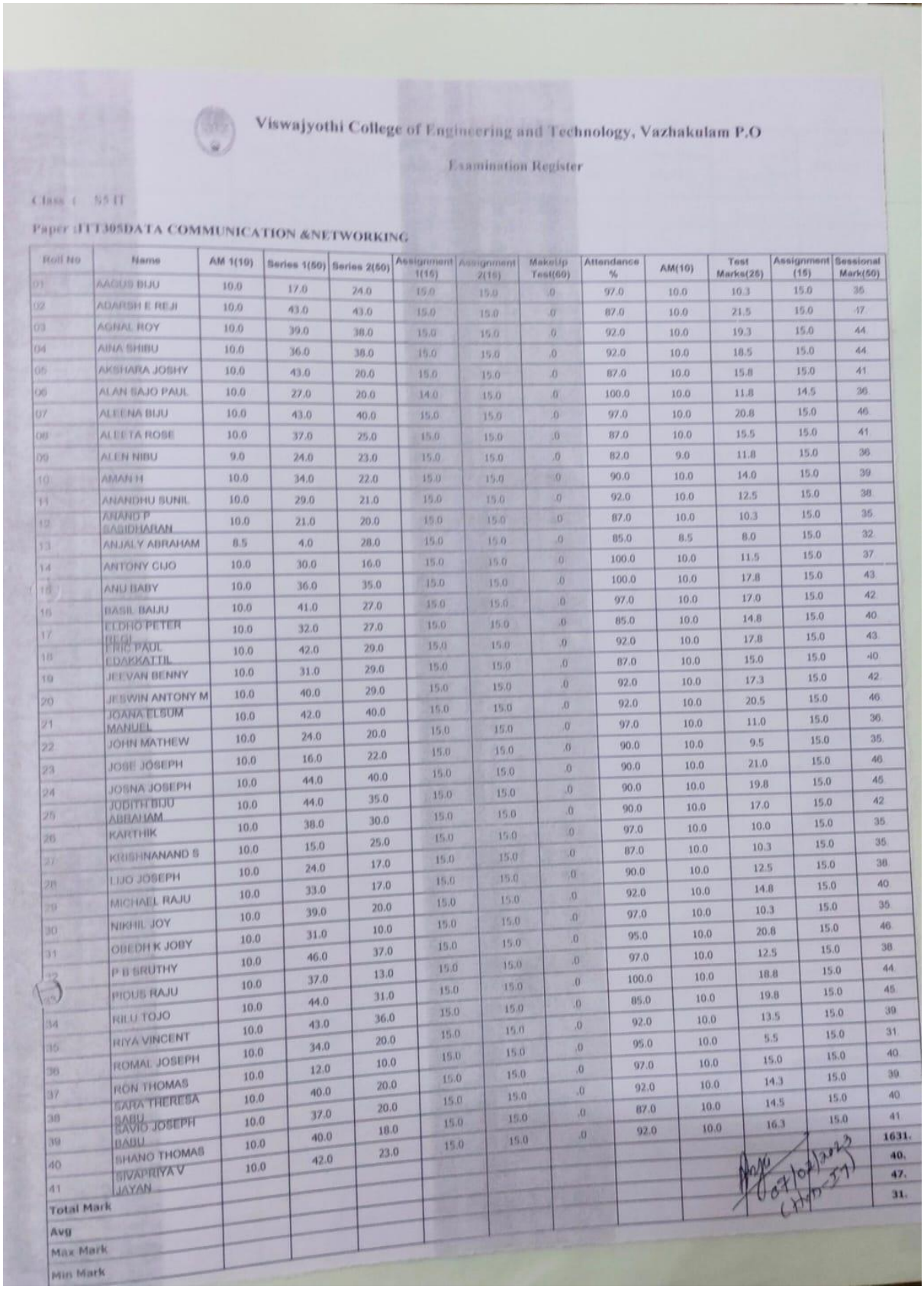


Viswajyothi College of Engineering and Technology, Vazhakulam P.O

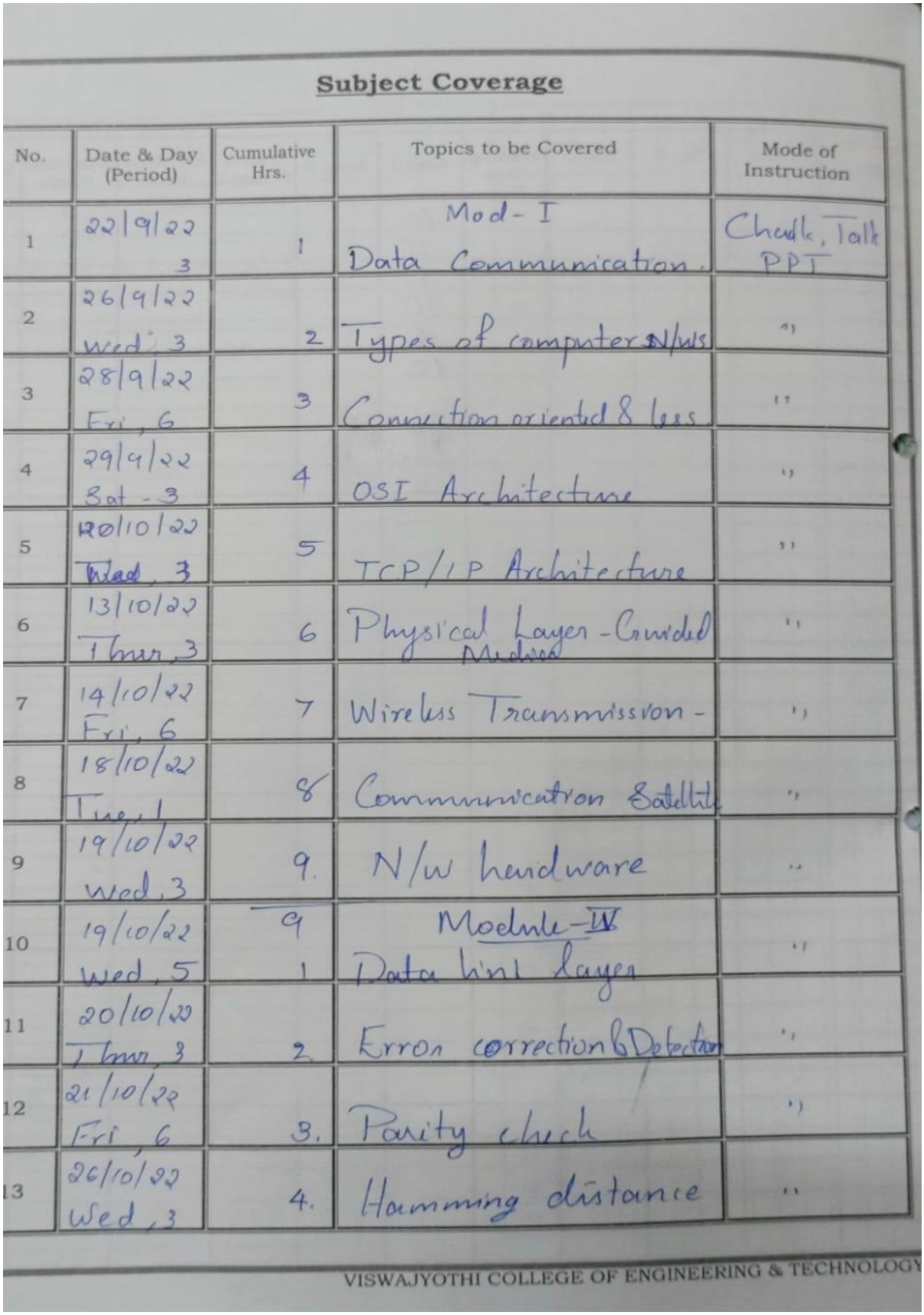
Examination Register

Class : S5 IT

Paper :ITT305DATA COMMUNICATION &NETWORKING

Roll No	Name	AM 1(10)	Series 1(50)	Series 2(50)	Assignment 1(15)	Assignment 2(15)	Makeup Test(60)	Attendance %	AM(10)	Test Marks(25)	Assignment (15)	Sessional Mark(50)
01	AAGUS BIJU	10.0	17.0	24.0	15.0	15.0	.0	97.0	10.0	10.3	15.0	35.
02	ADARSH E REJI	10.0	43.0	43.0	15.0	15.0	.0	87.0	10.0	21.5	15.0	47.
03	AGNAL ROY	10.0	39.0	38.0	15.0	15.0	.0	92.0	10.0	19.3	15.0	44.
04	AINA SHIBU	10.0	36.0	38.0	15.0	15.0	.0	92.0	10.0	18.5	15.0	44.
05	AKSHARA JOSHY	10.0	43.0	20.0	15.0	15.0	.0	87.0	10.0	15.8	15.0	41.
06	ALAN SAJO PAUL	10.0	27.0	20.0	14.0	15.0	.0	100.0	10.0	11.8	14.5	36.
07	ALEENA BIJU	10.0	43.0	40.0	15.0	15.0	.0	97.0	10.0	20.8	15.0	46.
08	ALEETA ROSE	10.0	37.0	25.0	15.0	15.0	.0	87.0	10.0	15.5	15.0	41.
09	ALEN NIBU	9.0	24.0	23.0	15.0	15.0	.0	82.0	9.0	11.8	15.0	36.
10	AMAN H	10.0	34.0	22.0	15.0	15.0	.0	90.0	10.0	14.0	15.0	39.
11	ANANDHU SUNIL	10.0	29.0	21.0	15.0	15.0	.0	92.0	10.0	12.5	15.0	38.
12	ANAND P SABIDHARAN	10.0	21.0	20.0	15.0	15.0	.0	87.0	10.0	10.3	15.0	35.
13	ANJALY ABRAHAM	8.5	4.0	28.0	15.0	15.0	.0	85.0	8.5	8.0	15.0	32.
14	ANTONY CIJO	10.0	30.0	16.0	15.0	15.0	.0	100.0	10.0	11.5	15.0	37.
