



NPR College of Engineering & Technology

NPR Nagar, Natham, Dindigul - 624401, Tamil Nadu, India.
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Phone No: 04544- 246 500, 246501, 246502.
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CRITERION-2 TEACHING-LEARNING AND EVALUATION

KEY INDICATOR 2.5- EVALUATION PROCESS AND REFORMS

Metric No 2.5.2 Mechanism of Internal Assessment Is Transparent and Robust in Terms of Frequency and Variety

S.No.	Content	Page No.
STUDENT GRIEVANCES		
1	Answer Sheet Verified by Student	03
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5	Evaluation Process of University- Students registration form	39
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8	Mark sheet name correction	51




PRINCIPAL
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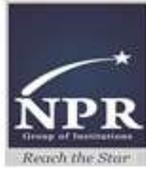
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STUDENTS GRIEVANCES



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ANSWER SHEET VERIFIED BY STUDENT

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INTERNAL TEST - I /

- a) Register Number :

9	2	0	8	1	7	1	0	4	0	0	9
---	---	---	---	---	---	---	---	---	---	---	---
- b) Year & Department : II & CSE
- c) Subject code & Title : CS8591 - COMPUTER NETWORKS
- d) Date & Session (FN/AN) : 05-08-2019 & FN
- e) Number of pages used : 10

P. [Signature] [P. DEEPAN]
Name and Signature of the Hall Superintendent with Date

Students has to put a tick (✓) mark for the questions attended in tick mark column

PART-A			
Question No.	✓	CO...1 Marks	CO...2 Marks
1.	✓	2	
2.	✓	2	
3.	✓		2
4.	✓		2
5.	✓		2
TOTAL		4	6
TOTAL MARKS		10	

Students has to put a tick (✓) mark for the questions attended in tick mark column

PART-B & C							
Question No.	(i)	i	i	(ii)	ii	ii	Total Marks
	✓	CO...1 Marks	CO...2 Marks	✓	CO...1 Marks	CO...2 Marks	
6.	✓		6		-	-	6
7.	a)	✓	14		-	-	14
	b)						
8.	a)	✓	14		-	-	14
	b)						
TOTAL		14	20		-	-	34

CO. No.	Total Marks	Attained Marks
CO...1	20	18
CO...2	30	26

Grand Total	44
	50

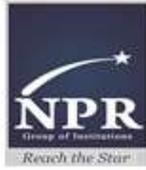
Verified
[Signature]

Name and Signature of the Faculty

[V. SUSHITHA, AP/CSE]

Name and Signature of the HoD

[J. VISWANATH, HOD-CSE]



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part : A :

1. LAN, MAN, WAN:

Local Area Network [LAN]	Metropolitan Area Network [MAN]	Wide Area Network. WAN.
USE: Building office, school, house.	USE: Multiple building, or in a city.	USE: Multiple city, country.
NETWORK RANGE: 10m - 1000m	NETWORK RANGE: 5km - 50km	NETWORK RANGE: 1000000 km.
EX: Ethernet, Wifi	EX: Ethernet, Wifi, [Cable TV network]	EX: Ethernet, Wifi, [Internet]

2. Transmission media: In data communication terminology, a transmission medium is a physical path between the transmitter and the receiver.

Types:

1. Guided media

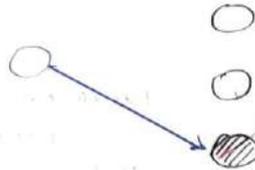


2. Unguided media → space.

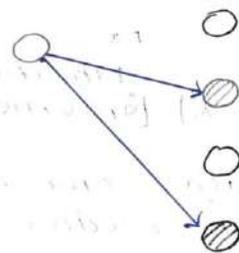
3. Latency: Latency is the amount of time it takes for data to travel from one point to another. It is dependant on the physical distance that data must travel through cords, networks and the like to reach its destination.

Bandwidth: Is the rate of data transfer for a fixed period of time.

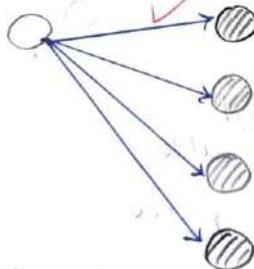
4. UNICAST ADDRESS: Has One sender and One receiver



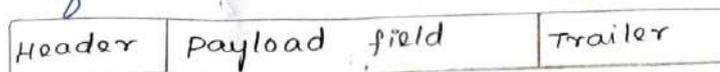
MULTICAST ADDRESS: One sender (potentially many senders), many receivers



BROADCAST ADDRESS: One sender, all the others as receivers.



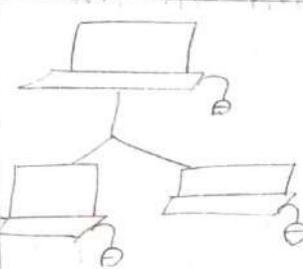
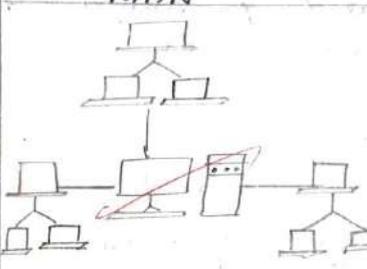
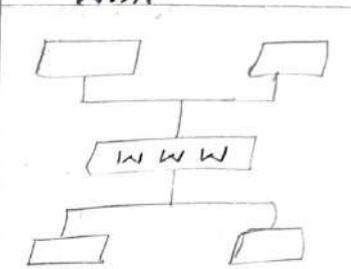
5. FRAMING: Framing is a point-to-point connection between two computers (or) devices consists of a wire in which data is transmitted as a stream of bits. However, these bits must be framed into discernible blocks of information. Framing is a function of the data link layer.



(2)

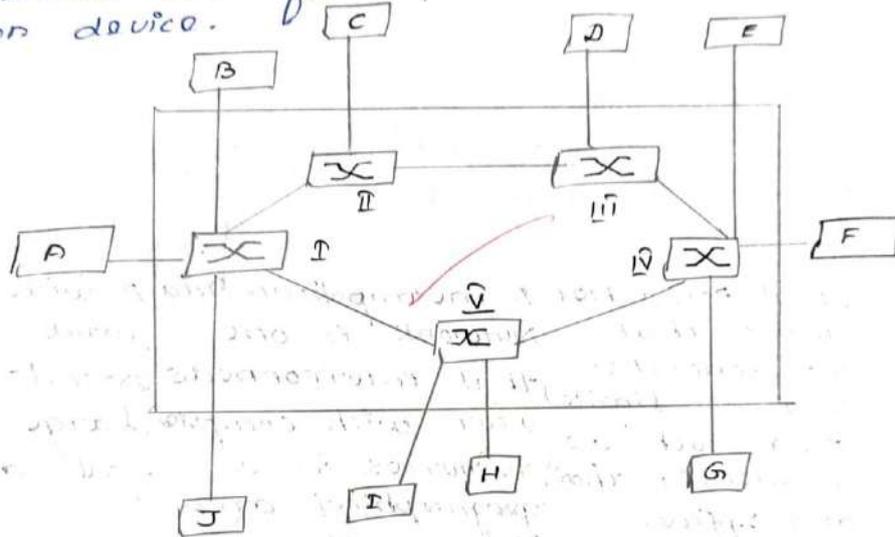
Part: B:

6. Network and its types: A network is one which is made up of connected devices and system

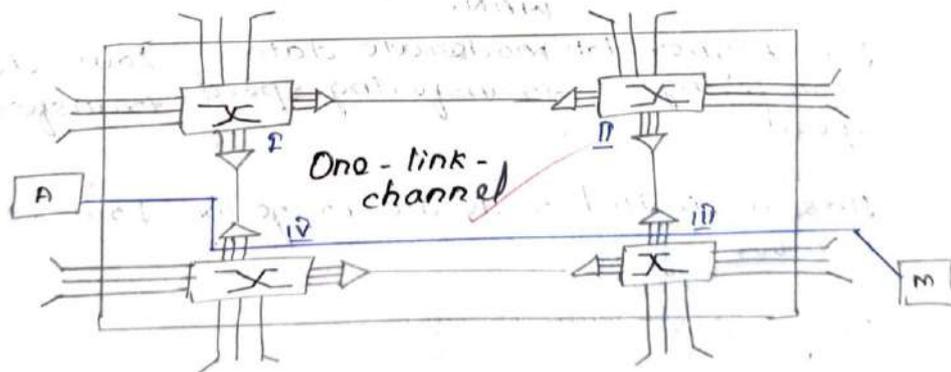
LAN	MAN	WAN
		
<p>Local Area Net-work that interconnects within a limited area such as residence, school, and office.</p>	<p>A metropolitan Area Network is one that interconnects user with computer resources in a geographical area larger than LAN but smaller than WAN.</p>	<p>A wide Area Net-work is one that extends over a large geographical area.</p>
<p>Has Higher data transferring speed</p>	<p>Moderate data transferring speed</p>	<p>Low data transferring speed</p>
<p>Has a limited number of user - less congestion</p>	<p>Moderate congestion</p>	<p>Low Congestion</p>
<p>Easier to design and maintain</p>	<p>Difficult and Complicated to design and maintain.</p>	<p>Difficult and Complicated to design and maintain</p>
<p>uses high bandwidth for data transfer</p>	<p>Has low bandwidth for data transfer.</p>	<p>Bandwidth is moderate for data transfer.</p>

Part : c:

7. Switching: A network switch is networking hardware that connects devices on a computer network by using packet switching to receive and forward data to the destination device.



(i) circuit switching:



* When (A) system has to communicate with end system (M), A has to send a request and if all the switch accepts then connection is established to M, then it is called as set up phase.

* It takes place in the physical layer. The resources must be reserved, then only communication takes place. Here, no addressing is involved.