15	ANU BABY	10.0	36.0	35.0	15.0	15.0	.0	100.0	10.0	17.8	15.0	43.
16	BASIL BAIJU	10.0	41.0	27.0	15.0	15.0	.0	97.0	10.0	17.0	15.0	42.
17	ELDHO PETER REGI	10.0	32.0	27.0	15.0	15.0	.0	85.0	10.0	14.8	15.0	40.
18	ERIC PAUL EDAKKATTIL	10.0	42.0	29.0	15.0	15.0	.0	92.0	10.0	17.8	15.0	43.
19	JEEVAN BENNY	10.0	31.0	29.0	15.0	15.0	.0	87.0	10.0	15.0	15.0	40.
20	JESWIN ANTONY M	10.0	40.0	29.0	15.0	15.0	.0	92.0	10.0	17.3	15.0	42.
21	JOANA ELSUM MANUEL	10.0	42.0	40.0	15.0	15.0	.0	92.0	10.0	20.5	15.0	46.
22	JOHN MATHEW	10.0	24.0	20.0	15.0	15.0	.0	97.0	10.0	11.0	15.0	36.
23	JOSE JOSEPH	10.0	16.0	22.0	15.0	15.0	.0	90.0	10.0	9.5	15.0	35.
24	JOSNA JOSEPH	10.0	44.0	40.0	15.0	15.0	.0	90.0	10.0	21.0	15.0	46.
25	JUDITH BIJU ABRAHAM	10.0	44.0	35.0	15.0	15.0	.0	90.0	10.0	19.8	15.0	45.
26	KARTHIK	10.0	38.0	30.0	15.0	15.0	.0	90.0	10.0	17.0	15.0	42.
27	KRISHNANAND S	10.0	15.0	25.0	15.0	15.0	.0	97.0	10.0	10.0	15.0	35.
28	LIJO JOSEPH	10.0	24.0	17.0	15.0	15.0	.0	87.0	10.0	10.3	15.0	35.
29	MICHAEL RAJU	10.0	33.0	17.0	15.0	15.0	.0	90.0	10.0	12.5	15.0	38.
30	NIKHIL JOY	10.0	39.0	20.0	15.0	15.0	.0	92.0	10.0	14.8	15.0	40.
31	OBEDH K JOBY	10.0	31.0	10.0	15.0	15.0	.0	97.0	10.0	10.3	15.0	35.
32	P B SRUTHY	10.0	46.0	37.0	15.0	15.0	.0	95.0	10.0	20.8	15.0	46.
33	PIOUS RAJU	10.0	37.0	13.0	15.0	15.0	.0	97.0	10.0	12.5	15.0	38.
34	RILU TOJO	10.0	44.0	31.0	15.0	15.0	.0	100.0	10.0	18.8	15.0	44.
35	RIYA VINCENT	10.0	43.0	36.0	15.0	15.0	.0	85.0	10.0	19.8	15.0	45.
36	ROMAL JOSEPH	10.0	34.0	20.0	15.0	15.0	.0	92.0	10.0	13.5	15.0	39.
37	RON THOMAS	10.0	12.0	10.0	15.0	15.0	.0	95.0	10.0	5.5	15.0	31.
38	SARA THERESA SABU	10.0	40.0	20.0	15.0	15.0	.0	97.0	10.0	15.0	15.0	40.
39	SAVIO JOSEPH BABU	10.0	37.0	20.0	15.0	15.0	.0	92.0	10.0	14.3	15.0	39.
40	SHANO THOMAS	10.0	40.0	18.0	15.0	15.0	.0	87.0	10.0	14.5	15.0	40.
41	SIVAPRIYA V JAYAN	10.0	42.0	23.0	15.0	15.0	.0	92.0	10.0	16.3	15.0	41.
Total Mark												1631.
Avg												40.
Max Mark												47.
Min Mark												31.

07/02/2023 (HOD-IT)



Subject Coverage

No.	Date & Day (Period)	Cumulative Hrs.	Topics to be Covered	Mode of Instruction
1	22/9/22 3	1	Mod - I Data Communication.	Chalk, Talk PPT
2	26/9/22 Wed 3	2	Types of computer N/ws	"
3	28/9/22 Fri, 6	3	Connection oriented & less.	"
4	29/9/22 Sat - 3	4	OSI Architecture	"
5	20/10/22 Thad, 3	5	TCP/IP Architecture	"
6	13/10/22 Thur, 3	6	Physical Layer - Guided Medias	"
7	14/10/22 Fri, 6	7	Wireless Transmission -	"
8	18/10/22 Tue, 1	8	Communication Satellite	"
9	19/10/22 Wed, 3	9.	N/w hardware	"
10	19/10/22 Wed, 5	9 1	Module - IV Data link layer	"
11	20/10/22 Thur, 3	2	Error correction & Detection	"
12	21/10/22 Fri, 6	3.	Parity check	"
13	26/10/22 Wed, 3	4.	Hamming distance	"