* According to communication, it is divided into three phases:

1. Set-up-phase
2. Data-transfer phase
3. Connection-tear down.

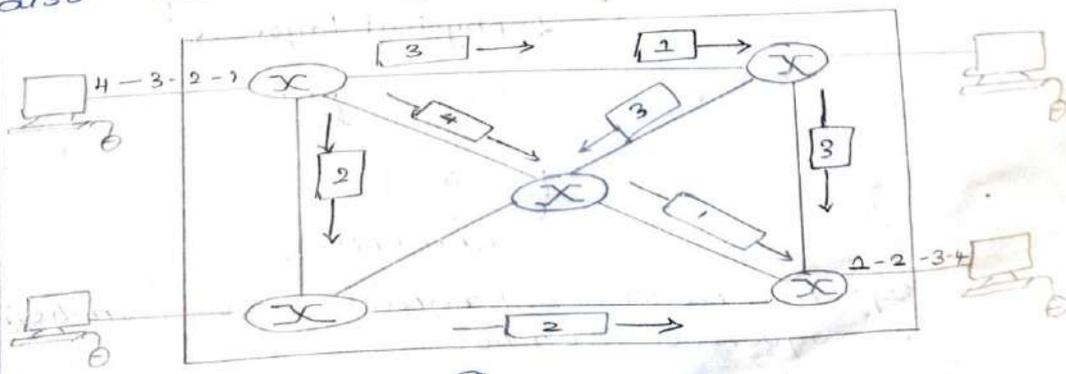
Data-transfer: Data-transferred from the request device to another when the request is accepted.

Tear-down-phase: Removing (or) clearing the established connection.

* Efficiency and Delay } are measured here.

ii) packet-switched network: Here no resource reservation. The resource is allocated based on FCFS, where the reservation is done on demand.

* Data-gram networks: It is done in a network layer where packets of a message is also called as datagram.



* Routing Table: To look after the connection (packets - sort-in-order) between the sender and the receiver, and to decide the destination address the routing table is used.

Efficiency: Delay will not be there

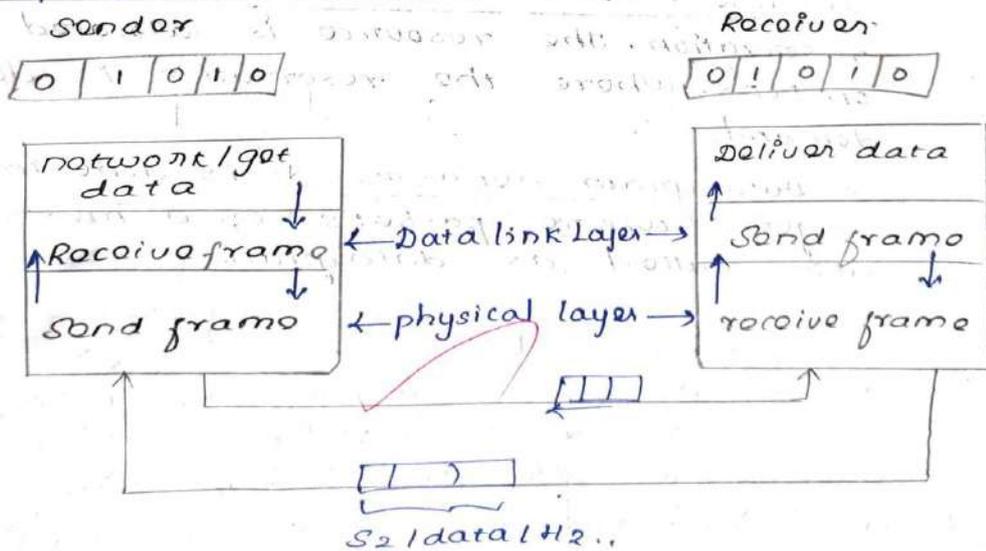
8. Data-link-Layer protocols: protocols is a set of rules that needs to be implemented in a software and run by 2 nodes and involved in data exchange at the data-link layer.

2 TYPES: NOISE-LESS CHANNEL - error free
NOISY CHANNEL - Error creating.

NOISY CHANNEL:

- 1, Stop and Wait ARQ.
- 2, GoBack NARQ.

Stop and Wait ARQ.



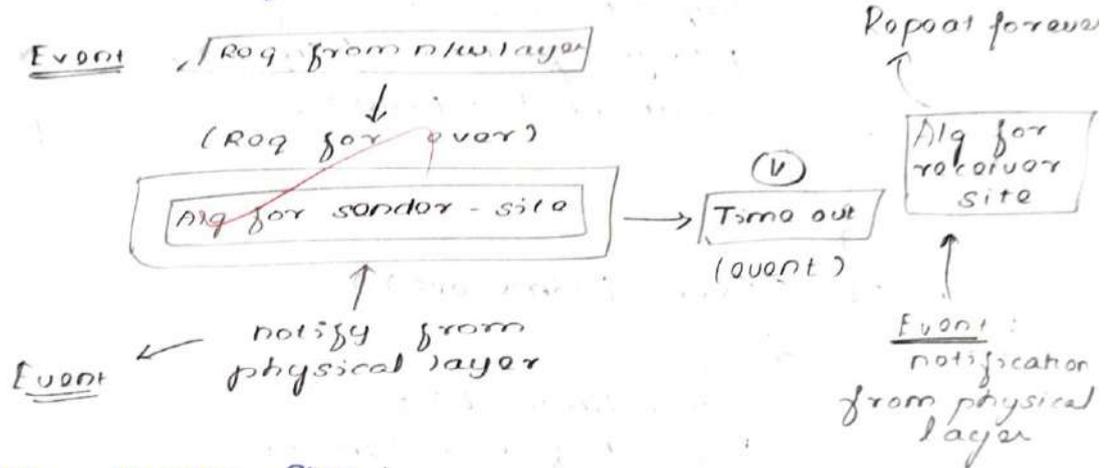
Sequence number: Frames are numbered using a sequence number

If the frame is a bit long, then frames goes to 0 to $2^m - 1$ (or) based to modulo 0 - 2 arithmetic [0, 1, 0, 1] are assigned to do from.

* Acknowledge number: The acknowledge number for the next frame should be received.

* Data frame → sequence number

* ACK frame → ACK number



Alg: Sender Site:

Sn = 0;

can send = true;

while (true)

{ wait for event ();

if (Event (request to send) AND can send)

{

Get data ();

Make frame (sn);

Store frame (sn);

Send frame (sn);

start timer ();

sn = sn + 1;



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```
can send = false;
wait_for_Event ();
if (Event (Arrival notification))
{
  Receive frame (ack no);
  if (not corrupted AND ack no = sn)
  {
    stop timer ();
    purge frame (sn-1);
    cansend = true;
  }
}
if (Event (Time out))
{
  start timer ();
  Resend frame (sn-1);
}
}
```

Receiver - Site:

```
Rn = 0;
while (true)
{
  wait_for_Event ();
  if (Event (Arrival Not))
  {
    Receive frame ();
    if (corrupted (frame))
      sleep ();
    if (seq no == Rn)
      Rn++;
  }
}
```



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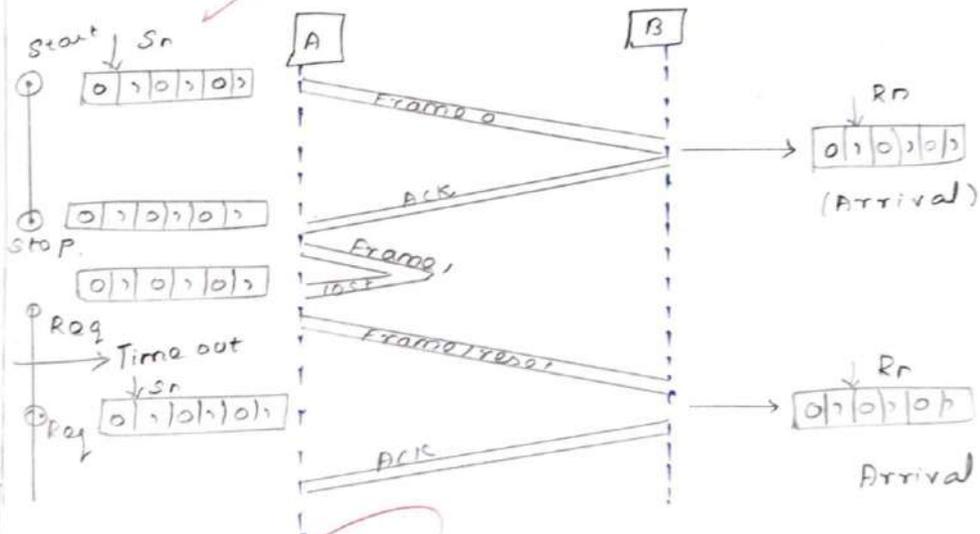
Extract data ();

Deliver data ();

$R_n = R_n + 1$;

Send Frame (Rn);

Flow Diagram



Go-back NARQ

13	14	15	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	0
Frames already acknowledged			Frames sent but, no ack arrived.						Frames that can be sent, but instr received by upper layer.						Frame that can't be sent.				



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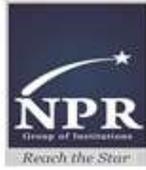


Go-back - N - automatic Repeat Request
(Go-back - N - ARQ), is a data-link layer
protocol that uses a sliding window me-
thod for reliable and sequential delivery
of data frames. It is a case of sliding
window protocol having to send window
size of N and receiving window size of:

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The sample of internal marks entered in Anna University web portal is attached below.
Department of Computer Science and Engineering

- Period 1 – Entry of Attended hours only
- Period 2 – Entry of internal marks (**IM1**)
- Period 3 – Entry of internal marks (**IM2**)
- Period 4 – Entry of internal marks (**MODEL**)



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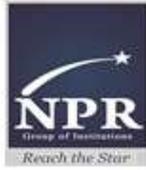
Assessment Details Entered

APRIL / MAY EXAMINATION,2020 - EXAMINATIONS

Inst Code & Name : 9208 - N P R COLLEGE OF ENGINEERING AND TECHNOLOGY

Branch Code / Name : 104 : B.E. Computer Science and Engineering University : AUC
Semester : 08

Register No.	Name of the Student	Subjects	Attend hr 1	Total hr 1	Attend hr 2	Total hr2	IM 2	Attend hr 3	Tot hr 3	IM 3	Attend hr 4	Total hr4	IM 4
920816104001	ABIRAMI M	CS6008	13	13	21	21	86	20	21	85	21	21	0
		CS6801	13	13	18	18	84	20	22	89	20	21	0
		CS6811									178	180	99
920816104002	ARUNA DEVI P	GE6075	9	9	18	18	80	14	14	85	22	22	0
		CS6008	13	13	14	21	90	20	21	99	21	21	0
		CS6801	12	13	11	18	84	19	22	99	21	21	0
920816104003	ASHWIN SARAVANAN RC	CS6811									180	180	98
		GE6075	5	9	11	18	82	14	14	96	21	22	0
		CS6008	5	13	12	21	24	16	21	60	21	21	0
920816104004	BALAJI J	CS6801	4	13	11	18	54	11	22	67	21	21	0
		CS6811									178	180	91
		GE6075	5	9	12	18	18	7	14	43	22	22	0
920816104004	BALAJI R M	CS6008	6	13	18	21	50	19	21	76	21	21	0
		CS6801	4	13	16	18	64	20	22	60	21	21	0
		CS6811									179	180	94
920816104005	CHARUMATHY B	GE6075	4	9	15	18	66	14	14	75	22	22	0
		CS6008	2	13	15	21	60	14	21	83	21	21	0
		CS6801	2	13	9	18	56	13	22	40	21	21	0
920816104006	DIVYA A	CS6811									180	180	91
		GE6075	2	9	9	18	50	8	14	53	22	22	0
		CS6008	8	13	10	21	68	15	21	76	21	21	0
920816104007	DURGAVEVI P	CS6801	8	13	9	18	78	15	22	69	21	21	0
		CS6811									180	180	97
		GE6075	6	9	9	18	66	7	14	75	22	22	0
920816104008	GOMATHI AKILA D	CS6008	12	13	18	21	82	20	21	92	21	21	0
		CS6801	11	13	15	18	56	18	22	89	21	21	0
		CS6811									180	180	99
920816104009	GURU PRASATH S	GE6075	6	9	13	18	82	14	14	88	22	22	0
		CS6008	10	13	15	21	92	20	21	89	20	21	0
		CS6801	10	13	15	18	76	21	22	89	21	21	0
920816104010	HARI VIGNESH S	CS6811									180	180	98
		GE6075	7	9	13	18	84	14	14	95	21	22	0
		CS6008	13	13	21	21	68	21	21	95	21	21	0
920816104011	ILAMATHI G	CS6801	13	13	18	18	86	20	22	96	21	21	0
		CS6811									180	180	98
		GE6075	9	9	12	18	70	14	14	97	22	22	0
920816104012	KANNAN B	CS6008	6	13	18	21	46	18	21	80	20	21	0
		CS6801	5	13	16	18	68	19	22	84	20	21	0
		CS6811									180	180	95
920816104013	KARTHICK RAJA T	GE6075	6	9	14	18	60	10	14	88	22	22	0
		CS6008	5	13	13	21	62	18	21	59	21	21	0
		CS6801	4	13	13	18	80	19	22	83	20	21	0
920816104014		CS6811									180	180	99
		GE6075	5	9	14	18	74	11	14	61	22	22	0
		CS6008	8	13	21	21	90	15	21	88	21	21	0
920816104015		CS6801	7	13	18	18	88	20	22	63	21	21	0
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920816104017		GE6075	5	9	12	18	50	12	14	48	22	22	0
		CS6008	8	13	17	21	32	16	21	51	21	21	0



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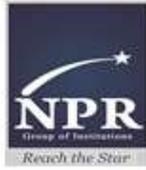
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Inst Code & Name : 9208 - N P R COLLEGE OF ENGINEERING AND TECHNOLOGY

	CS6801	7	13	17	18	26	19	22	39	21	21	0	
	CS6811									180	180	91	
	GE6075	6	9	17	18	34	11	14	35	22	22	0	
920816104016	KARTHIGA S	CS6008	8	13	21	21	62	17	21	77	20	21	0
	CS6801	8	13	18	18	58	20	22	53	21	21	0	
	CS6811									180	180	96	
	GE6075	7	9	18	18	80	14	14	89	22	22	0	
920816104017	KEERTHANA M	CS6008	9	13	19	21	84	21	21	99	21	21	0
	CS6801	6	13	16	18	78	20	22	95	20	21	0	
	CS6811									180	180	99	
	GE6075	6	9	18	18	80	14	14	96	21	22	0	
920816104018	MADHAN N	CS6008	3	13	15	21	52	15	21	57	21	21	0
	CS6801	3	13	12	18	66	14	22	56	21	21	0	
	CS6811									180	180	93	
	GE6075	2	9	12	18	60	9	14	41	22	22	0	
920816104019	MADHUMITHA A	CS6008	6	13	10	21	70	18	21	93	21	21	0
	CS6801	5	13	11	18	80	18	22	61	21	21	0	
	CS6811									178	180	98	
	GE6075	7	9	10	18	70	10	14	95	22	22	0	
920816104020	MAHALAKSHMI M	CS6008	8	13	11	21	62	17	21	56	21	21	0
	CS6801	8	13	10	18	67	18	22	55	21	21	0	
	CS6811									180	180	95	
	GE6075	6	9	10	18	65	9	14	57	22	22	0	
920816104021	MOINUDEEN S	CS6008	2	13	15	21	0	17	21	84	20	21	0
	CS6801	2	13	14	18	64	21	22	77	21	21	0	
	CS6811									179	180	95	
	GE6075	3	9	14	18	76	11	14	68	22	22	0	
920816104022	MUTHU T	CS6008	10	13	19	21	56	19	21	95	21	21	0
	CS6801	12	13	17	18	46	16	22	77	21	21	0	
	CS6811									180	180	98	
	GE6075	7	9	16	18	70	10	14	81	22	22	0	
920816104023	NANDHINI S	CS6008	10	13	19	21	72	20	21	93	21	21	0
	CS6801	10	13	16	18	86	19	22	91	21	21	0	
	CS6811									180	180	99	
	GE6075	7	9	15	18	80	11	14	97	21	22	0	
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920816104025	PRASATH T	CS6008	9	13	18	21	28	18	21	77	21	21	0
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	CS6811									180	180	96	
	GE6075	7	9	15	18	56	12	14	61	22	22	0	
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	CS6801	12	13	18	18	60	22	22	60	21	21	0	
	CS6811									180	180	95	
	GE6075	8	9	18	18	50	14	14	73	22	22	0	
920816104027	PREETHA B	CS6008	10	13	18	21	88	19	21	99	21	21	0
	CS6801	10	13	16	18	78	19	22	84	20	21	0	
	CS6811									180	180	97	
	GE6075	7	9	16	18	80	13	14	96	22	22	0	
920816104028	PREETHA T	CS6008	11	13	21	21	72	21	21	93	21	21	0
	CS6801	11	13	18	18	84	20	22	85	21	21	0	
	CS6811									180	180	99	
	GE6075	6	9	18	18	70	14	14	93	21	22	0	
920816104029	SABARI KRISHNAN S K	CS6008	6	13	19	21	74	15	21	96	21	21	0
	CS6801	7	13	18	18	64	18	22	47	21	21	0	
	CS6811									180	180	96	



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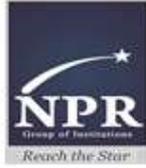
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Assessment Details Entered

APRIL / MAY EXAMINATION, 2020 - EXAMINATIONS

Inst Code & Name : 9208 - N P R COLLEGE OF ENGINEERING AND TECHNOLOGY

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	CS6801	8	13	13	18	60	19	22	83	20	21	0	
	CS6811									179	180	95	
	GE6075	6	9	13	18	50	13	14	63	22	22	0	
920816104031	SELVANAYAKI C	CS6008	13	13	21	21	96	21	21	97	20	21	0
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	CS6811									180	180	99	
	GE6075	9	9	18	18	84	14	14	96	22	22	0	
920816104032	SENTHIL N P	CS6008	5	13	17	21	60	15	21	85	21	21	0
	CS6801	4	13	14	18	64	15	22	87	21	21	0	
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	GE6075	5	9	15	18	70	8	14	52	22	22	0	
920816104033	SHREEDHAR V	CS6008	6	13	15	21	86	17	21	97	21	21	0
	CS6801	5	13	13	18	76	17	22	93	21	21	0	
	CS6811									180	180	99	
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	CS6801	11	13	15	18	88	22	22	97	21	21	0	
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	CS6811									179	180	98	
	GE6075	5	9	17	18	82	12	14	53	22	22	0	
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	GE6075	9	9	17	18	82	14	14	97	22	22	0	
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	CS6801	5	13	12	18	70	17	22	65	21	21	0	
	CS6811									179	180	98	
	GE6075	6	9	14	18	64	11	14	81	22	22	0	
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920816104301	SHARUKKHAN S	CS6008	7	13	20	21	58	19	21	87	20	21	0



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	CS6811									178	180	99
	GE6075	8	9	12	18	90	14	14	97	22	22	0



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CLASS COMMITTEE MEETING

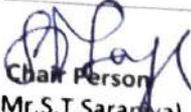
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 8.08.2019

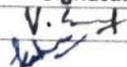
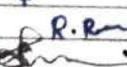
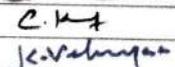
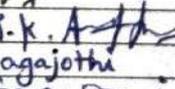
CIRCULAR

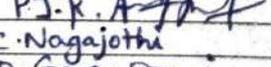
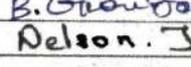