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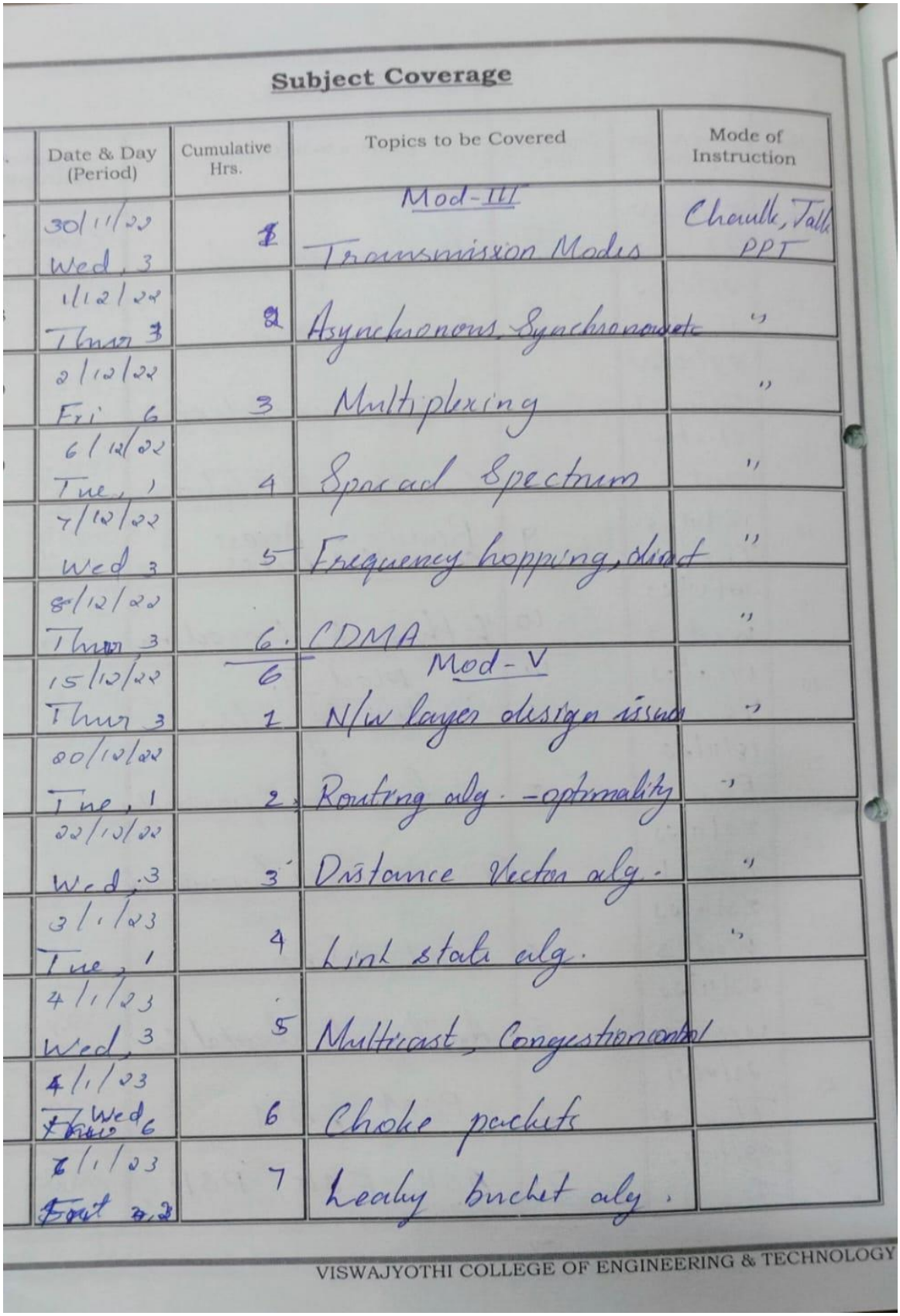

Subject Coverage

	Date & Day (Period)	Cumulative Hrs.	Topics to be Covered	Mode of Instruction
	30/11/22 Wed, 3	1	Mod-III Transmission Modes	Chalk, Talk PPT
	1/12/22 Thurs 3	2	Asynchronous, Synchronous etc	"
	2/12/22 Fri 6	3	Multiplexing	"
	6/12/22 Tue, 1	4	Spread Spectrum	"
	7/12/22 Wed 3	5	Frequency hopping, direct	"
	8/12/22 Thurs 3	6	CDMA	"
	15/12/22 Thurs 3	6 1	Mod-V N/w layer design issues	"
	20/12/22 Tue, 1	2	Routing alg. - optimality	"
	22/12/22 Wed, 3	3	Distance Vector alg.	"
	3/1/23 Tue, 1	4	Link state alg.	"
	4/1/23 Wed, 3	5	Multicast, Congestion control	
	4/1/23 ~~Thurs~~ Wed 6	6	Choke packets	
	6/1/23 ~~Fri~~ Fri 3	7	Leaky bucket alg.	

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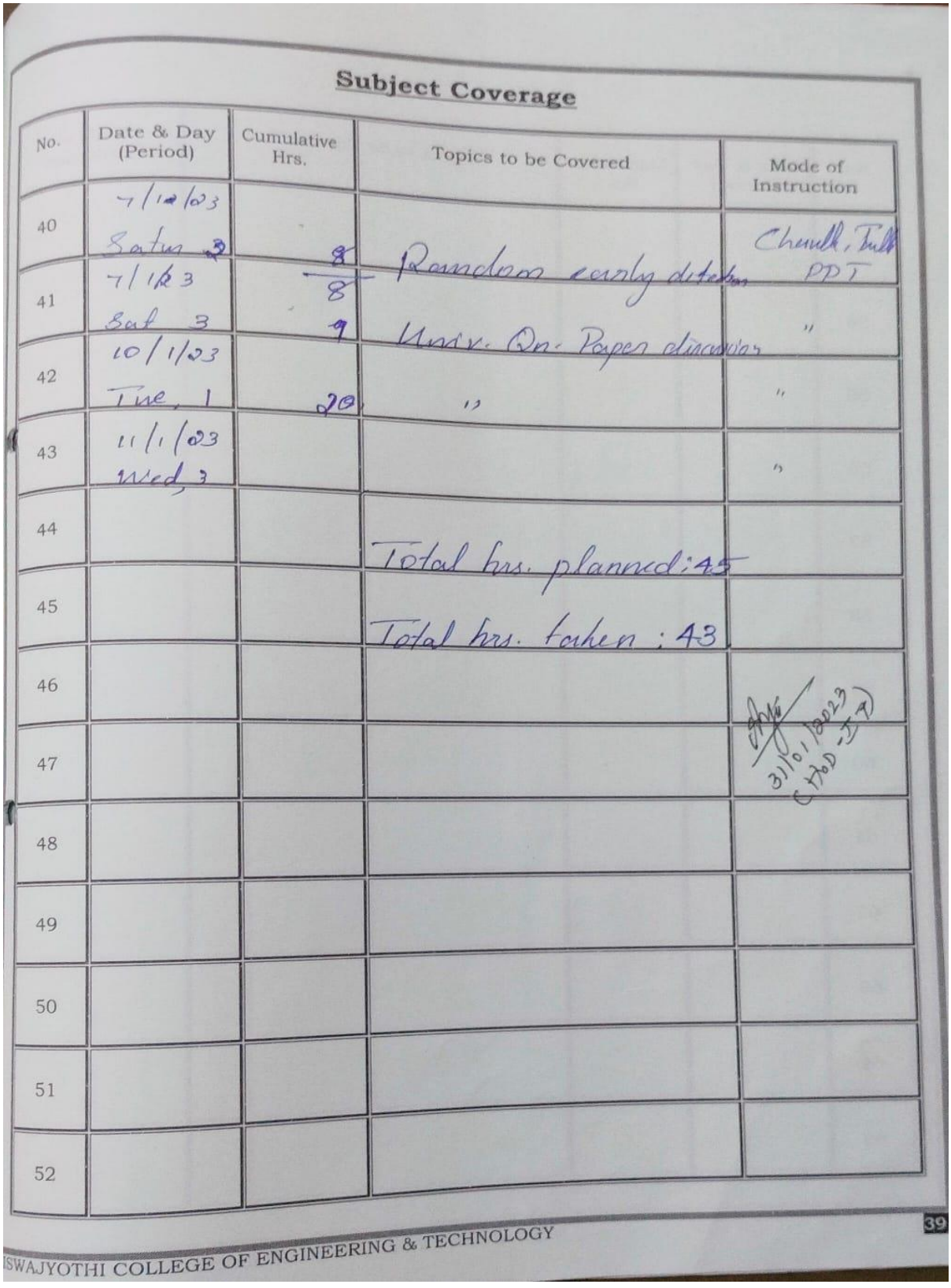

Subject Coverage

No.	Date & Day (Period)	Cumulative Hrs.	Topics to be Covered	Mode of Instruction
40	7/12/23 Satur. 2	8	Random early detection	Chalk, Talk PPT
41	7/12/23 Sat 3	9	Univ. Qn. Paper discussion	"
42	10/1/23 Tue. 1	20	"	"
43	11/1/23 Wed, 3			"
44			Total hrs. planned: 45	
45			Total hrs. taken : 43	
46				
47				
48				
49				
50				
51				
52				

31/01/2023 (HOD)

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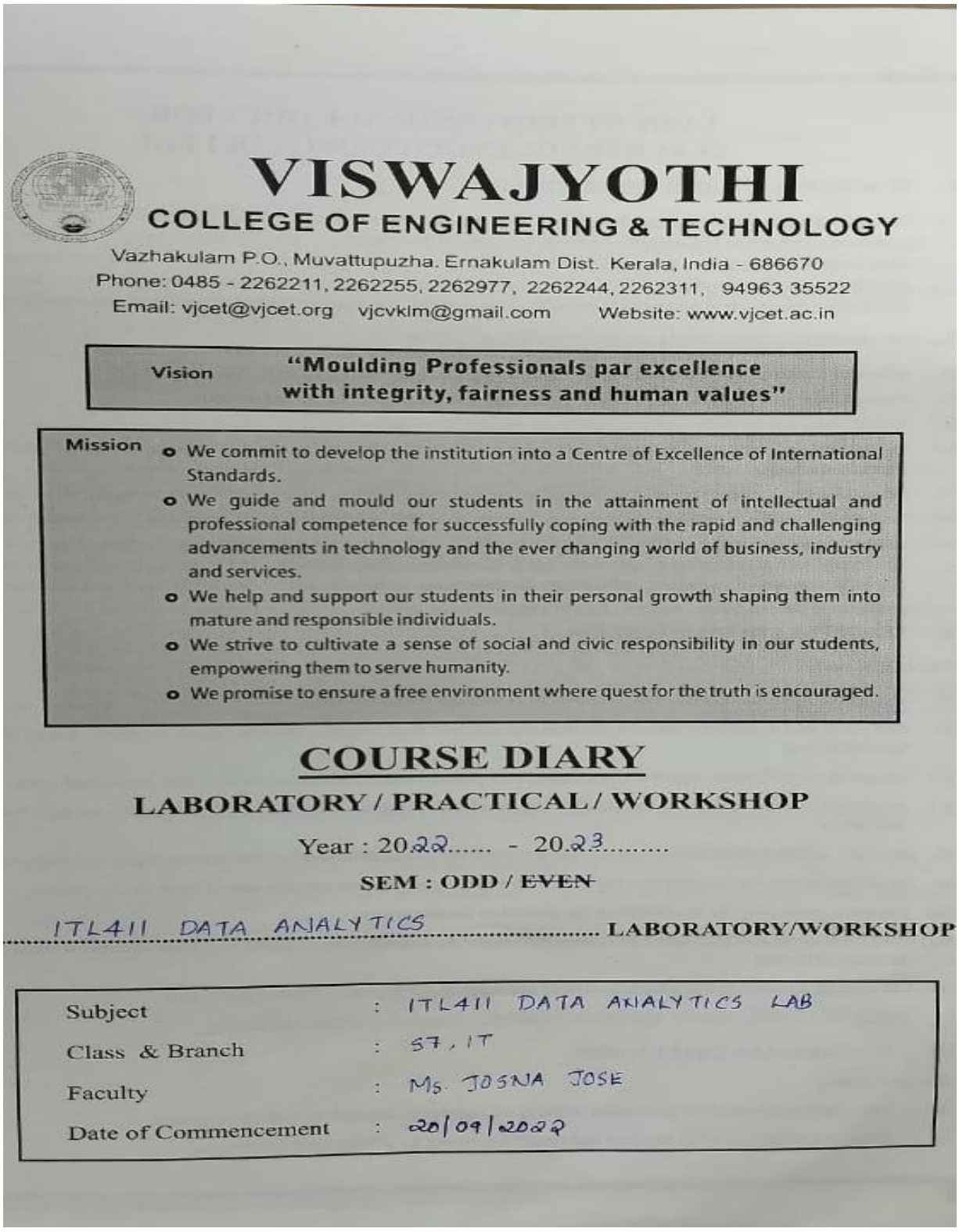