All the faculty members who are handling for the IIIrd year and Student representatives of class committee are informed to attend the Class Committee Meeting- I at III year class room on 13.08.2019 at 12.45 p.m.

CLASS COMMITTEE MEETING-I			
Class: III CSE	Date: 13.08.2019	Time: 12.45p.m.	Venue: III CSE Classroom
Members: III Year CSE Subject handling Faculty Members & Student Representatives			
S.No.	Agenda		
1	Course Materials		
2	Review of Internal Test- I		
3	Syllabus		
4	Association Activities		
5	Any other matter		

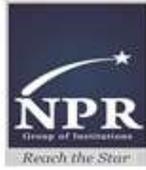

Chair Person
(Mr. S.T. Saranya)
(AP/EEE)


HOD/CSE
(Mr. J. Viswanath)

Name	Designation	Signature
Mrs.V.Sujitha	AP/CSE	
Mrs.C.Kalpana	AP/CSE	
Mrs.R.Ramya	AP/CSE	
Ms.S.Kanagalakshmi	AP/S&H	
Mr.C.Karthik Senthil Kumar	AP/ECE	
Mr.K.Velmurugan	AP/EEE	

Name of the student	Year and Section	Signature
Ms.M.Abirami	III- CSE	
Mr.P.J.K.Ajith Kumar	III- CSE	
Ms.C.Nagajothi	III- CSE	
Mr.Gururaj.B	III- CSE	
Mr.Nelson J	III- CSE	





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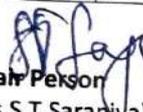


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

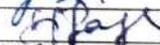
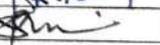
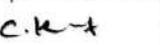
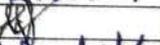
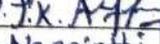
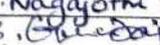
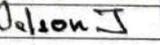
Minutes of the Class Committee Meeting- I

Class: III-CSE	Date: 13.08.2019	Time: 12.45p.m.	Venue: III CSE classroom
Members: III-CSE Subject handling Faculty Members & Student Representatives			
S.No.	Agenda		
1	Course Materials		
2	Syllabus		
3	Review of Internal Test- I		
4	Association Activities		
5	Any other matter		


Chair Person
(Mrs.S.T.Saraniya)
(AP/EEE)


HOD/CSE
(Mr.J.Viswanath)

Members Present:

S.No.	Members	Name	Designation/Department	Signature
1	Head of the Department	Mr.J.Viswanath	HoD/CSE	
2	Chairperson	Mrs.S.T.Saraniya	AP/EEE	
3	Faculty Members handling the Subjects	Mrs.V.Sujitha	AP/CSE	
		Mrs.C.Kalpna	AP/CSE	
		Mrs.R.Ramya	AP/CSE	
		Ms.S.Kanagalakshmi	AP/S&H	
		Mr.C.Karthik Senthil Kumar	AP/ECE	
		Mr.K.Velmurugan	AP/EEE	
4	Student Representatives	Ms.M.Abirami	III- CSE	
		Mr.P.J.K.Ajith Kumar	III- CSE	
		Ms.C.Nagajothi	III- CSE	
		Mr.Gururaj.B	III- CSE	
		Mr.Nelson.J	III- CSE	





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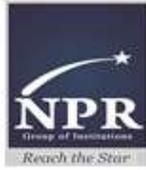
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First class committee meeting for third year CSE was conducted at third year CSE class room at 12.45 p.m. The following points were discussed in the meeting

FEEDBACK FROM STUDENTS:

S. No	Subject Code	Subject Name	Name of the Faculty	Desg /Dept	Syllabus Completion	Feedback from Students	Remedial measures to be taken by the Faculty	Signature of the Faculty
1	MA8551	Algebra and Number Theory	Ms.S.KanagaLakshmi	AP/S&H	1&2 Units Completed	Good	-	
2	CS8591	Computer Networks	Mrs.V.Sujitha	AP/CSE	1&2 Units Completed	Text Books	Books issued from the library	
3	EC8691	Microprocessors and Microcontrollers	Mr.C.Kathik Senthil kumar	AP/ECE	1&2 Units Completed	Good	-	
4	CS8501	Theory of Computation	Mrs.C.Kalpana	AP/CSE	1&2 Units Completed	Need more problems to solve in class.	Solved more problems in class and gave practice problems	
5	CS8592	Object Oriented Analysis and Design	Mrs.R.Ramya	AP/CSE	1&2 Units Completed	Interested in Laboratory Classes than theory	-	
6	OMD551	Basic of Biomedical Instrumentation	Mr.K.Velmurugan	AP/EEE	1&2 Units Completed	Good	-	
7	EC8681	Microprocessors and Microcontrollers Laboratory	Mr.C.Kathik Senthil kumar	AP/ECE	5 Experiments completed	-	-	



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8	CS8582	Object Oriented Analysis and Design Laboratory	Mrs.R.Ramya	AP/CSE	4 Experiments completed	Good	Lab class was very helpful in practice diagrams.	R.Ramya
9	CS8581	Networks Laboratory	Mrs.V.Sujitha	AP/CSE	4Experiments completed	-	-	V.Sujitha

GRIEVANCES/SUGGESTIONS FROM STUDENTS:

1. Students are requested to visit any of the Government research organization/Institute as Industrial Visit.
2. Students are requested the softcopy of power point presentation from all the subject handling faculty members.
3. Need more practice problems for the subject Theory of Computation.


Chairperson
(Mrs.S.T.Saraniya)
(AP/EEE)


HOD/CSE
(Mr.J.Viswanath)



NPR College of Engineering & Technology

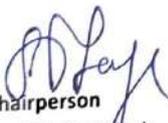
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ACTION TAKEN REPORT: CLASS COMMITTEE MEETING-I

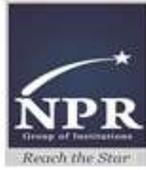
CLASS COMMITTEE MEETING-I		ACADEMIC YEAR-2019-2020 (ODD)	
Class: III-CSE	Date: 13.08.2019	Time: 12.45p.m	Venue: III CSE classroom

S.No	SUGGESTIONS	CORRECTIVE ACTION
1	Industrial Visit	Head of the department and faculty members were planned about Industrial Visit to National Atmospheric Research Laboratory, Tirupathi
2	Need more Practice Problems for the subject Theory of Computation	Informed to the subject in-charge to give more problems for practice.
3	Need softcopy of Power Point Presentation for all the subjects.	Subject handling members are instructed to give their power point presentation softcopy to the students.


Chairperson
(Mrs. S.T. Saranya)
(AP/EEE)


HOD/CSE
(Mr. J. Viswanath)





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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 19.08.2019

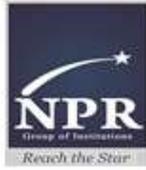
ACTION TAKEN REPORT: CLASS COMMITTEE MEETING-I

CLASS COMMITTEE MEETING-I		ACADEMIC YEAR-2019-2020 (ODD)	
Class: III CSE	Date: 13.08.2019	Time: 12.45p.m.	Venue : III CSE Classroom

S.No	SUGGESTIONS	CORRECTIVE ACTION*
1	Industrial Visit	Head of the department and faculty members were planned about Industrial Visit to National Atmospheric Research Laboratory, Tirupathi.
2	Need more Practice Problems for the subject Theory of Computation	Informed to the subject in-charge to give more problems for practice.
3	Need softcopy of Power Point Presentation for all the subjects.	Subject handling members are instructed to give their power point presentation softcopy to all the students.

J. Bama
Class In-charge
(Mrs. J.Bama)
(AP/CSE)

J. Viswanath
HOD/CSE
(Mr.J.Viswanath)



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING CLASS COMMITTEE EVIDENCE

Industrial Visit



NPR COLLEGE OF ENGINEERING & TECHNOLOGY

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NPR Nagar, Natham, Dindigul - 624 401, Tamilnadu.

Ph : 04544 - 246500, 501, 502

Website : www.nprcet.org, www.nprcolleges.org E-mail : nprgi@nprcolleges.org

Ref. : NPRCET :

Ref: NPRCET/CSE/2019-2020/1.V/002

Date: 31/07/2019

To

Director,
NARL,
Department of Space, Government of India,
Gadanki-517112,
ChittoorDist, Andhra Pradesh

Respected Sir,

Sub: Permission for Industrial Visit – NARL – Tirupati -Reg.

We NPR College of Engineering and Technology, Natham, Dindigul-624401, Tamil Nadu, are pleased to introduce ourselves as eleven year young technical educational institution. We have students joining us in Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering, Civil Engineering, Post Graduate studies in Structural Engineering, and Master of Business Administration.

We have been certified ISO 9001-2008. Our institution is affiliated to Anna University. As per the stipulations of Anna University, our students are expected to make industrial visits to appreciate the practices made in the industry.

We are willing that the students of Computer Science and Engineering Department visit an esteemed organization such as yours, in order to enrich their knowledge and to have an inspiring experience. We would be extremely thankful to you, if you could permit our students (from 7th semester 45 Students and 5th semester 51 Students) totaling 96 Students and 4 staff members to visit your esteemed institution preferably on 13/09/2019 or 20/09/2019.

We look forward to receive your favorable response.

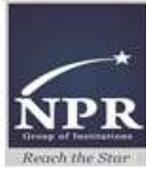
Thanking you,



PRINCIPAL

Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Administrative Office : No.20, Thiruvalluvar Safai, Dindigul - 624 003. Ph : 0451- 2430850, 93 44 44 44 33



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10/14/2020

NPR COLLEGES Mail - NPR College of Engineering and Technology,Dindigul Students Visit to NARL on 13-09-2019



CSE HoD NPRCET <nprcetse@nprcolleges.org>

NPR College of Engineering and Technology,Dindigul Students Visit to NARL... on 13-09-2019

1 message

stvisits@narl.gov.in <stvisits@narl.gov.in>
To: nprcetse@nprcolleges.org, gurugovan@yahoo.com

Fri, Sep 13, 2019 at 4:57 PM

Dear Sir/Madam,

Received a letter from NPR College of Engineering and Technology,Dindigul, Addressed to The Director NARL.