VISWAJYOTHI
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Vazhakulam P.O., Muvattupuzha. Ernakulam Dist. Kerala, India - 686670
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Email: vjcet@vjcet.org vjcvklm@gmail.com Website: www.vjcet.ac.in

Vision **"Moulding Professionals par excellence with integrity, fairness and human values"**

Mission

- We commit to develop the institution into a Centre of Excellence of International Standards.
- We guide and mould our students in the attainment of intellectual and professional competence for successfully coping with the rapid and challenging advancements in technology and the ever changing world of business, industry and services.
- We help and support our students in their personal growth shaping them into mature and responsible individuals.
- We strive to cultivate a sense of social and civic responsibility in our students, empowering them to serve humanity.
- We promise to ensure a free environment where quest for the truth is encouraged.

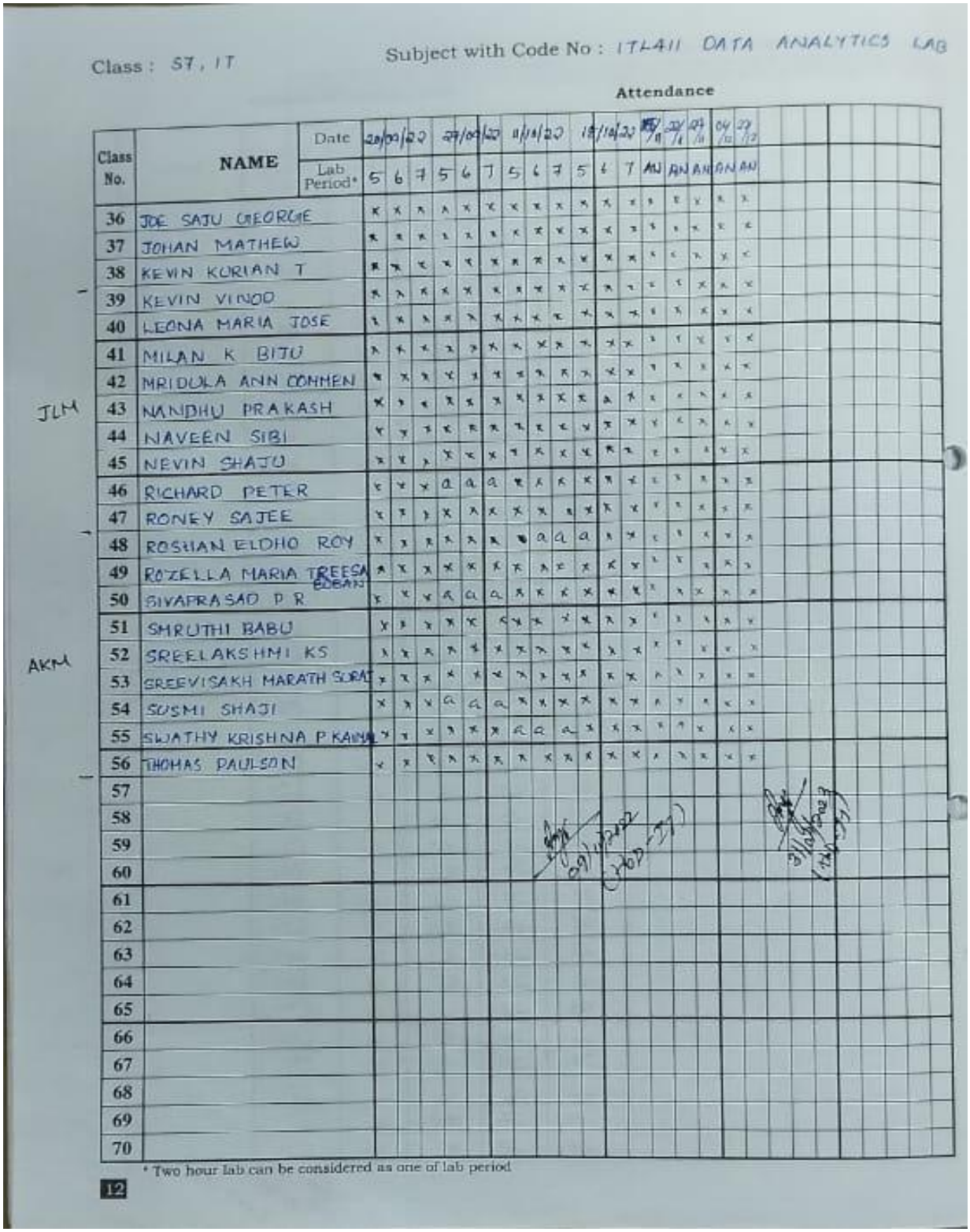
COURSE DIARY
LABORATORY / PRACTICAL / WORKSHOP

Year : 2022..... - 2023.....

SEM : ODD / ~~EVEN~~

ITL411 DATA ANALYTICS ..... **LABORATORY/WORKSHOP**

Subject	:	ITL411 DATA ANALYTICS LAB
Class & Branch	:	S7, IT
Faculty	:	Ms. JOSNA JOSE
Date of Commencement	:	20/09/2022



Class : S7, IT

Subject with Code No : ITL411 DATA ANALYTICS LAB

Attendance

Class No.	NAME	Date	29/09/22	27/09/22	11/10/22	18/10/22	25/10	27/10	04/11	22/11
		Lab Period*	5 6 7	5 6	7 5 6	7 5 6	7	AN	AN	AN	AN	AN
36	JOE SAJU GEORGE											
37	JOHAN MATHEW											
38	KEVIN KURIAN T											
39	KEVIN VINOD											
40	LEONA MARIA JOSE											
41	MILAN K BIJU											
42	MRIDULA ANN CONMEN											
43	NANDHU PRAKASH	JLM										
44	NAVEEN SIBI											
45	NEVIN SHAJU											
46	RICHARD PETER											
47	RONEY SAJEE											
48	ROSHAN ELOHO ROY											
49	ROZELLA MARIA TREESA EDGAR											
50	SIVAPRASAD P R											
51	SHRUTHI BABU											
52	SREELAKSHMI KS	AKM										
53	SREEVISAKH MARATH SURAJ											
54	SUSMI SHAJI											
55	SWATHY KRISHNA P KAIMAL											
56	THOMAS PAULSON											
57												
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68												
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70												

* Two hour lab can be considered as one of lab period

12

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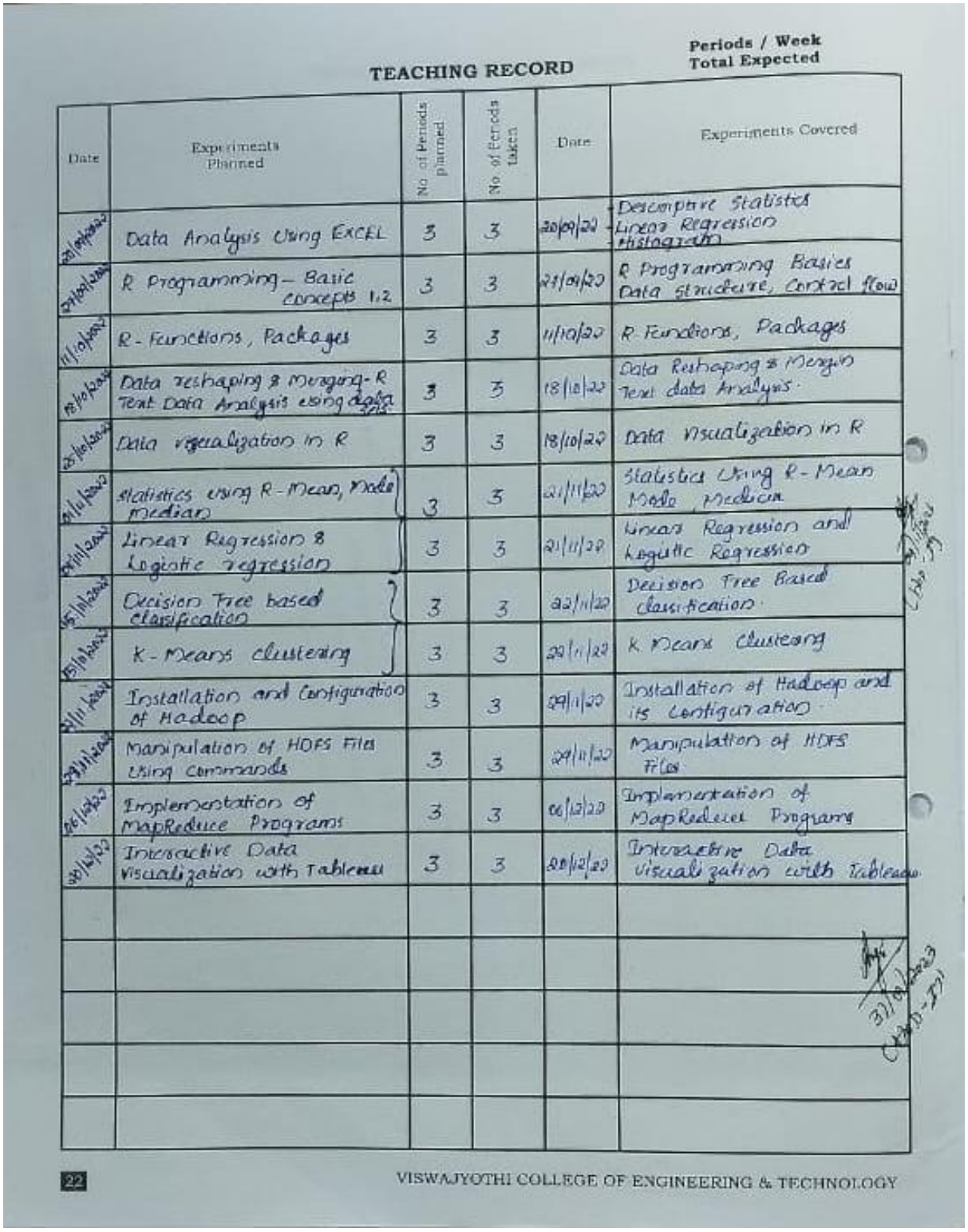
VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM
DEPARTMENT OF INFORMATION TECHNOLOGY
DAILY EVALUATION SHEET