As per the consent of the Director NARL, We earmarked Friday, September 13, 2019 for 96 Students(max) and 4 faculty members' visit to NARL.

Administrative Officer, NARL is requested to kindly provide NARL entry pass for the staff and students of NPR College of Engineering and Technology,Dindigul on the name of Prof. J Viswanath , faculty member, along with 96 students and 4 faculty members as per the attached list for entry into NARL on, Friday, September 13, 2019, 14:00 hrs

You may be aware that, NARL is on Tirupati-Chittoor high way 35 km from both Tirupati and Chittoor.

As soon as the students bus reaches NARL main gate, The visitors will be asked to show identity cards and they have to deposit their electronic items at main gate. Kindly show our e-mail communications to collect the entry pass at NARL main gate at the time of visit.

The tentative agenda of the students visit program is as follows.

14:00 - 14:30: Power point presentation - NARL introduction. Overview of NARL activities & video

14:30 - 16:00: Visit of Automatic Weather station, Balloon launch facility, L-band Radar, High performance computer, Data Center, LIDAR (Laser Radar), VHF (MST) Radar. (10 min at each lab.)

16:00 hrs: Departure

Students may come with lab shoes without laces, as footwear to be removed at each lab.

All the members are expected to come to NARL with identity card.

Electronic gadgets are not allowed in to NARL.

For security reasons, NARL has CCTV monitoring coverage for all the campus.

NARL has right to postpone or cancel the visit permission, in case of any unforeseen developments.

Thank you,

Dr. V Ravi Kiran
Scientist / Engineer - SE

0877 2500 541



<https://mail.google.com/mail/u/2?ik=daafa135be&view=pt&search=all&permthid=thread-f%3A1644559394966203068&siml=msg-f%3A164455939496...> 1/



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CS8591 COMPUTER NETWORKS

UNIT – III PACKET SWITCHING (Switching Techniques – Overview from Unit - I)

By,
Mrs. V.Sujitha, AP/CSE

Circuit Switching

- **Circuit switching** is a technique that directly connects the sender and the receiver in an unbroken path.
- Telephone switching equipment, for example, establishes a path that connects the caller's telephone to the receiver's telephone by making a physical connection.
- In this type of switching technique, once a connection is established, a dedicated path exists between both ends until the connection is terminated.



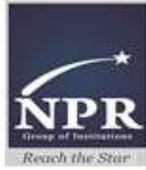
Switching Techniques

In large networks there might be multiple paths linking sender and receiver. Information may be switched as it travels through various communication channels. There are three typical switching techniques available for digital traffic.

- Circuit Switching
- Message Switching
- Packet Switching

Circuit Switching

- **Circuit switching** networks operate almost the same way as the telephone system works.
- A complete end-to-end path must exist before communication can take place.
- The computer initiating the data transfer must ask for a connection to the destination.
- Before the establishment of the connection, the destination must send the acknowledge to the source node to indicate that it is ready and willing to send/receive data.



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Circuit switching

Advantages:

- The communication channel (once established) is dedicated.

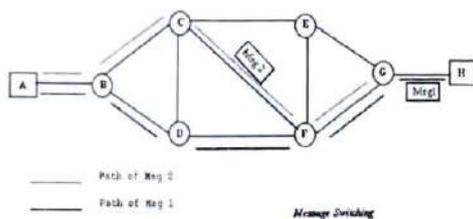
Disadvantages:

- Possible long wait to establish a connection, (10 seconds, more on long- distance or international calls.) during which no data can be transmitted.
- More expensive than any other switching techniques, because a dedicated path is required for each connection.
- Inefficient use of the communication channel, because the channel is not used when the connected systems are not using it.

Message Switching

- In message switching there is no need to establish a dedicated path between two stations.
- When a station sends a message, the destination address is appended to the message.
- The message is then transmitted through the network, in its entirety, from node to node.
- Each node receives the entire message, stores it in its entirety on disk, and then transmits the message to the next node.
- This type of network is called a store-and-forward network.

Message Switching



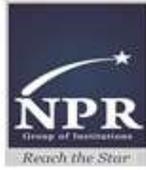
A message-switching node is typically a general-purpose computer. The device needs sufficient secondary-storage capacity to store the incoming messages, which could be long.



Message Switching

Advantages:

- Channel efficiency can be greater compared to circuit-switched systems, because more devices are sharing the channel.
- Traffic congestion can be reduced, because messages may be temporarily stored in route.
- Message priorities can be established due to store-and-forward technique.



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Advantages of packet switching

- Packet switching is cost effective, because switching devices do not need massive amount of secondary storage.
- Packet switching offers improved delay characteristics, because there are no long messages in the queue (maximum packet size is fixed).
- Packet can be rerouted if there is any problem, such as, busy or disabled links.

Disadvantages of packet switching

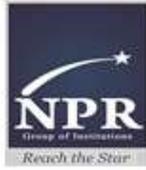
Protocols for packet switching are typically more complex.

- It can add some initial costs in implementation.
- If packet is lost, sender needs to retransmit the data.
- Another disadvantage is that packet-switched systems still can't deliver the same quality as dedicated circuits in applications requiring very little delay - like voice conversations or moving images.

Thank You



V.S.A
[V.SUJITHA]
AP/CSE
FACULTY IN-CHARGE



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Year/ Sem : III / 05

Subject Code & Subject Name : CS8501 - Theory of Computation

Name of the Faculty : Mrs. C.Kalpana, AP/CSE

Assignment Questions

UNIT – I AUTOMATA FUNDAMENTALS

Deterministic Finite Automata (DFA)

1. Draw a DFA that recognizes the set of all strings with $\Sigma = \{a, b\}$ starts with prefix ab.
2. Design a DFA that accepts the even number of 0's and 1's.
3. Design a DFA that contains 001 as substring in all the strings over $\Sigma = \{0, 1\}$.
4. Design a DFA that accepts string defined by language $L = \{a^n b, n \geq 0\}$.
5. Consider the DFA with the following transition table. Describe the language accepted by DFA.

States / input	0	1
-> A	A	B
* B	B	A

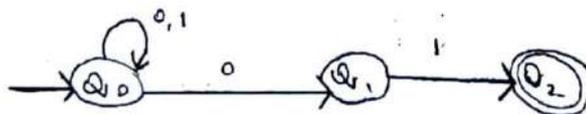
6. Design a DFA that accepts all the strings with at most 3 'a' s.
7. Draw the transition for input 'aba'. Also check given input is accepted or not.

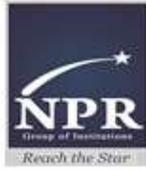
Non-deterministic Finite Automata (NFA)

1. Design NFA that accepts string that contain either 2 consecutive 0's or 1's over $\Sigma = \{0, 1\}$.
2. Design NFA for $L = \{aba^n \mid n \geq 0\}$.
3. Design NFA that accepts the language 00111.

Equivalence of NFA and DFA

1. Convert the following NFA to DFA





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2. Convert NFA to DFA

	0	1
-> q ₀	{q ₁ , q ₂ }	{q ₀ }
q ₁	{q ₀ , q ₁ }	ϕ
* q ₂	{q ₁ }	{q ₀ , q ₁ }

3. Convert NFA to DFA

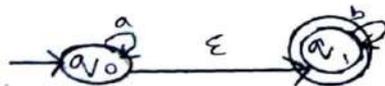
δ	0	1
-> p	{p, q}	p
q	r	r
r	s	-
* s	s	s

4. Construct DFA for given NFA

States	0	1
-> p	{q, s}	q
* q	r	{q, r}
r	s	{p}
* s	-	p

Equivalence of ε-NFA to DFA

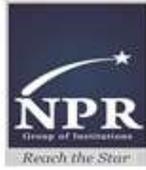
1. Design a DFA that eliminates the ε-transition from ε-NFA.



2. Convert DFA to ε - NFA



States	ε	0	1
-> p	ϕ	p	q
q	p	q	r
* r	q	r	ϕ



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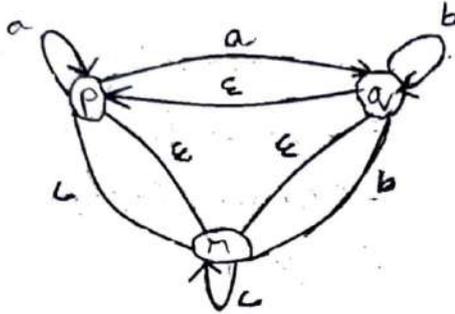
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3. Compute ϵ closure and DFA for following ϵ -NFA



UNIT II REGULAR EXPRESSIONS AND LANGUAGES

Regular Expression (R.E)

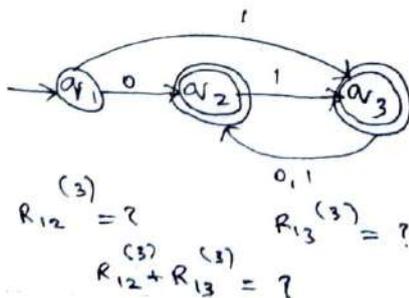
1. Write R.E

- Set of all strings begin with 110.
- Set of all strings of 0's and 1's not containing 101 as substring.
- The set of all strings with equal number of 0's and 1's such that no prefix has 2 more 0's than 1's, nor 2 more 1's than 0's.

2. English Description

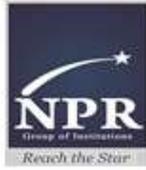
- $(1+\epsilon)(00^*1)^*0^*$
- $(0+10)^*1^*$

3. Convert Finite Automata to Regular Expressions



4. R.E to Finite Automata

- $(0+1)^*(0+1)$



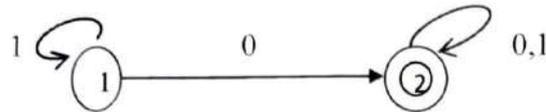
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- b. $(0+1)^*(00+11)(0+1)^*$
- c. $10+(0+11)0^*1$

5. Deduce into regular expression that denotes the language accepted by following DFA.



UNIT III CONTEXT FREE GRAMMAR AND LANGUAGES

Grammar (G)

1. Let $G = (\{s, c\}, \{a, b\}, \{p, s\})$ where p consist of $S \rightarrow aCa$ and $C \rightarrow aca \mid b$. Find $L(G)$.

2. $S \rightarrow aAS \mid a$

$A \rightarrow SbA \mid SS \mid ba$

Show that $S \xRightarrow{*} aabbaa$

3. Find $L(G)$ where, $G = (\{S\}, \{0, 1\}, \{S \rightarrow 0S1, S \rightarrow \epsilon\}, S)$

4. Construct $L(G) = \{a^n b^n \mid n \geq 1\}$

5. To find LMD. Given string $\Rightarrow aabbabbba$

$S \rightarrow aB \mid bA$

$A \rightarrow a \mid as \mid bAA$

$B \rightarrow b \mid bS \mid aBB$

6. Find $L(G)$.

$S \rightarrow aSb, S \rightarrow ab$



7. String $\Rightarrow a^*(a+b00)$

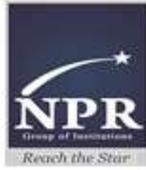
CFG given:

$E \rightarrow I \mid E+E \mid E^*E \mid CE$

$I \rightarrow a \mid b \mid Ia \mid Ib \mid I0 \mid II$

8. $E \rightarrow E+E \mid E-E \mid E^*E \mid E/E \mid (E) \mid a$

Check whether the CGF is ambiguous or not.



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9. Recursive inference

String \Rightarrow 00101

- $S \rightarrow A1B$
- $A \rightarrow 0A$
- $A \rightarrow \epsilon$
- $B \rightarrow 0B$
- $B \rightarrow 1B$
- $B \rightarrow \epsilon$

Pushdown Automata (PDA)

- Convert PDA $P = (\{p, q\}, \{0, 1\}, \{x, z_0\}, \delta, q, z_0)$ to a CFG, if δ is given by,

$$\delta(q, 1, z_0) = \{(q, xz_0)\}$$

$$\delta(q, 1, x) = \{(q, xx)\}$$

$$\delta(q, 0, x) = \{(p, x)\}$$

$$\delta(q, \epsilon, z_0) = \{(q, \epsilon)\}$$

$$\delta(p, 1, x) = \{(p, \epsilon)\}$$

$$\delta(q, 0, z_0) = \{(q, z_0)\}$$

- Construct a CFG $A = (\{q_0, q_1\}, \{0, 1\}, \{z_0, z\}, \delta, q_0, z_0, \phi)$ δ is given by,

$$\delta(q_0, 1, z_0) = \{(q_0, zz_0)\}$$

$$\delta(q_0, \epsilon, z_0) = \{(q_0, \epsilon)\}$$

$$\delta(q_0, 1, z) = \{(q, zz)\}$$

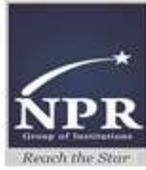
$$\delta(q_0, 0, z) = \{(q_1, z)\}$$

$$\delta(q, 1, z) = \{(q_1, \epsilon)\}$$

$$\delta(q_1, 0, z_0) = \{(q_0, z_0)\}$$



- Construct CFG for $\{a^n b^m c^{2(m+n)} \mid n \geq 0, m \geq 0\}$
- Construct a PDA for given grammar $L = \{cw^T \mid w \text{ is in } (0+1)^k\}$



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UNIT IV PROPERTIES OF CONTEXT FREE LANGUAGES

CFG – Context Free Grammar

CNF – Chomsky Normal Form

GNF – Greibach Normal Form

1. Show the following grammar into an equivalent one with no unit productions and no useless symbols

$S \rightarrow aABA$

$A \rightarrow aaAA|aBC|bB$

$B \rightarrow aA|bB|Cb$

$C \rightarrow aCC|cC$

2. Convert the given CFG to CNF. Consider the given grammar

$S \rightarrow a | aA | B$

$A \rightarrow aBB | \epsilon$

$B \rightarrow Aa | b$

3. Express the following grammar G into Greibach Normal Form(GNF)

$S \rightarrow aXA|BB$

$B \rightarrow a|SBX|aAa$

4. Convert the given CFG to GNF. Consider the given grammar

$S \rightarrow XB | AA$

$A \rightarrow a | SA$

$B \rightarrow b$

$X \rightarrow a$

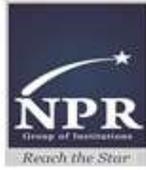
5. Convert the following CFG into CNF

$S \rightarrow ASA | aB, A \rightarrow B | S, B \rightarrow b | \epsilon$

6. Convert the given grammar to CNF-

$S \rightarrow aAD$





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$A \rightarrow aB / bAB$

$B \rightarrow b$

$D \rightarrow d$

7. Convert the given grammar to CNF-

$S \rightarrow 1A / 0B$

$A \rightarrow 1AA / 0S / 0$

$B \rightarrow 0BB / 1S / 1$

- Use the CFL pumping lemma to show **how** each of these languages not to be context-free $\{a^i b^j c^k \mid i < j < k\}$.
- Construct a turing machine that **estimate** unary multiplication (Say $111 \times 11 = 11111$).
- Design a TM to accept the language $LE = \{a^n b^n c^n \mid n > 1\}$.

UNIT V UNDECIDABILITY

1. **Discuss** post correspondence problem .

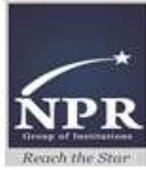
Let $\Sigma = \{0,1\}$. Let A and B be the lists of three strings each ,defined as

	List A	List B
i	wi	xi
1	1	111
2	10111	10
3	10	0



- Does the PCP have a solution?
- Prove that the universal language is recursively enumerable

- Does PCP with two lists $x=(b, b ab^3, ba)$ and $y=(b^3, ba, a)$ have a solution. **Analyze** your answer.
- Find whether the lists



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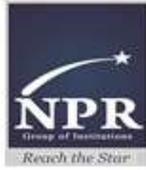
$M = (abb, aa, aaa)$ and $N = (bba, aaa, aa)$

have a Post Correspondence Solution?

4. Find whether the lists $M = (ab, bab, bbaaa)$ and $N = (a, ba, bab)$ have a Post Correspondence Solution?
5. **Point out** that the following problem is undecidable. Given two CFGs G_1 and G_2 is $L(G_1) \cap L(G_2) = \emptyset$.



Kalpana
Subject In-Charge
[C. KALPANA]
AP/CSE



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EVALUATION PROCESS OF UNIVERSITY

REVAUATION PREVIEW FORM



ANNA UNIVERSITY
CHENNAI - 600 025
APPLICATION FOR PHOTOCOPY
NOV. / DEC. EXAMINATION, 2019 [R-2017]

PC

INSTRUCTION TO CANDIDATES

1. Fee for obtaining Photocopy is Rs.300/- per answer script and shall be paid at the College only.
2. Application for Photocopy of answer scripts must be submitted to the Principal of the concerned College on or before 04-02-2020
3. The candidate is advised to register for the subject, in which Photocopy is sought for within the stipulated time for the next examination without waiting for the supply of Photocopy/results of Reevaluation.
4. There is no provision for Photocopy of Practical/Project examination Papers.
5. Incomplete/defective application will be rejected and the fee will neither be refunded nor adjusted towards any fee due to the University.
6. No application will be accepted beyond the due date prescribed.
7. The Head of the Department should ensure while recommending application that the subject code and the subject(s) filled in the respective columns by the candidate are verified and found to be correct.

1. Name	IMAN MOHAMMED T
2. Register Number	920819114012
3. College Code / Name	9208 - N P R COLLEGE OF ENGINEERING AND TECHNOLOGY
4. Degree & Branch	B.E. Mechanical Engineering
5. Month & Year of Examination	Nov./Dec. 2019
6. No. of Subjects applied for Photocopy	2
7. Amount of fee paid to the College	Rs. 600

8. Subjects for which photocopies of valued answers scripts required:

Semester No.	Subject Code	Subject Title	Grade	Result
01	GE8152	Engineering graphics	U	RA
01	PH8151	Engineering physics	U	RA

9. Recommendations of the HOD

Signature of the HOD  5/2/20

T. iman mohamed.
Signature of the Candidate

Station : Natham

Date : 5/2/20




Signature of the Principal
NPR College of Engineering & Technology
NPR Nagar, Natham, Dindigul - 624401



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**ANNA UNIVERSITY
CHENNAI - 600 025**
APPLICATION FOR PHOTOCOPY
NOV. / DEC. EXAMINATION, 2019 [R-2017]

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1. Fee for obtaining Photocopy is Rs.300/- per answer script and shall be paid at the College only.
2. Application for Photocopy of answer scripts must be submitted to the Principal of the concerned College on or before 04-02-2020
3. The candidate is advised to register for the subject, in which Photocopy is sought for within the stipulated time for the next examination without waiting for the supply of Photocopy/results of Revaluation.
4. There is no provision for Photocopy of Practical/Project examination Papers.
5. Incomplete/defective application will be rejected and the fee will neither be refunded nor adjusted towards any fee due to the University.
6. No application will be accepted beyond the due date prescribed.
7. The Head of the Department should ensure while recommending application that the subject code and the subject(s) filled in the respective columns by the candidate are verified and found to be correct.

1. Name	MANIKANDAN R
2. Register Number	920819114015
3. College Code / Name	9208 - N P R COLLEGE OF ENGINEERING AND TECHNOLOGY
4. Degree & Branch	B.E. Mechanical Engineering
5. Month & Year of Examination	Nov./Dec. 2019
6. No. of Subjects applied for Photocopy	1
7. Amount of fee paid to the College	Rs. 300

8. Subjects for which photocopies of valued answers scripts required:

Semester No.	Subject Code	Subject Title	Grade	Result
01	GE8152	Engineering graphics	U	RA

9. Recommendations of the HOD

Signature of the HOD

[Handwritten Signature]
5/2/20

Station : Natham

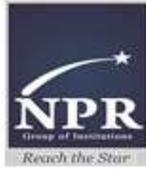
Date : 5/2/20



R. Manikandan
Signature of the Candidate

[Handwritten Signature]
Signature of the Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul - 624 401



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**ANNA UNIVERSITY
CHENNAI - 600 025**
APPLICATION FOR PHOTOCOPY
NOV. / DEC. EXAMINATION, 2019 [R-2017]

PC

INSTRUCTION TO CANDIDATES

1. Fee for obtaining Photocopy is Rs.300/- per answer script and shall be paid at the College only.
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3. The candidate is advised to register for the subject, in which Photocopy is sought for within the stipulated time for the next examination without waiting for the supply of Photocopy/results of Revaluation.
4. There is no provision for Photocopy of Practical/Project examination Papers.
5. Incomplete/defective application will be rejected and the fee will neither be refunded nor adjusted towards any fee due to the University.
6. No application will be accepted beyond the due date prescribed.
7. The Head of the Department should ensure while recommending application that the subject code and the subject(s) filled in the respective columns by the candidate are verified and found to be correct.

1. Name	MANIKANDAN N
2. Register Number	920819114014
3. College Code / Name	9208 - N P R COLLEGE OF ENGINEERING AND TECHNOLOGY
4. Degree & Branch	B.E. Mechanical Engineering
5. Month & Year of Examination	Nov./Dec. 2019
6. No. of Subjects applied for Photocopy	1
7. Amount of fee paid to the College	Rs. 300

8. Subjects for which photocopies of valued answers scripts required:

Semester No.	Subject Code	Subject Title	Grade	Result
01	GE8151	Problem solving and python programming	U	RA

9. Recommendations of the HOD

Signature of the HOD

[Handwritten Signature]
5/2/20

Station : Natham

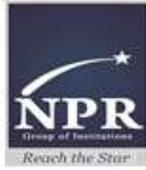
Date : 5/2/20.

[Handwritten Signature]
Signature of the Candidate

[Handwritten Signature]
Signature of the Principal

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Natham, Dindigul - 624401, Tamil Nadu, India





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REVALUATION PHOTO COPY

Instructions to candidates who are receiving Photocopy of Answer Script(s)

- Check whether the photocopy of the answer script supplied is yours including the subject for which you have applied for.
- Please note that the valuation is done for 100 marks in the answer script and the result announced is for 40 marks by conversion.
- Check whether the totaling of marks is correct.
- Check whether marks have been entered against the question no. (including sub-division) in the front page, for all answers written.
- If you find any mistake/omission/error on any of the items in Sl. No 1 to 4 you are directed to report to your Principal/HOD and to make suitable entry in the memo "Examinations - Revaluation - Photocopy Problems" in <http://www.aicte.org> within 3 days of receipt of the photocopy of the answer script.

6. Answer scripts are valued by competent examiners who are teachers from other Engineering Colleges.

7. The valuation in the photocopy of the answer script can be verified by the subject expert by valuing the answer script and if the expert is convinced that the script deserves higher marks than awarded, he/she can recommend for applying revaluation in the format given below:

Part A		Part B			Total *
Q.No.	Marks	Q.No.	I	II	
1	1	11	a		10
2	1		b	15	10
3		12	a	10	
4			b		
5		13	a		10
6			b	6	
7		14	a		
8			b		
9		15	a		8
10			b	8	
		16	a		
			b	5	5
Total					

RECOMMENDED/NOT RECOMMENDED GRAND TOTAL
 Signature: *[Signature]*
 Examiner / Code: *9208/1/ME6603/9208/2014*
 College code / Name: *9208 / NPRCET*

The above recommendation by the subject expert may be recalled by the Principal and the same be produced to the Controller of Examinations as and when it is required for further action.

- 8. The application for revaluation of answer scripts for the persons obtained photocopy will be initiated after the supply of photocopy.
- 9. The marks awarded after revaluation which takes into account all aspects of valuation (including omission if any) if final. No representation will be entertained.
- 10. Photocopy of Revalued Answer Scripts will not be supplied on any account.

920816114005
 Sub:ME6603
 Mark:13 Coll: 9208
 Zone S No.: 02690

Date: 26/11/19 Examiners: AN Question Paper Code: 91850
 Subject Code / Title: ME6603 FINITE ELEMENT ANALYSIS
 Question Paper Code: 91850 No. of Pages used: 30

Date: 26/11/19 Examiners: AN Question Paper Code: 91850
 Subject Code / Title: ME6603 FINITE ELEMENT ANALYSIS

Part A		Part B			Grand Total In words
Q.No.	Marks	Q.No.	I	II	
1	10	11	a		01
2	10		b	01	01
3	10	12	a		01
4	10		b		
5	10	13	a	04	02
6	10		b	02	02
7	10	14	a		
8	10		b		
9	10	15	a		03
10	10		b		
		16	a		02
			b		
Total					13

ONE THREE





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PART A

Essential boundary conditions	natural boundary condition
Total direction $V(x) = 0, \text{ for } x = 0$	Total direction $V(x) = 0, \text{ for } x = l$
boundary at $x = 0$ or $x = l$ $\frac{dV}{dx} = 0$	boundary $x = y$ $\frac{dV}{dx} = 0$
limited stage condition	Boundary represented boundary

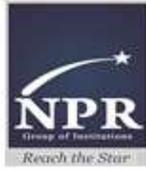
no work and fixed

no work and free

$$V = \frac{1}{2} \int_0^l \left(\frac{dV}{dx} \right)^2 dx$$

$$= \frac{1}{2} \int_0^l \left(\frac{dV}{dx} \right)^2 dx$$





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ANNA UNIVERSITY REVALUATION RESULT

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OFFICE OF THE CONTROLLER OF EXAMINATIONS
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Page 1/7

Inst.Code/Name : 9208 - N P R COLLEGE OF ENGINEERING AND TECHNOLOGY Semester No. : 01 DATE OF PUBLICATION : DD-MM-YYYY

Branch : 114-B.E. Mechanical Engineering

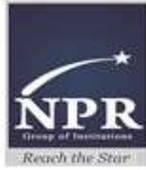
Reg. Number	Stud. Name	Subject Code ->	
		GEE151 Grade	MA6151 Grade
920814114059	SELVAMANI R.P		NC
92081414023	KARTHIKEYAN KV	NC	

W - Withdrawal I - Inadequate Attendance

WH1 - Withheld for Suspected Malpractice WH(others) - Withheld for want of Clarification,approval,etc.

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Page 7/7

Inst.Code/Name : 9208 - N P R COLLEGE OF ENGINEERING AND TECHNOLOGY Semester No. : 07 DATE OF PUBLICATION : DD-MM-YYYY

Branch : 114-B.E. Mechanical Engineering

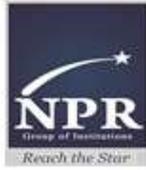
Reg. Number	Student Name	ME6701 Grade	ME6905 Grade	ME6701 Grade	ME6702 Grade	ME6703 Grade
9208114004	AJITH KUMAR M				NC	
9208114005	KUNITHAN P		NC			
9208114010	SHIVANESH KUMAR C				NC	NC
9208114019	KAMATCHI S		NC			
9208114023	KARTHIKEYAN KV		NC			
9208114024	KARTICK M					NC
9208114026	MAHESWARAN MS					NC
9208114027	MALAKANCHI R		E			
9208114033	MULJIBUR RAHMAN S					NC
9208114038	NRIMAL RAJ S				NC	
9208114043	PRABHU L	D				
9208114045	PSHAVEEN RAJA S		NC	NC	NC	
9208114051	SAHAYANBARAJ A				NC	
9208114054	SARTHAR AHAMED M					NC
9208114059	SELVA KUMAR S				E	
9208114070	VIGNESH T		NC			
9208114072	VIVEK BHARATHI G				NC	NC
9208114301	AJITHKUMAR K		NC			NC
9208114304	ARUNPANDIAN M				E	NC
9208114308	BALAJI K				NC	
9208114307	DUTTHESAN S		NC			
9208114308	HARIPRASATH C				NC	NC
9208114318	MATHANRAJ A				NC	
9208114323	SATHISH KUMAR S	NC				NC
9208114324	SIVA K					NC
9208114327	THANGA PANDI S					NC
9208114330	VIJAY B		NC			NC

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Page 6/7

Inst.Code/Name : 9208 - N P R COLLEGE OF ENGINEERING AND TECHNOLOGY Semester No. : 06 DATE OF PUBLICATION : DD-MM-YYYY

Branch : 114-B.E. Mechanical Engineering

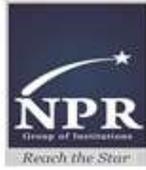
Reg. Number	Stud. Name	ME6602 Grade	ME6603 Grade	ME6604 Grade	ME6605 Grade
92081514008	ALAGESAN M		NC		
92081514103	SIVA MURUGAN A R			NC	
92081514117	VIKASH M		NC		
92081514310	MARJA PRABAHARAN D		NC		
92081514005	ANANTHAN P		NC		
92081514006	BARKEER MADEEN Y				D
92081514023	KARTHIKEYAN KV			NC	E
92081514028	MAHESWARAN MS		NC		
92081514028	MANI BHARATHI R	E			
92081514051	SAHAYANBARAJ A		NC		
92081514072	VIVEK BHARATHI G				D
92081514310	INFANT LAWRENCERAJ I		NC		
92081514323	SATHISH KUMAR S	NC		NC	
92081514327	THANIGA PANDI S		NC	NC	
92081514328	VIGNESH V		NC		

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Page 5/7

Inst.Code/Name : 9208 - N P R COLLEGE OF ENGINEERING AND TECHNOLOGY Semester No. : 05 DATE OF PUBLICATION : DD-MM-YYYY

Branch : 114-B.E. Mechanical Engineering

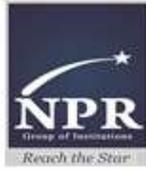
Reg. Number	Subject Code -> Stud. Name	DEE075 Grade	ME6502 Grade	ME6503 Grade	ME6505 Grade
920818114099	SELVAMANI R.P			NC	
920818114010	SHIVANESH KUMAR C	E			
920818114023	KARTHKEYAN KV	E			
920818114054	SARTHAR AHAMED M		NC		
920818114301	AJITHKUMAR K		NC		
920818114307	DUTHESAN S				NC
920818114306	HARIPRASATH C			NC	
920818114316	MATHANRAJ A			NC	
920818114319	PRAVEEN M			NC	

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WH1 - Withheld for Suspected Malpractice WH(others) - Withheld for want of Clarification,approval,etc.

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Page 4/7

Inst.Code/Name : 9208 - N P R COLLEGE OF ENGINEERING AND TECHNOLOGY Semester No. : 04 DATE OF PUBLICATION : DD-MM-YYYY

Branch : 114-B.E. Mechanical Engineering

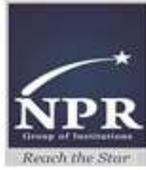
Reg. Number	Subject Code ->	ME401			ME402			ME404		
		Stud. Name	Grade		Grade		Grade		Grade	
920819114033	DINESH S				NC					
920819114078	POIN RAGHUL K							NC		
920819114024	KARTICK M		NC							
920819114306	HARIPRASATH C		NC							
920819114701	RAMAN S		NC							

W - Withdrawal I - Inadequate Attendance

WH1 - Withheld for Suspected Malpractice WH(others) - Withheld for want of Clarification,approval,etc.

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Inst.Code/Name : 9208 - N P R COLLEGE OF ENGINEERING AND TECHNOLOGY Semester No. : 03 DATE OF PUBLICATION : DD-MM-YYYY

Branch : 114-B.E. Mechanical Engineering

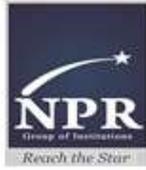
Reg. Number	Stud. Name	Subject Code ->	
		EE6351 Grade	MA6351 Grade
92081414099	SELVAMANI R.P.		NC
92081414100	SHANKAR S		NC
92081514117	VIKASH M		NC
92081514301	AFRITHGOUSERBASHA N		NC
92081514310	MARSA PRABAHARAN D		NC
92081814005	ANANTHAN P		NC
92081814305	BALAJI E	E	

W - Withdrawal I - Inadequate Attendance

WH1 - Withheld for Suspected Malpractice WH(others) - Withheld for want of Clarification,approval,etc.

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Page 2/7

Inst.Code/Name : 9208 - N P R COLLEGE OF ENGINEERING AND TECHNOLOGY Semester No. : 02 DATE OF PUBLICATION : DD-MM-YYYY

Branch : 114-B.E. Mechanical Engineering

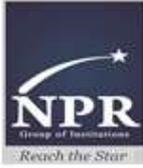
Reg. Number	Stud. Name	Subject Code ->		
		CY6251 Grade	MA6251 Grade	PH6251 Grade
92081414043	JEDAN S	NC		NC
92081414063	MORAMMED AREF I		NC	E
92081414099	SILVAMANI R P		NC	
920815114005	ALAGEBAN M	NC		
920815114084	PREM RAJ A	NC		
920815114117	VIKASH M		NC	
920816114027	MALAIKANCHI R			NC
920816114038	NIRMAL RAJ S		E	

W - Withdrawal I - Inadequate Attendance

WH1 - Withheld for Suspected Malpractice WH(others) - Withheld for want of Clarification,approval,etc.

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MARK SHEET NAME CORRECTION

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State Bank of India
ब्रांच: नाथम
कोड नं. /CODE No: 11066
टेल नं. 04544-245246

मांगद्वारपत्र
DEMAND DRAFT

Key: QACHY Sr. No: 65178

1 2 1 0 2 0 2 0
D D M M Y Y Y Y

मांगे जानेपर THE CONTROLLER OF EXAMINATIONS ANNA UNIVERSITY CHENNAI*****
या उत्तरे जाईल पर
OR ORDER

OR DEMAND PAY
रुपये RUPEES Two Thousand One Hundred Only

अदा करे ₹ 2100.00

IOI 000514495570 Key: QACHY Sr. No: 65178
Name of Applicant G SUDHARSANAM

AMOUNT BELOW 2101(214) मूल्य प्राप्त / VALUE RECEIVED

भारतीय स्टेट बैंक
STATE BANK OF INDIA
अदाकारी शाखा / DRAWEE BRANCH: CHENNAI MAIN BRANCH
कोड नं. /CODE No: 00800

व्यक्तिगत प्रमाणपत्र
PERSONAL RECEIPT

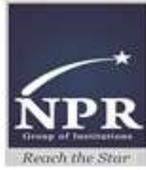
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VALID ONLY IF COMPUTER PRINTED

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VALID FOR 3 MONTHS ONLY

495570# 000002000# 000514# 16





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 CHENNAI 600 025
Office of the Controller of Examinations

Off: 22301632, 22357244
 22357293, 22357296
 22357286, 22357287
 Fax: 91-44-22301134
 E-mail: coe@annauniv.edu

Lr. No. 9208/COE/C.36/2020 - 21129

Date: 12.11.2020

From

The Controller of Examinations,
 Anna University,
 Chennai - 600 025.

To
 The principal,
 9208 - NPR College of
 Engg. & Tech.,

Sir,

Sub: Office of the Controller of Examinations - Anna University - Chennai - 25
 Correction in name in the Grade Sheets - Sent - Reg.

Ref: Your Lt. NO. 08/NPRCET/EXAM/OCT-2020,
 dt: 14/10/2020.

With reference to the letter cited, the
 in respect of the following student(s) after making necessary correction in his/her name is/are
 enclosed and the same may be arranged to be issued to the student(s) concerned.

Sl. No.	Reg. No.	Name	Course & Branch	Sem.	Month and year of Exam	Folio No. & Date
1.	920816104009	DURGA DEVI. P	BE/ CSE	I	NOV '2016	AUV1587014/NC
				II	APR '2017	AUV1578674/NC
				III	NOV '2017	AUT143128/NC
				IV	APR '2018	AUS1535717/NC
				V	NOV '2018	AUR1283585/NC
				VI	APR '2019	AUG1360189/NC
				VII	NOV '2019	AUP1369893/NC
						3/11/20

Yours faithfully,

[Signature]
 for CONTROLLER OF EXAMINATIONS

Encl.: 7 No(s) of Grade Sheets

[Signature]
 12/11/20





NPR College of Engineering & Technology

NPR Nagar, Natham, Dindigul - 624401, Tamil Nadu, India.
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.
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Phone No: 04544- 246 500, 246501, 246502.



Website : www.nprcolleges.org, www.nprcet.org, Email nprcetprincipal@nprcolleges.org



சான்றிதழ் வகை
Certificate SI. No. 88C **3406299**



அரசுத் தேர்வுகள் துறை, சென்னை - 600006
DEPARTMENT OF GOVERNMENT EXAMINATIONS, CHENNAI - 600006
இடைநிலைப் பள்ளி இறுதி வகுப்புச் சான்றிதழ்
SECONDARY SCHOOL LEAVING CERTIFICATE
புதிய பாடத்திட்டம் / NEW SYLLABUS
பத்தாம் வகுப்பு / X STANDARD
தமிழ்நாடு அரசின் அதிகாரத்திற்கு உட்பட்டு வழங்கப்படுகிறது
ISSUED UNDER THE AUTHORITY OF THE GOVERNMENT OF TAMILNADU



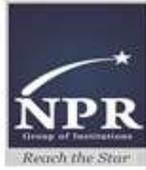
தேர்வர் **DURGA DEVI P** MAR 2014 இல் இடைநிலைப் பள்ளி இறுதி வகுப்புச் சான்றிதழ் பொதுத் தேர்வுக்கு கீழ்க்காணும் மதிப்பெண்களைப் பெற்றுள்ளார் என்று சான்றளிக்கப்படுகிறது.
Certified that the above mentioned candidate appeared for the Secondary School Leaving Certificate Public Examination and obtained the following marks :

பரீட்சை SUBJECT		பெறும் அளவு மதிப்பெண்கள் MAX.MARKS	பெற்ற மதிப்பெண்கள் MARKS OBTAINED
தமிழ் TAMIL		100	092 ZERO NINE TWO (P)
ஆங்கிலம் ENGLISH		100	096 ZERO NINE SIX (P)
கணிதம் MATHEMATICS		100	097 ZERO NINE SEVEN (P)
அறிவியல்* SCIENCE*	கருத்தியல் THEORY	075	100 ONE ZERO ZERO (P)
	செய்முறை PRACTICAL	025	
சமூக அறிவியல் SOCIAL SCIENCE		100	097 ZERO NINE SEVEN (P)
மொத்தம் TOTAL		500	482 FOUR EIGHT TWO (PASS)

பிறந்த தேதி / DATE OF BIRTH 09.06.99	பதிவேண்/REGISTER NO. 1612637	ம.அ.பகுதி மீட்டெண் & நாள் / TMR CODE NO. & DATE C1200551 23.05.2014
பயிற்று மொழி / MEDIUM OF INSTRUCTION ENGLISH		
(19\0542) பள்ளியின் பெயர் / NAME OF THE SCHOOL CATHY MHSS MADURAI		







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Ref. : NPRCET :

Prof. Dr. J.SUNDARARAJAN, M.Tech, Ph.D
PRINCIPAL

Letter No. 08/ NPRCET/ EXAM/Oct - 2020

Date: 14.10.2020

To

The Controller of Examinations,
Anna University,
Chennai - 600 025

Madam / Sir,

Sub: Correction of student Name In Anna University Grade Sheets -Reg.

Herewith ,we have mentioned below the student name DURGA DEVI P (Register No : 920816104009) details for correction of Name for all the grade sheets from 1st to VIIth Semester along with the Demand Draft and other necessary documents for you kind perusal. Please kindly do the needful.

S.No	Register Number	Name of the student in grade sheets	Name of the student in grade sheets has to change
1	920816104009	DURGADEVI P	DURGA DEVI P
Total Amount DD taken (Rupees One Thousand Only) in favour of Controller of Examinations, Anna University, Chennai. DD No : 495570			₹.2100
			Dated 12.10.2020 at State Bank of India , Natham.

Thanking you.

Encl.

1. Demand Draft - 1 No.
2. Xerox copy of SSLC Mark Sheet.
3. Xerox copy of HSC Mark Sheet.
4. University Grade sheets (I to VII)

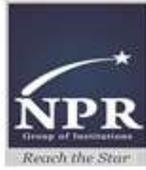


With regards,

J. Sundararajan
Dr. J.SUNDARARAJAN,
B.D., M.Tech., Ph.D.,
Principal
NPR College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Administrative Office : No.20, Thiruvalluvar Salai, Dindigul - 624 003. Ph: 0451-242085, 0451-242086





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ANNA UNIVERSITY, CHENNAI - 25		B.E. DEGREE EXAMINATIONS		GRADE SHEET						
Si.No: MA 1590400		Folio No. AUV1587014								
NAME OF THE CANDIDATE DURGADEVI P		REGISTER NO.		SIGNATURE						
DATE OF BIRTH	GENDER	MONTH & YEAR OF EXAMINATION	DATE OF PUBLICATION							
COLLEGE OF STUDY N P R COLLEGE OF ENGINEERING AND TECHNOLOGY		REGULATIONS								
PROGRAMME & BRANCH B.E. Computer Science and Engineering										
SEM. NO.	COURSE CODE		CREDITS	LETTER GRADE	GRADE POINT	RESULT				
01	CY6151	Engineering Chemistry - I	3	D	6	PASS				
01	GE6151	Computer Programming	3	D	6	PASS				
01	GE6152	Engineering Graphics	4	E	5	PASS				
01	GE6181	Computer Practices Laboratory	2	A	9	PASS				
01	GE6162	Engineering Practices Laboratory	2	A	9	PASS				
01	GE6163	Physics and Chemistry Laboratory - I	1	B	8	PASS				
01	HS6151	Technical English - I	4	C	7	PASS				
01	MA6151	Mathematics - I	4	D	6	PASS				
01	PH6151	Engineering Physics - I	3	E	5	PASS				
*** End of Statement ***										
Semester	I	II	III	IV	V	VI	VII	VIII	IX	X
Credits Registered	26									
Credits Earned	26									
Grade Points Earned	61									
Grade Point Average (GPA)	6.423									
Cumulative Credits Earned	26	Cumulative Grade Point Average (CGPA)				6.42	Medium of Instruction : ENGLISH			
RA - Reappearance is Required		W-Withdrawal		SS - Sports Exemption		* Absent for University Examination				
10-05-17		 SIGNATURE OF THE CANDIDATE		 CONTROLLER OF EXAMINATIONS		 NATHAM				