Daily Experiment Performance Evaluation

Roll No.	Name	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	DAILY EVALUATION (20)
29	EMNA TERESA JOSEPH	21	21	23	24	22	26	23	20	24	23
30	IVNE JAIMON	27	28	28	27	28	30	28	30	28	28
31	JAFRETTA JAMES	24	25	22	28	29	28	27	25	26	26
32	JERIL JOSE	29	30	27	25	26	28	27	25	26	27
33	JESSON JOSE	24	25	22	28	29	28	27	25	26	26
34	JIBIN BENNY	20	20	26	24	17	21	28	25	26	24
35	JOBIN P JOSEPH	29	28	28	27	28	29	27	29	28	28
36	JOE SAJU GEORGE	26	28	28	30	28	29	27	29	28	28
37	JOHAN MATHEW	19	23	18	22	23	21	22	21	20	21
38	KEVIN KURIAN T	24	25	22	29	29	28	27	26	26	26
39	KEVIN VINOD	27	28	26	29	28	30	26	27	28	27
40	LEONA MARIA JOSE	27	25	28	28	29	28	27	30	30	28
41	MILAN K BIJU	23	24	26	29	25	21	24	24	24	25
42	MRIDULA ANN COMMEN	25	27	30	30	25	30	15	30	21	24
43	NANDHU PRAKASH	28	29	22	26	27	28	25	29	29	27
44	NAVEEN SIBI	18	20	26	24	25	20	24	23	26	23
45	NEVIN SHAJU	25	28	28	27	28	30	28	28	28	27
46	RICHARD PETER	15	29	18	29	30	15	28	25	20	23
47	RONEY SAJEE	29	28	27	26	26	27	27	27	26	27
48	ROSHAN FLOHO ROY	22	26	25	26	26	28	27	23	25	25
49	ROZELLA MARIA TREESA BOBAN	28	29	27	28	29	28	27	29	29	28
50	SIVAPRASAD P R	19	23	26	22	19	22	27	26	26	27
51	SMRUTHI BABU	27	29	22	24	26	28	25	27	27	26
52	SREELAKSHMI K S	30	29	28	28	29	28	29	30	30	29
53	SREEVISAKH MARATH SURAJ	20	23	22	25	28	26	25	26	28	25
54	SUSMI SHAJI	27	29	22	24	26	23	25	27	26	26
55	SWATHY KRISHNA P. KAIMAL	24	25	22	28	29	28	27	25	26	26
56	THOMAS PAULSON	24	25	22	28	29	28	27	25	26	26



TEACHING RECORD

Periods / Week
Total Expected

Date	Experiments Planned	No. of Periods planned	No. of Periods taken	Date	Experiments Covered
20/09/2022	Data Analysis Using EXCEL	3	3	20/09/22	Descriptive Statistics Linear Regression Histogram
27/09/2022	R Programming – Basic concepts 1,2	3	3	27/09/22	R Programming Basics Data structure, Control flow
11/10/2022	R - Functions, Packages	3	3	11/10/22	R Functions, Packages
18/10/2022	Data reshaping & Merging - R Text Data Analysis using data	3	3	18/10/22	Data Reshaping & Merging Text data Analysis.
25/10/2022	Data visualization in R	3	3	18/10/22	Data Visualization in R
01/11/2022	Statistics using R - Mean, Mode Median	3	3	21/11/22	Statistics Using R - Mean Mode, Median
08/11/2022	Linear Regression & Logistic regression	3	3	21/11/22	Linear Regression and Logistic Regression
15/11/2022	Decision Tree based classification	3	3	22/11/22	Decision Tree Based classification.
22/11/2022	K - Means clustering	3	3	22/11/22	K Means Clustering
29/11/2022	Installation and Configuration of Hadoop	3	3	29/11/22	Installation of Hadoop and its Configuration.
29/11/2022	Manipulation of HDFS File Using Commands	3	3	29/11/22	Manipulation of HDFS Files
06/12/2022	Implementation of MapReduce Programs	3	3	06/12/22	Implementation of MapReduce Programs
20/12/22	Interactive Data Visualization with Tableau	3	3	20/12/22	Interactive Data visualization with Tableau.

22 VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY