

	<p align="center"> NPR College of Engineering & Technology NPR Nagar, Natham, Dindigul - 624401, Tamil Nadu, India. Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai. An ISO 9001:2015 Certified Institution. Phone No: 04544- 246 500, 246501, 246502. Website : www.nprcolleges.org, www.nprcet.org, Email: nprcetprincipal@nprcolleges.org </p>	
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CRITERION -2 TEACHING-LEARNING AND EVALUATION

KEY INDICATOR 2.5- EVALUATION PROCESS AND REFORMS

Metric No 2.5.1 Mechanism of Internal Assessment is Transparent and Robust in Terms of Frequency and Mode

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PRINCIPAL

Dr. J.SUNDARARAJAN,

B.E., M.Tech., Ph.D.,

Principal

NPR College of Engineering & Technology

Natham, Dindigul (Dt) - 624 401.

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

August 2020 – November 2020 (ODD SEMESTER – Except I Semester)

UG & PG Programmes

Sl. No.	Programme	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	All UG/PG Programmes (except I Semester)	12.08.2020	26.10.2020**	28.10.2020	09.11.2020
2.	B.E. / B. Tech.(Part-Time) – III, V , VII				

RE - OPENING DAY FOR THE NEXT SEMESTER: 14.12.2020 (Monday)

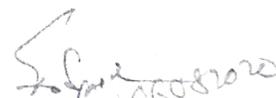
NOTE:

1. The Theory and Practical Examination schedules which will be published in due course by the Controller of Examinations, Anna University, Chennai should be followed. (Practical Examinations will be conducted before the theory examinations).
2. Assessment Schedule for the August 2020 – November 2020 should be followed strictly.
3. Saturdays included in the Assessment period shall be used for conducting the Assessment Tests.

** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.

Sl. No.	Working Days (Saturdays for UG & PG)	Time Table of the Week Day to be Followed
1.	05.09.2020	Tuesday
2.	12.09.2020	Friday
3.	19.09.2020	Monday
4.	26.09.2020	Tuesday

Sl. No.	Working Days (Saturdays for UG & PG)	Time Table of the Week Day to be Followed
5.	03.10.2020	Wednesday
6.	10.10.2020	Thursday
7.	17.10.2020	Friday
8.	24.10.2020	Monday


 DIRECTOR
 ACADEMIC COURSES

Date: 21.11.2020

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI - 600 025

REVISED**ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES****November 2020 – March 2021 (ODD SEMESTER – I Semester)***

UG (FT) Degree Programmes



Sl. No	Programme	Semester	Commencement of Induction Programme	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech. (Full Time)	I	09.11.2020	23.11.2020	24.02.2021**	26.02.2021	08.03.2021
2.	B. Arch. (Full Time)	I	23.11.2020	30.11.2020	03.03.2021***	05.03.2021	15.03.2021

* As per the directives of the Government of Tamil Nadu, the classes will be conducted in ONLINE mode

RE-OPENING DAY FOR THE NEXT SEMESTER: 05.04.2021 (Monday)

1. Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.

Sl. No.	Working Days (Saturdays for UG (FT))	Time Table of the Week Day to be Followed
1.	28.11.2020	Monday
2.	05.12.2020	Tuesday
3.	12.12.2020	Wednesday
4.	19.12.2020	Thursday
5.	26.12.2020	Friday
6.	02.01.2021	Friday

Sl. No.	Working Days (Saturdays for UG (FT))	Time Table of the Week Day to be Followed
7.	09.01.2021	Thursday
8.	23.01.2021	Friday
9.	30.01.2021	Tuesday
10.	06.02.2021	Monday
11.	13.02.2021	Tuesday
12.	20.02.2021	Wednesday
13.	27.02.2021***	Thursday

WJH
21.11.2020
DIRECTOR
ACADEMIC COURSES

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES**December 2020 – April 2021 (ODD SEMESTER – I Semester)***

PG (FT) Degree Programmes



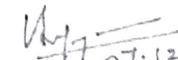
Sl. No	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	M.B.A./ M.C.A (FT)	I	09.12.2020	13.03.2021**	15.03.2021	24.03.2021
2.	M.B.A. (5 Yrs-Integrated)	I				
2.	M.E. / M. Tech. / M. Arch.(FT)	I	30.12.2020	03.04.2021**	05.04.2021	15.04.2021

* As per the directives of the Government of Tamil Nadu, the classes will be conducted in ONLINE mode

RE-OPENING DAY FOR THE NEXT SEMESTER: 03.05.2021 (Monday)** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	12.12.2020	Friday
2.	19.12.2020	Friday
3.	26.12.2020	Thursday
4.	02.01.2021	Friday
5.	09.01.2021	Tuesday
6.	23.01.2021	Thursday
7.	30.01.2021	Monday
8.	06.02.2021	Tuesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
9.	13.02.2021	Wednesday
10.	20.02.2021	Thursday
11.	27.02.2021	Friday
12.	06.03.2021	Monday
13.	13.03.2021	Tuesday
14.	20.03.2021***	Wednesday
15.	27.03.2021***	Thursday
16.	03.04.2021***	Friday


 07.12.2020
 DIRECTOR
 ACADEMIC COURSES

Date : 13.11.2020

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

November 2020 – December 2020 (ODD SEMESTER)

UG - Lateral Entry only

Sl. No.	Programme	Commencement of Classes	Last working day	Commencement of End Semester Examinations
1.	All UG (Lateral Entry) Programmes	16.11.2020	16.12.2020**	21.12.2020

RE - OPENING DAY FOR THE NEXT SEMESTER: 04.01.2021 (Monday)

NOTE:

1. The Theory Examination schedule will be published in due course by the Controller of Examinations, Anna University, Chennai and the same should be followed.
2. Assessments shall be conducted during November 2020 – December 2020.

** In order to ensure minimum no. of working days, the all Saturdays and Sundays are declared as working days.

Ravish Ach
13/11/2020
DIRECTOR i/c

CENTRE FOR ACADEMIC COURSES



Off: 22357077 / 73
22357074
Fax / Dir : 22352272

CENTRE FOR ACADEMIC COURSES
ANNA UNIVERSITY
CHENNAI – 600 025

Dr. S. HOŞIMIN THILAGAR
DIRECTOR

Letter No.2407/AU/CAC/Ach Sch(Rev)/2020

16.10.2020

To
The Deans of Regional Campuses /
The Deans of Constituent Colleges /
The Principals of the Non-Autonomous Affiliated Colleges.

NOTIFICATION

Agenda Item: Extension of Academic Schedule (August – November 2020).

Representations were received from various Principals of Affiliated colleges regarding the challenges / difficulties faced by both the students and faculty during the online teaching – learning process. The issues such as cramped academic schedule, poor network connectivity and insufficient time period between the conduct of three reviews for the project work were discussed.

After due deliberations, in order to address the above said issues and to facilitate the completion of syllabus and the conduct of the internal assessment, it was decided to extend the Academic schedule for the Affiliated Colleges for the current semester. The revised schedule for this session (August – November 2020) is tabulated as below:

Affiliated Institutions

Sl. No	Program me	Commencement of Classes	Last working day		Commencement of Practical Examinations		Commencement of End Semester Examinations	
			Existing	Revised	Existing	Revised	Existing	Revised
1	All UG / PG Programmes (except I Semester)	12.08.2020	26.10.2020	13.11.2020	28.10.2020	17.11.2020	09.11.2020	26.11.2020
2	B. E / B. Tech (Part-Time) - III, V, VII							

RE - OPENING DAY FOR THE NEXT SEMESTER: 28.12.2020 (Monday)

In order to ensure minimum no. of working days, the following Saturdays are declared as working days.

Sl. No.	Working Days (Saturdays for UG & PG)	Time Table of the Week Day to be Followed	Sl. No.	Working Days (Saturdays for UG & PG)	Time Table of the Week Day to be Followed
1.	05.09.2020	Tuesday	6.	10.10.2020	Thursday
2.	12.09.2020	Friday	7.	17.10.2020	Friday
3.	19.09.2020	Monday	8.	24.10.2020	Monday
4.	26.09.2020	Tuesday	9.	31.10.2020	Friday
5.	03.10.2020	Wednesday	10.	07.11.2020	Monday

This decision is taken with the approval of the competent authority.

Thanking you,

Yours faithfully,

[Signature]
16/10/2020
DIRECTOR

Copy to:

1. PS to Vice Chancellor
2. PA to Registrar
3. The Chairpersons, Faculty of Civil / Mechanical / Electrical // ICE / Technology / Management Sciences / S&H / Architecture & Planning, AU, Ch – 25.
4. Office of the Controller of Examinations
5. Office of Additional Controller of Examinations (UDs)
6. The Stock File, CAC.

ANNA UNIVERSITY :: CHENNAI 600 025

Internal Assessment Schedule for Non Autonomous Affiliated Institutions

Period : December 2020 – May 2021 (Even Semester – Final Semester) Examinations

For all UG/PG Programmes

Report No	Report Period	Test Period	Report Entry Period
I	14-12-2020 – 07-01-2021	No Test	20-02-2021 -- 25-02-2021
II	08-01-2021 -- 30-01-2021	25-01-2021 -- 30-01-2021	26-02-2021 -- 05-03-2021
III	18-02-2021 -- 16-03-2021	10-03-2021 -- 16-03-2021	16-03-2021 -- 22-03-2021
IV	17-03-2021 -- 12-04-2021	05-04-2021 -- 12-04-2021	12-04-2021 -- 15-04-2021

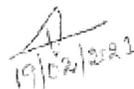
Period : February 2021 – June 2021 (Even Semester – Except II & Final Semester) Examinations

For all UG/PG Programmes

Report No	Report Period	Test Period	Report Entry Period
I	18-02-2021 -- 06-03-2021	No Test	06-03-2021 -- 11-03-2021
II	08-03-2021 -- 30-03-2021	25-03-2021 -- 30-03-2021	30-03-2021 -- 08-04-2021
III	31-03-2021 -- 26-04-2021	20-04-2021 -- 26-04-2021	26-04-2021 -- 30-04-2021
IV	27-04-2020 -- 21-05-2021	17-05-2021 -- 21-05-2021	21-05-2021 -- 24-05-2021

Saturdays may be included as working days to make good the Shortages, if any.


CONTROLLER OF EXAMINATIONS


19/02/2021

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NPRCET/Exam Cell/2020-21/01

18.01.2021

CIRCULAR

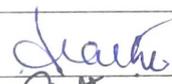
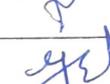
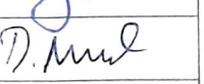
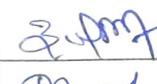
All the Head of the department are instructed to check the quality of the internal test –I question papers of their respective departments. Please follow the below mentioned procedures and report to the undersigned.

- Allocation of questions must be based on bloom taxonomy.
- Submit the Question Bank for all the respective subjects within prescribed date.
- Instruct the faculty members to complete the evaluation process on the fourth day from the date of their respective test.
- Submit the internal and squad invigilators list to the COE section prior to the Internal test-I.

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

Copy to

1. COE
2. All Hods/ Concerned Faculties
3. File

S.No	Name of the HoD	Department	Signature
1.	Dr.A.HEMALATHA	CIVIL	
2.	Mr.J.VISWANATH	CSE	
3.	Dr.A.GOPI SAMINATHAN	ECE	
4.	Mr.G.ELANGO VAN	EEE	
5.	Dr.T.MALAICHAMY	MECH	
6.	Dr.B.VELMURUGAN	MBA	
7.	Dr.T.PRIYA	S&H	



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NPRCET/Exam Cell/2020-21/02

16.03.2021

CIRCULAR

All the Head of the department are instructed to check the quality of the internal test-I question papers of their respective departments. Please follow the below mentioned procedures and report to the undersigned.

- Allocation of questions must be based on bloom taxonomy.
- Submit the Question Bank for all the respective subjects within prescribed date.
- Instruct the faculty members to complete the evaluation process on the fourth day from the date of their respective test.
- Submit the internal and squad invigilators list to the COE section prior to the Internal test-I

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

S.No	Name of the HoD	Department	Signature
1.	Dr. A.HEMALATHA	CIVIL	
2.	Mr.J.VISWANATH	CSE	
3.	Dr.A.GOPI SAMINATHAN	ECE	
4.	Mr.G.ELANGO VAN	EEE	
5.	Dr.T.MALAI CHAMY	MECH	
6.	Dr.B.VELMURUGAN	MBA	
7.	DR.T.PRIYA	S&H	

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NPRCET/Exam Cell/2020-21/02

16.03.2021

EVEN SEMESTER (2020-21)-MARCH 2021

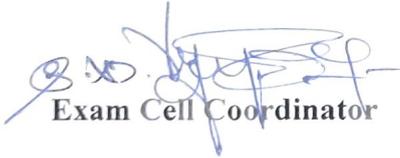
FIRST INTERNAL ASSESSMENT TEST –INSTRUCTIONS

First Internal test for II Year and III Year will be conducted from 25.03.2021 (Thursday) to 30.03.2021 (Tuesday). All the faculty members handling subject for II semester are requested to submit their question bank through the HoD on or before 22.03.2021(Monday).

Syllabus: First Two Unit ONLY

Important instructions regarding question paper setting

- Faculty handling members are requested to submit the question bank for their respective subjects
- The file name of the question bank is to be saved as (year-semester-department-subject code and name)
- Example: II-2 FIRST YEAR -ME6016-Advanced I.C.Engines.
- Late submission of the question bank is not encouraged


Exam Cell Coordinator

Copy to

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2. File


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B.E., M.Tech., Ph.D.,
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NPRCET/Exam Cell/2020-21/01

18.01.2021

EVEN SEMESTER (2020-21)-JANUARY 2021

FIRST INTERNAL ASSESSMENT TEST –INSTRUCTIONS

First Internal tests for IV years will be conducted from 25.01.2021(Monday) to 30.01.2021(Saturday). All the faculty members handling subject for III, V, and VII semester are requested to submit their question bank through the respective HoDs on or before 28.01.2021(Wednesday).

Syllabus: First Two Unit ONLY

Important instructions regarding question paper setting

- Faculty handling members are requested to submit the question bank for their respective subjects
- The file name of the question bank is to be saved as (year-semester-department-subject code and name)
- Example: IV-8 MECANICAL-ME6016-Advanced I.C.Engines.
- Late submission of the question bank is not encouraged


Exam Cell Coordinator

Copy to

1. All Hods/ Concerned Faculties
2. File


Principal
Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.
Principal
N.P.R. College of Engineering & Techno
Natham, Dindigul (Dt) - 624 401.

 <p>NPR Group of Institutions Reach the Stars</p>	<h2 style="margin: 0;">NPR College of Engineering & Technology</h2> <p style="margin: 0;">NPR Nagar, Natham, Dindigul - 624401, Tamil Nadu, India. Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai. An ISO 9001:2015 Certified Institution Phone No: 04544- 246 500, 246501, 246502. Website : www.nprcolleges.org, www.nprcet.org, Email: nprcetprincipal@nprcolleges.org</p>	 <p>ISO 9001 CERTIFICATION EFFECTIVE</p>
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3.			
4.			
5.			
PART – B (1 x 8 = 8 marks)			
6.		(8)	
PART – C (2 x16 = 32 marks)			
7.		(16)	
8.	(i)	(8)	
	(ii)	(8)	

FACULTY IN-CHARGE

HoD

Note: In Part C, questions can be set for 16 marks if the answer is very lengthy otherwise two or more sub-divisions can be included in each full question with break-up of marks indicated in brackets.



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B.E - INTERNAL TEST - I - MARCH - 2021

TIME: 11.15 AM – 12.45 PM

TIME TABLE

DATE: 16.03.2021

DATE	IV SEMESTER				
	CIVIL	CSE	EEE	ECE	MECH
25.03.2021 (Thursday)	MA8491 Numerical Methods	CS8451 Design and Analysis of Algorithms	MA8491- Numerical Methods	MA8451 Probability and Random Processes	MA8452 Statistics and Numerical Methods
26.03.2021 (Friday)	CE8401 Construction Techniques and Practices	CS8493 Operating Systems	EE8401- Electrical Machines - II	EC8451 Electromagnetic Fields	ME8492 Kinematics of Machinery
27.03.2021 (Saturday)	CE8402 Strength of Materials II	CS8492 Database Management Systems	EE8402- Transmission and Distribution	EC8491 Communication Theory	ME8451 Manufacturing Technology – II
28.03.2021 (Sunday)	CE8403 Applied Hydraulic Engineering	MA8402 Probability and Queueing Theory	IC8451- Control Systems	EC8453 linear Integrated Circuits	ME8491 Engineering Metallurgy
29.03.2021 (Monday)	CE8404 Concrete Technology	CS8494 Software Engineering	EE8451- Linear Integrated Circuits and Applications	EC8452 Electronic Circuits II	CE8395 Strength of Materials for Mechanical Engineers
30.03.2021 (Tuesday)	CE8491 Soil Mechanics	CS8491 Computer Architecture	EE8403- Measurements and Instrumentation	GE8291 Environmental Science and Engineering	ME8493 Thermal Engineering - I



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DATE	VI SEMESTER				
	CIVIL	CSE	EEE	ECE	MECH
25.03.2021 (Thursday)	CE8601 Design of Steel Structural Elements	CS8651 Internet Programming	EE8691- Embedded Systems	EC8652 Wireless Communication	ME8651 Design of Transmission Systems
26.03.2021 (Friday)	CE8602 Structural Analysis II	CS8601 Mobile Computing	EE8601- Solid State Drives	EC8651 Transmission lines and RF systems	ME8691 Computer Aided Design and Manufacturing
27.03.2021 (Saturday)	CE8604 Highway Engineering	CS8691 Artificial Intelligence	EE8602- Protection and Switchgear	EC8004 Wireless Networks	ME8693 Heat and Mass Transfer
28.03.2021 (Sunday)	CE8603 Irrigation Engineering	CS8602 Compiler Design	EE8005- Special Electrical Machines	EC8095 VLSI Design	ME8692 Finite Element Analysis
29.03.2021 (Monday)	EN8592 Waste water Supply Engineering	CS8603 Distributed Systems	EE8004- Modern Power Converters	EC8691 Microprocessor and Microcontrollers	ME8694 Hydraulics and Pneumatics
30.03.2021 (Tuesday)	CE8001 Ground Improvement Techniques	IT8076 Software Testing	-	MG8591 Principles of Management	PR8592 Welding Technology


Exam Cell Coordinator

Copy to:

1. All HoDs
2. All Students groups


Principal
Dr. JSUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



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ANNA UNIVERSITY –STUDENT LOGIN WEBPORTAL

Welcome MANI BHARATHI R !!

Subject Code	Report Period I		Report Period II			Report Period III			Total Per
	Total Attended Period	Period	Total Attended Period	Period	Assessment Mark(Out of 100)	Total Attended Period	Period	Assessment Mark(Out of 100)	
GE6757	21	20	16	14	89	18	16	97	
ME6005	22	21	26	25	56	19	17	100	
ME6012	15	14	23	19	44	22	21	95	
ME6701	18	17	19	17	47	21	18	56	
ME6702	25	24	21	18	82	24	23	89	
ME6703	24	23	19	17	44	13	12	79	

Note:

1. The attendance details are given only in terms of periods. If the details are in a format like % of attendance, you may approach the concerned faculty member for necessary changes.
2. The assessment marks obtained are displayed for the maximum of 100 marks.
3. If any discrepancy is noticed by a student, it may be clarified with the concerned members.



NPR College of Engineering & Technology

NPR Nagar, Natham, Dindigul - 624401, Tamil Nadu, India
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Phone No: 04544- 246 500, 246501, 246502.

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



STUDENTS PROFILE IN ERPSOFTWARE

Subject Details x +

npr-cet.uc-school.com/studentportal/default/profile

Welcome, ANANDAKUMAR A

My Profile

Class Subject Details Achievement Documents

Courses

#	Courses	Section Name	Academic Year	Result Status
1	COMPUTER SCIENCE & ENGINEERING	CSE- 1 - YEAR - SEM 1	AY 2019 - 2020	Passed
2	COMPUTER SCIENCE & ENGINEERING	CSE- 1 - YEAR - SEM 2	AY 2019 - 2020	Passed
3	COMPUTER SCIENCE & ENGINEERING	CSE- 2 - YEAR - SEM 3	AY 2020 - 2021	Passed
4	COMPUTER SCIENCE & ENGINEERING	CSE- 2 - YEAR - SEM 4	AY 2020 - 2021	Passed
5	COMPUTER SCIENCE & ENGINEERING	CSE- 3 - YEAR - SEM 5	AY 2021 - 2022	In Progress

Admission Number: 920819104005

Name: ANANDAKUMAR A

Course: COMPUTER SCIENCE & ENGINEERING

Batch: CSE- 3 - YEAR - SEM 5

Board Name: ANNA UNIVERSITY

Email:

WhatsApp: +918940064965

14:59 02-03-2022





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INTERNAL EXAMINATION DETAILS IN ERP SOFTWARE

Student Profile

ANANDAKUMAR A

Admission Number: 920819104005
Name: ANANDAKUMAR A
Course: COMPUTER SCIENCE & ENGINEERING
Batch: CSE - 3 - YEAR - SEM 5
Grade: ANNA UNIVERSITY
Email:
WhatsApp Mobile No.: +918940064965
Status: Active

Exam details

COMPUTER SCIENCE & ENGINEERING CSE - 3 - YEAR - SEM 5 (ANNA UNIVERSITY)

#	Exam Name	Exam Mode	Report
1	ODD SEMESTER (2021-2022)	INTERNAL 1	View Report
2			
3		INTERNAL 2	View Report
4			
5		MODE EXAM	View Report
6			

INTERNAL EXAMINATION MARKS DETAILS IN ERP SOFTWARE

individual-report

1 / 1 100%

NPR College of Engineering & Technology
NPR Nagar, Natham, Dindigul - 624401, Tamil Nadu, India

Date: 2-March-2022

INTERNAL 1

Theory Subjects	INTERNAL 1
Telehealth Technology	97
MAB551 Algebra and Number theory	100
CS8591 Computer networks	98
CS8501 Theory of Computation	96
EC8691 Microprocessors and Microcontrollers	98
CS8592 Object Oriented Analysis & Design	97
Lab Subjects	INTERNAL 1
No results found	





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

STUDENTS ATTENDANCE IN ERP SOFTWARE

Submarine Student Attendance

np-cetac-school.com/studentportal/default/ssh-attendance

Welcome, ANANDAKUMAR A

My attendance

10-Dec-2022

Name	1 09:00:00 09:50:00 Cs8582 Object Oriented Analysis & Design	2 10:16:00 11:05:00 Ma8551 Algebra And Theory	3 11:06:00 11:55:00 Cs8591 Computer Networks	4 11:56:00 12:45:00 Ec8691 Microprocessors And Microcontrollers	5 13:21:00 14:05:00 Cs8582 Object Oriented Analysis And Design Laboratory	6 14:06:00 14:50:00 Cs8582 Object Oriented Analysis And Design Laboratory	7 14:51:00 15:35:00 Cs8582 Object Oriented Analysis And Design Laboratory
ANANDAKUMAR A Reg.No 520E19104005							

- Present - Absent - LateComer

15:05 02-12-2022





NPR College of Engineering & Technology

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The sample of internal marks entered in Anna University web portal is attached below.

- 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)**



ANNA UNIVERSITY :: CHENNAI - 600 025

OFFICE OF THE CONTROLLER OF EXAMINATIONS

Assessment Details Entered
NOV. / DEC. 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 : 07

Register No.	Name of the Student	Subjects	Attend hr 1	Total hr 1	Attend hr 2	Total hr 2	IM 2	Attend hr 3	Tot hr 3	IM 3	Attend hr 4	Total hr 4	IM 4	
920817104001	AARTHI R	CS8079			25	25	95	23	23	95	13	13	100	
		CS8711									60	60	97	
		CS8791			26	26	94	27	27	98	12	12	98	
		CS8792			24	24	96	27	27	98	12	12	98	
		GE8077			22	22	94	20	20	96	16	16	97	
		IT8761										60	60	98
		MG8591			23	23	92	23	23	95	14	14	100	
920817104002	ABIRAMI M	OIE751			24	24	90	23	23	93	15	15	98	
		CS8079			23	25	97	23	23	98	13	13	100	
		CS8711										60	60	100
		CS8791			25	26	100	27	27	100	12	12	97	
		CS8792			23	24	98	27	27	99	12	12	100	
		GE8077			21	22	98	20	20	98	16	16	100	
		IT8761										60	60	100
920817104003	AISHWARYA A	MG8591			21	23	94	23	23	94	14	14	100	
		OIE751			22	24	98	22	23	95	15	15	98	
		CS8079			25	25	96	23	23	95	13	13	100	
		CS8711										60	60	98
		CS8791			26	26	90	27	27	94	12	12	96	
		CS8792			24	24	98	27	27	98	12	12	100	
		GE8077			22	22	94	20	20	96	16	16	98	
920817104004	AISHWARYA R (16-09-1999)	IT8761										60	60	98
		MG8591			23	23	95	23	23	96	14	14	100	
		OIE751			24	24	95	23	23	93	15	15	94	
		CS8079			25	25	92	22	23	90	13	13	96	
		CS8711										60	60	97
		CS8791			25	26	94	27	27	93	12	12	94	
		CS8792			23	24	95	26	27	95	12	12	96	
920817104005	AISHWARYA R (12-12-1999)	GE8077			22	22	92	19	20	92	16	16	96	
		IT8761										60	60	96
		MG8591			23	23	96	23	23	94	14	14	100	
		OIE751			24	24	94	23	23	97	15	15	97	
		CS8079			20	25	95	22	23	94	13	13	98	
		CS8711										60	60	99
		CS8791			26	26	92	26	27	97	12	12	96	
920817104006	AISHWERYA SRIR	CS8792			23	24	96	26	27	98	12	12	100	
		GE8077			18	22	98	20	20	96	16	16	97	
		IT8761										60	60	98
		MG8591			22	23	90	21	23	95	14	14	98	
		OIE751			23	24	94	23	23	94	15	15	99	
		CS8079			25	25	98	22	23	99	13	13	100	
		CS8711										60	60	100
920817104007	AJITH KUMAR P J K	CS8791			26	26	100	27	27	100	12	12	100	
		CS8792			24	24	98	27	27	99	12	12	100	
		GE8077			22	22	98	20	20	98	16	16	100	
		IT8761										60	60	100
		MG8591			23	23	98	22	23	99	14	14	100	
		OIE751			24	24	96	22	23	97	15	15	100	
		CS8079			25	25	98	23	23	98	13	13	100	
920817104007	AJITH KUMAR P J K	CS8711										60	60	100
		CS8791			26	26	94	27	27	98	12	12	100	
		CS8792			24	24	98	27	27	99	12	12	100	
		GE8077			22	22	98	20	20	97	16	16	100	



ANNA UNIVERSITY :: CHENNAI - 600 025
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Assessment Details Entered

NOV. / DEC. EXAMINATION, 2020 - EXAMINATIONS

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

	IT8761							60	60	100	
	MG8591	23	23	94	23	23	98	14	14	100	
	OIE751	24	24	90	23	23	95	15	15	100	
920817104008	ALAGURAJA R	CS8079	20	25	90	19	23	92	11	13	90
	CS8711							56	60	95	
	CS8791	20	26	90	20	27	90	10	12	94	
	CS8792	18	24	92	20	27	94	10	12	94	
	GE8077	17	22	90	15	20	90	14	15	94	
	IT8761							56	60	94	
	MG8591	17	23	90	18	23	88	12	14	90	
	OIE751	19	24	89	19	23	85	13	15	90	
920817104009	AMRUTHAA SHREE R	CS8079	25	25	98	22	23	98	13	13	100
	CS8711							60	60	100	
	CS8791	26	26	100	27	27	100	12	12	100	
	CS8792	24	24	98	27	27	99	12	12	100	
	GE8077	22	22	98	20	20	99	16	16	100	
	IT8761							60	60	100	
	MG8591	23	23	98	21	23	99	14	14	100	
	OIE751	24	24	98	23	23	98	15	15	100	
920817104010	ARUNKUMAR S	CS8079	19	25	92	17	23	92	11	13	78
	CS8711							54	60	92	
	CS8791	20	26	91	20	27	92	10	12	73	
	CS8792	16	24	92	20	27	90	10	12	77	
	GE8077	17	22	91	19	20	91	14	16	78	
	IT8761							54	60	94	
	MG8591	21	23	90	17	23	86	12	14	78	
	OIE751	19	24	92	19	23	85	13	15	77	
920817104011	BONSIYA R	CS8079	20	25	90	17	23	95	12	13	92
	CS8711							56	60	95	
	CS8791	25	26	90	24	27	90	11	12	92	
	CS8792	24	24	94	22	27	95	11	12	94	
	GE8077	18	22	92	11	20	94	15	16	96	
	IT8761							56	60	95	
	MG8591	21	23	90	18	23	92	13	14	100	
	OIE751	22	24	91	20	23	91	14	15	91	
920817104012	CHELLAPANDIAN R	CS8079	25	25	92	23	23	94	12	13	94
	CS8711							56	60	97	
	CS8791	25	26	93	27	27	92	11	12	94	
	CS8792	24	24	94	27	27	96	11	12	98	
	GE8077	22	22	92	19	20	94	15	16	98	
	IT8761							56	60	96	
	MG8591	23	23	96	22	23	94	13	14	100	
	OIE751	24	24	84	23	23	88	14	15	92	
920817104015	DINESH KUMAR C	CS8079	20	25	92	16	23	92	12	13	90
	CS8711							56	60	92	
	CS8791	20	26	91	25	27	91	11	12	90	
	CS8792	20	24	92	24	27	91	11	12	94	
	GE8077	19	22	91	17	20	94	15	16	96	
	IT8761							54	60	91	
	MG8591	22	23	90	21	23	92	13	14	90	
	OIE751	23	24	92	22	23	85	14	15	78	
920817104017	GURUPRABU R	CS8079	23	25	97	19	23	97	13	13	100
	CS8711							60	60	96	
	CS8791	23	26	92	24	27	96	12	12	96	
	CS8792	20	24	97	23	27	98	12	12	96	
	GE8077	22	22	96	18	20	96	16	16	96	
	IT8761							60	60	96	
	MG8591	18	23	96	19	23	97	14	14	92	



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Assessment Details Entered

NOV. / DEC. EXAMINATION, 2020 - EXAMINATIONS

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

	OIE751	22	24	86	21	23	92	15	15	91	
920817104018	GURURAJ B	CS8079	25	25	96	23	23	96	13	13	96
	CS8711							60	60	98	
	CS8791	26	26	94	27	27	97	12	12	100	
	CS8792	24	24	96	27	27	98	12	12	98	
	GE8077	22	22	94	19	20	95	16	16	98	
	IT8761							60	60	98	
	MGB591	23	23	92	23	23	94	14	14	94	
	OIE751	24	24	88	23	23	92	15	15	92	
920817104019	HARI PRASATH I	CS8079	17	25	72	19	23	78	11	13	78
	CS8711							54	60	91	
	CS8791	18	26	74	20	27	78	10	12	75	
	CS8792	19	24	72	20	27	77	10	12	77	
	GE8077	18	22	73	15	20	75	14	15	77	
	IT8761							54	60	91	
	MGB591	22	23	71	17	23	75	12	14	73	
	OIE751	18	24	71	17	23	75	13	15	73	
920817104020	JEGANATHAN R	CS8079	18	25	71	18	23	77	12	13	77
	CS8711							56	60	91	
	CS8791	18	26	73	23	27	75	10	12	73	
	CS8792	16	24	71	23	27	80	10	12	73	
	GE8077	18	22	72	17	20	75	15	18	73	
	IT8761							54	60	91	
	MGB591	22	23	72	18	23	75	12	14	73	
	OIE751	18	24	71	17	23	75	14	15	73	
920817104021	KAVIYA B I	CS8079	25	25	96	22	23	96	13	13	94
	CS8711							60	60	94	
	CS8791	25	26	94	27	27	94	12	12	95	
	CS8792	24	24	95	27	27	96	12	12	95	
	GE8077	22	22	98	20	20	98	16	16	95	
	IT8761							60	60	95	
	MGB591	23	23	90	23	23	95	14	14	100	
	OIE751	24	24	94	23	23	97	15	15	98	
920817104022	KAVIYARASAN A	CS8079	21	25	91	18	23	91	12	13	91
	CS8711							56	60	95	
	CS8791	24	26	91	26	27	91	11	12	97	
	CS8792	22	24	92	23	27	92	11	12	92	
	GE8077	17	22	90	15	20	92	15	16	90	
	IT8761							56	60	95	
	MGB591	17	23	96	19	23	96	13	14	91	
	OIE751	24	24	84	21	23	90	14	15	91	
920817104023	KEERTHANA G	CS8079	25	25	95	23	23	96	13	13	98
	CS8711							60	60	98	
	CS8791	26	26	92	27	27	92	11	12	94	
	CS8792	24	24	96	27	27	97	11	12	97	
	GE8077	22	22	94	20	20	97	16	16	95	
	IT8761							60	60	98	
	MGB591	23	23	90	23	23	92	13	14	100	
	OIE751	24	24	93	23	23	91	15	15	98	
920817104024	KODEESWARAN S	CS8079	18	25	75	18	23	75	12	13	73
	CS8711							56	60	91	
	CS8791	18	26	74	22	27	75	11	12	78	
	CS8792	20	24	75	20	27	75	11	12	78	
	GE8077	19	22	71	17	20	76	15	16	76	
	IT8761							54	60	91	
	MGB591	17	23	80	17	23	84	13	14	77	
	OIE751	20	24	72	18	23	75	14	15	78	
920817104025	KOUSHIK ROMEL J	CS8079	23	25	90	21	23	90	12	13	92



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Assessment Details Entered

NOV. / DEC. EXAMINATION, 2020 - EXAMINATIONS

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

	CS8711							56	60	94	
	CS8791	25	26	90	26	27	94	11	12	94	
	CS8792	24	24	92	25	27	94	11	12	94	
	GE8077	20	22	82	15	20	75	15	16	94	
	IT8761							60	60	93	
	MG8591	23	23	90	23	23	90	13	14	90	
	OIE751	22	24	85	22	23	93	14	15	92	
920817104026	LOGESHWARI S	CS8079	20	25	94	19	23	94	13	13	96
	CS8711							60	60	96	
	CS8791	24	26	94	25	27	94	12	12	96	
	CS8792	24	24	95	24	27	97	12	12	96	
	GE8077	21	22	98	17	20	98	16	16	96	
	IT8761							60	60	98	
	MG8591	21	23	90	22	23	95	14	14	100	
	OIE751	23	24	92	21	23	96	15	15	97	
920817104027	MADHUBALA S	CS8079	23	25	92	16	23	92	13	13	96
	CS8711							60	60	95	
	CS8791	26	26	94	24	27	94	12	12	94	
	CS8792	24	24	94	23	27	98	12	12	94	
	GE8077	20	22	92	15	20	92	16	16	92	
	IT8761							60	60	94	
	MG8591	20	23	94	20	23	96	14	14	100	
	OIE751	24	24	83	20	23	92	15	15	94	
920817104028	MANOJ K	CS8079	25	25	98	20	23	98	13	13	100
	CS8711							60	60	100	
	CS8791	25	26	95	24	27	98	12	12	100	
	CS8792	24	24	98	19	27	99	12	12	98	
	GE8077	22	22	96	19	20	99	16	16	100	
	IT8761							60	60	100	
	MG8591	23	23	92	18	23	99	14	14	100	
	OIE751	22	24	89	20	23	90	15	15	95	
920817104029	MANOJ S	CS8079	22	25	90	18	23	94	13	13	92
	CS8711							60	60	98	
	CS8791	26	26	90	25	27	92	12	12	96	
	CS8792	24	24	92	21	27	97	12	12	94	
	GE8077	17	22	90	17	20	92	16	16	96	
	IT8761							60	60	97	
	MG8591	16	23	94	20	23	94	14	14	94	
	OIE751	24	24	84	20	23	93	15	15	94	
920817104030	MANUSHA M	CS8079	22	25	97	22	23	97	13	13	100
	CS8711							60	60	98	
	CS8791	26	26	96	26	27	97	12	12	100	
	CS8792	24	24	98	27	27	99	12	12	99	
	GE8077	19	22	96	19	20	96	16	16	100	
	IT8761							60	60	99	
	MG8591	22	23	90	22	23	90	14	14	100	
	OIE751	24	24	96	23	23	98	15	15	91	
920817104032	NAGAJOTHIC	CS8079	25	25	98	23	23	98	13	13	100
	CS8711							60	60	100	
	CS8791	26	26	98	27	27	98	12	12	100	
	CS8792	24	24	98	27	27	99	12	12	100	
	GE8077	22	22	98	20	20	98	16	16	100	
	IT8761							60	60	100	
	MG8591	23	23	92	23	23	97	14	14	100	
	OIE751	24	24	96	23	23	98	15	15	99	
920817104034	NATHIPRIYA K	CS8079	25	25	96	22	23	96	13	13	100
	CS8711							60	60	98	
	CS8791	26	26	92	26	27	92	12	12	100	



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

	CS8792	24	24	96	27	27	96	12	12	99	
	GE8077	22	22	98	20	20	98	16	16	100	
	IT8761							60	60	97	
	MG8591	23	23	94	23	23	98	14	14	100	
	OIE751	24	24	98	23	23	99	15	15	98	
920817104035	NATHISHKUMAR R	CS8079	20	25	72	18	23	76	11	13	76
	CS8711							54	60	91	
	CS8791	20	26	74	20	27	75	10	12	77	
	CS8792	22	24	72	19	27	78	10	12	78	
	GE8077	20	22	73	18	20	75	14	16	77	
	IT8761							54	60	92	
	MG8591	22	23	71	15	23	75	12	14	78	
	OIE751	20	24	71	18	23	75	13	15	78	
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	CS8711							56	60	95	
	CS8791	24	26	90	25	27	90	12	12	96	
	CS8792	24	24	94	26	27	95	12	12	98	
	GE8077	22	22	94	20	20	94	15	16	100	
	IT8761							60	60	97	
	MG8591	23	23	90	22	23	90	14	14	92	
	OIE751	24	24	85	23	23	91	14	15	94	
920817104037	NELSON J	CS8079	25	25	90	19	23	90	12	13	92
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	CS8791	21	26	90	27	27	92	11	12	90	
	CS8792	24	24	90	22	27	95	11	12	96	
	GE8077	18	22	90	16	20	94	15	16	92	
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	MG8591	19	23	90	20	23	90	13	14	93	
	OIE751	24	24	88	23	23	92	14	15	92	
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	CS8792	24	24	94	25	27	96	12	12	98	
	GE8077	22	22	98	20	20	98	16	16	100	
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	OIE751	24	24	90	22	23	94	15	15	92	
920817104040	POOVARASAN M	CS8079	22	25	92	18	23	94	12	13	92
	CS8711							56	60	95	
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	CS8792	22	24	92	21	27	93	11	12	96	
	GE8077	21	22	90	15	20	96	15	16	100	
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	MG8591	19	23	90	19	23	95	13	14	90	
	OIE751	24	24	86	19	23	95	14	15	91	
920817104041	POOVENDRAN K	CS8079	25	25	96	22	23	96	13	13	96
	CS8711							60	60	98	
	CS8791	25	26	94	27	27	96	11	12	96	
	CS8792	24	24	96	27	27	98	11	12	96	
	GE8077	22	22	94	18	20	94	16	16	100	



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NOV. / DEC. EXAMINATION, 2020 - EXAMINATIONS

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

	IT8761							63	60	98	
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	IT8761							56	60	91	
	MGE591	22	23	72	17	23	75	13	14	78	
	OIE751	21	24	71	18	23	75	13	15	91	
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	GE8077	20	22	92	15	20	92	14	16	94	
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	IT8761							60	60	100	
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	GE8077	18	22	71	18	20	75	14	16	78	
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	OIE751	17	24	73	19	23	75	13	15	79	
920817104048	SHARMA A	CS8079	19	25	75	18	23	75	11	13	78
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	CS8792	18	24	76	20	27	75	11	12	78	
	GE8077	19	22	72	18	20	76	14	16	76	
	IT8761							54	60	91	
	MGE591	18	23	72	15	23	75	13	14	78	



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		GE8077	22	22	98	20	20	98	16	16	100	
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		CS8792	21	24	94	20	27	97	12	12	94	
		GE8077	20	22	93	20	20	94	16	16	94	
920817104053	VIJAYA SHANTHI M	IT8761							60	60	95	
		MG8591	22	23	90	18	23	94	14	14	100	
		OIE751	19	24	91	21	23	93	15	15	90	
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		CS8711										
		CS8791	0	26	0	0	27	0	0	12	0	
		CS8792	0	24	0	0	27	0	0	12	0	
		GE8077	0	22	0	0	20	0	0	16	0	
		IT8761										
		MG8591	0	23	0	0	23	0	0	14	0	
920817104054	VIJAYKRISHNA T	OIE751	0	24	0	0	23	0	0	15	0	
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		CS8791	24	26	91	24	27	91	12	12	94	
		CS8792	24	24	95	22	27	95	12	12	98	
		GE8077	18	22	94	20	20	92	16	16	96	
		IT8761							60	60	97	
		MG8591	22	23	94	21	23	92	14	14	92	
		OIE751	21	24	88	22	23	75	15	15	92	



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Register Number:

INTERNAL EXAMINATION I – MARCH 2021

4th Semester – CSE

CS8493 – Operating System

Duration: **90 Minutes**

Date: 26.03.2021

Maximum marks: **50**

Course Outcomes ,Question Number, Marks:

COs	CO1	CO2
Ques. No.	1,3,6,7	2,4,5,8
Max. Marks	28	22

COs & K-Level:

CO1: Students can be able to understand the basic concepts and functions of operating systems.

CO2: Students can be able to analyze the various Scheduling algorithms

K-Levels	K1: Remember	K2: Understand	K3: Apply	K4: Analyse	K5: Evaluate	K6: Create
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Q.No	Answer All Questions	Bloom's Taxonomy K-level
PART – A (5 x 2 = 10 marks)		
1.	Define Operating systems.	K1
2.	List out the types of Schedulers	K1
3.	What are the different types of operating systems	K1
4.	Define Inter process Communication	K2
5.	Differentiate between Process and Thread	K2
PART – B (1 x 8 = 8 marks)		
6.	Explain briefly system calls with examples.	K1
PART – C (2 x16 = 32 marks)		
7.	Explain different operations performed by the operating system	K2
8.	Define process. How many different states a process has? Explain when a process changes the state with a state diagram?	K2

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FACULTY IN-CHARGE

Jithu
HoD



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Register Number:

INTERNAL EXAMINATION I – MARCH 2021

4th Semester – CSE

CS8493 – Operating System

Duration: 90 Minutes

Date: 26.03.2021

Maximum marks: 50

Course Outcomes ,Question Number, Marks:

COs	CO1	CO2
Ques. No.	1,3,6,7	2,4,5,8
Max. Marks	28	22

COs & K-Level:

CO1: Students can be able to understand the basic concepts and functions of operating systems.

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K-Levels	K1: Remember	K2: Understand	K3:Apply	K4:Analyse	K5:Evaluate	K6:Create
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Q.No	Answer All Questions	Bloom's Taxonomy K-level
PART – A (5 x 2 = 10 marks)		
1.	Define Operating systems.	K1
2.	List out the types of Schedulers	K1
3.	What are the different types of operating systems	K1
4.	Define Inter process Communication	K2
5.	Differentiate between Process and Thread	K2
PART – B (1 x 8 = 8 marks)		
6.	Explain briefly system calls with examples.	K1
PART – C (2 x16 = 32 marks)		
7.	Explain different operations performed by the operating system	K2
8.	Define process. How many different states a process has? Explain when a process changes the state with a state diagram?	K2

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INTERNAL EXAMINATION I- MARCH 2021

CS8493 – OPERATING SYSTEM

Answer Key

PART – A

1. Define Operating systems.

An operating system is a program that manages a computer's hardware. It also provides a basis for application programs and acts as an intermediary between the computer user and the computer hardware.

2. List out the types of Schedulers

- Long-term scheduler (or job scheduler) – selects which processes should be brought into the ready queue
- Short-term scheduler (or CPU scheduler) – selects which process should be executed next and allocates CPU

3. What are the different types of operating systems

- Batch OS
- Distributed OS
- Multitasking OS
- Network OS
- Real-OS

4. Define Inter process Communication

Interprocess communication (IPC) is used for programs to communicate data to each other and to synchronize their activities. ... IPC is a method for two or more separate programs or processes to communicate with each other.

5. Differentiate between Process and Thread

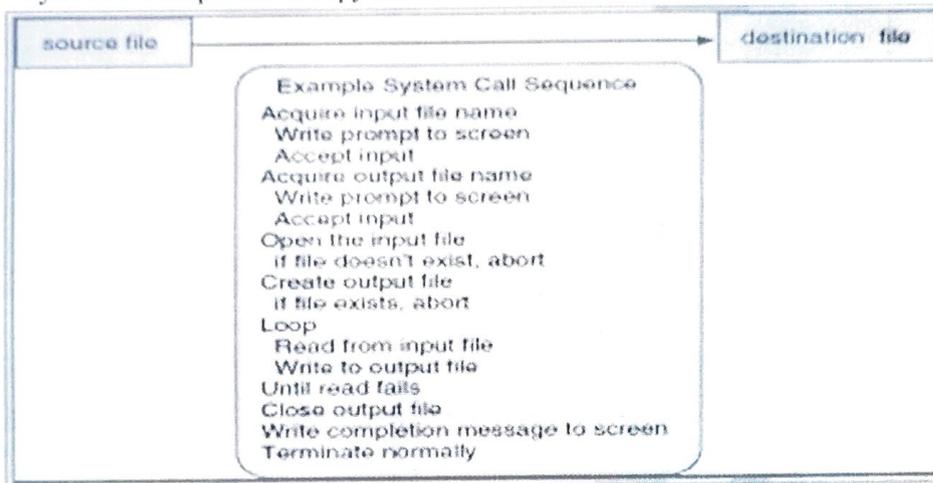
Process	Thread
Process means any program is in execution.	Thread means segment of a process.
Process takes more time to terminate.	Thread takes less time to terminate.
It takes more time for creation.	It takes less time for creation.
It also takes more time for context switching.	It takes less time for context switching.
Process is less efficient in term of communication.	Thread is more efficient in term of communication.
Process consume more resources.	Thread consume less resources.



6. Explain briefly system calls with examples.

System Calls

- Programming interface to the services provided by the OS
- Typically written in a high-level language (C or C++)
- Mostly accessed by programs via a high-level Application Program Interface (API) rather than direct system call use
- Three most common APIs are Win32 API for Windows, POSIX API for POSIX-based systems (including virtually all versions of UNIX, Linux, and Mac OS X), and Java API for the Java virtual machine (JVM)
- System call sequence to copy the contents of one file to another file

**System Call Implementation**

- Typically, a number associated with each system call System-call interface maintains a table indexed according to these numbers
 - The system call interface invokes intended system call in OS kernel and returns status of the system call and any return values
 - The caller need know nothing about how the system call is implemented Just needs to obey API and understand what OS will do as a result call Most details of OS interface hidden from programmer by API Managed by run-time support library (set of functions built into libraries included with compiler)
7. Explain different operations performed by the operating system

Operating-System Operations

If there are no processes to execute, no I/O devices to service, and no users to whom to respond, an operating system will sit quietly, waiting for something to happen. Events are almost always signaled by the occurrence of an interrupt or a trap.

A trap (or an exception) is a software-generated interrupt caused either by an error (for example, division by zero or invalid memory access) or by a specific request from a user program that an operating-system service be performed. The interrupt-driven nature of an operating system defines that system's general structure.

Without protection against these sorts of errors, either the computer must execute only one process at a time or all output must be suspect. A properly designed operating system must ensure that an incorrect (or malicious) program cannot cause other programs to execute incorrectly.



8. Define process. How many different states a process has? Explain when a process changes the state with a state diagram?

An operating system executes a variety of programs:

- Batch system – —jobs”
- Time-shared systems – —user programs” or —tasks”

We will use the terms job and process almost interchangeably

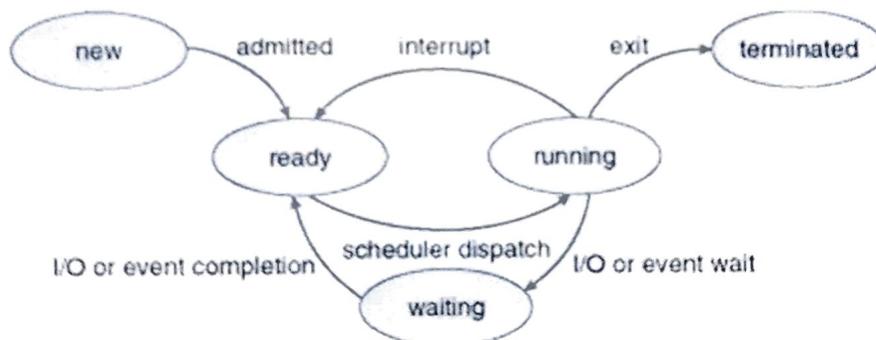
- Process – is a program in execution (informal definition)
- Program is passive entity stored on disk (executable file), process is active
- Program becomes process when executable file loaded into memory

Execution of program started via GUI, command line entry of its name, etc

- One program can be several processes
- Consider multiple users executing the same program
- In memory, a process consists of multiple parts:
- Program code, also called text section

Current activity including

- program counter
- processor registers
- Stack containing temporary data
- Function parameters return addresses, local variables
- Data section containing global variables
- Heap containing memory dynamically allocated during run time



As a process executes, it changes state

- new: The process is being created
- ready: The process is waiting to be assigned to a processor
- running: Instructions are being executed
- waiting: The process is waiting for some event to occur
- terminated: The process has finished execution





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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Register Number: _____

MODEL EXAMINATION I – MAY 2021

4th Semester – CSE

CS8493 – Operating System

Duration: 3 hours

Date: 12.05.2021

Maximum marks: 100

Course Outcomes ,Question Number, Marks:

COs	CO1	CO2	CO3	CO4	CO5
Ques. No.	1,2,11(a),11(b), 16(a)	3,4,12(a),12(b)	5,6,13(a),13(b), 16(b)	7,8,14(a),14(b)	9,10,15(a),15(b)
Max. Marks	45	30	45	30	30

COs & K-Level:

CO1: Students can be able to understand the basic concepts and functions of operating systems.

CO2: Students can be able to analyze the various Scheduling algorithms

CO3: Students can be able to Compare and contrast various memory management schemes

CO4: Students can be able to Understand the functionality of file systems

CO5: Students can be able to Perform administrative tasks on Linux Servers

K-Levels	K1: Remember	K2: Understand	K3: Apply	K4: Analyse	K5: Evaluate	K6: Create
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Q.No	Answer All Questions	Bloom's Taxonomy K-level
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PART – A (5 x 2 = 10 marks)

1.	What is the difference between trap and system call?	K1
2.	What is SYSGEN and system boot?	K1
3.	Elucidate mutex locks with its procedure	K1
4.	Difference between preemptive and non-preemptive scheduling.	K2
5.	Define external fragmentation.	K2
6.	What is the counting based page replacement algorithm?	K1
7.	List out the different types of directory structure.	K2
8.	Define the log structured file. Describe the disadvantages of log structured file.	K1



9.	Define the three layers of network in LINUX kernel.	K1
10.	Define hypervisor and list its components.	K1
PART – B (5 x 13 = 65 marks)		
11.(a)	Discuss in detail about the evolution of the operating system	K1
	OR	
11.(b)(i)	Explain the various memory hierarchy with neat block diagram	K2
(ii)	Discuss about interrupts in detail	K1
12.(a)(i)	Discuss about monitor solution	K1
(ii)	Describe the operation on a process in detail	K1
	OR	
12.(b)	Discuss in detail about the Resource Allocation Graph with suitable examples.	K1
13.(a)	When does the page fault occur? Consider the reference string: 1,2,3,4,2,1,5,6,2,1,2,3,7,6,3,2,1,2,3,6. How many page faults and and page fault rate occur for the FIFO,OPTIMAL,LRU page replacement algorithms, assuming three page frames?	K3
	OR	
13.(b)	Draw the diagram of segmentation memory management scheme and explain its principle	K2
14.(a)	State and explain the FCFS, SSTF and SCAN disk scheduling with examples.	K2
	OR	
14.(b)(i)	Describe in detail about the commonly used file operations with example.	K1
(ii)	Describe in detail about free space management.	K2
15.(a)(i)	Explain the components of Linux system with neat sketch.	K1
(ii)	Write the various system administrator roles in LINUX OS	K2
	OR	
15.(b)(i)	How to install and configuring network services in LINUX.	K2
(ii)	Describe the benefits of virtualization in LINUX OS	K2
PART – C (1 x15 = 15 marks)		
16.(a)	Analyse five services provided by an operating system. Explain how each provides convenience to the users. Explain in which cases it would be impossible for user-Level programs to provide these services.	K4
	OR	
16.(b)	You have devised a new page-replacement algorithm that you think may be optimal. In some contorted test cases, Belady's anomaly occurs. Is the new algorithm optimal? Explain your answers.	K2

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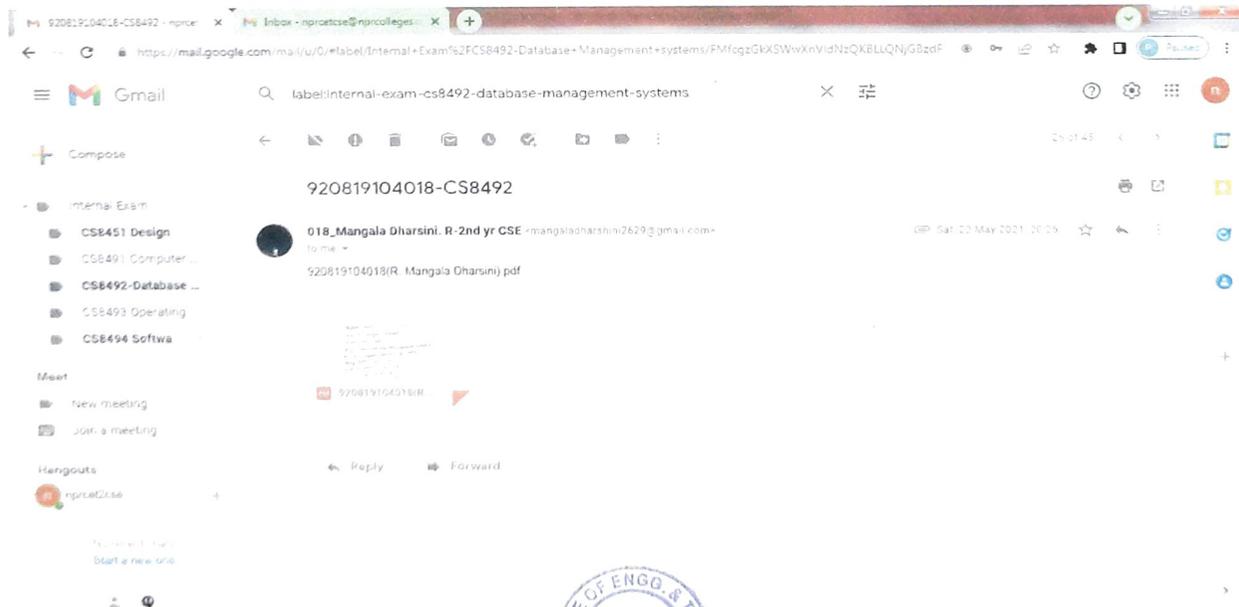
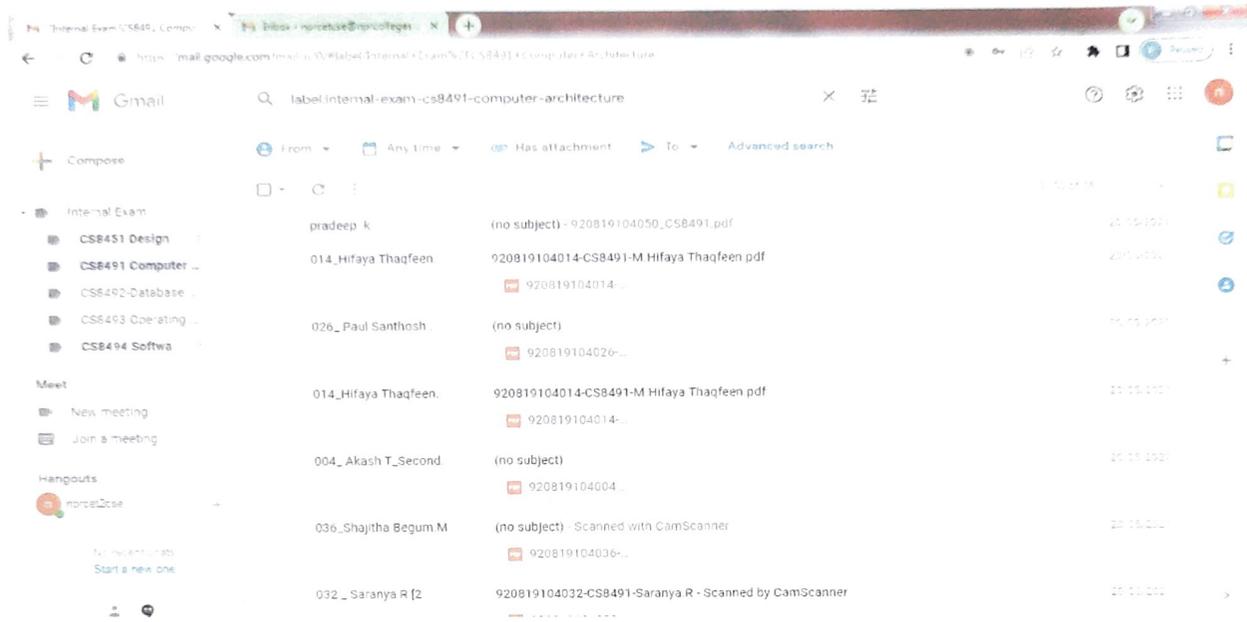


STUDENTS ONLINE INTERNAL EXAMINATION ANSWERS SCRIPTS

RECEIVED THROUGH COMMON GMAIL GROUP

Year / Semester: II / IV

Academic Year: 2020 – 2021





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INTERNAL TEST - I / H

- a) Register Number :

9	2	0	8	1	9	1	0	4	0	0	5
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- b) Year & Department : II Yr & CSE
- c) Subject code & Title : CS 8493 - Operating System
- d) Date & Session (FN/AN) : 26.03.2021 - FN
- e) Number of pages used : 10

— (ONLINE MODE)

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.		8					8
7.	a)	14½					14½
	b)						
8.	a)		16				16
	b)						
TOTAL		22½	16				38½

CO. No.	Total Marks	Attained Marks
CO.1....	28	26½
CO.2....	22	22

Grand Total	48½
	50

P. Karthi
Name and Signature of the Faculty

[Signature]
Name and Signature of the HoD

Part - A

1. operating system :

- * An operating system is a program that manages a computer hardware.
- * It also provides a basis for application programs.
- * It acts as an intermediate between computer user & computer hardware.

2. Types of schedulers :

- * Long-term scheduler - selects which processes should be brought into ready queue.
- * Short-term scheduler - selects which processes should be executed next and allocates CPU.

3. Types of O.S :

- * Batch OS
- * Distributed OS
- * Multitasking OS
- * Network OS
- * Real OS

4. Inter Process Communication :

- * Interprocess communication is used for programs to communicate data to each other and to synchronize their activities.

* IPC is a method for two or more separate programs or processes to communicate with each other.

5. Process & Thread :

Process	Thread
Process means any program is in execution.	Thread means segment of a process.
It takes more time to terminate.	It takes less time to terminate.
It takes more time for creation.	It takes less time for creation.
It takes more time for context switching.	It takes less time for context switching.
It consume more resources.	It consume less resources.

Part - B

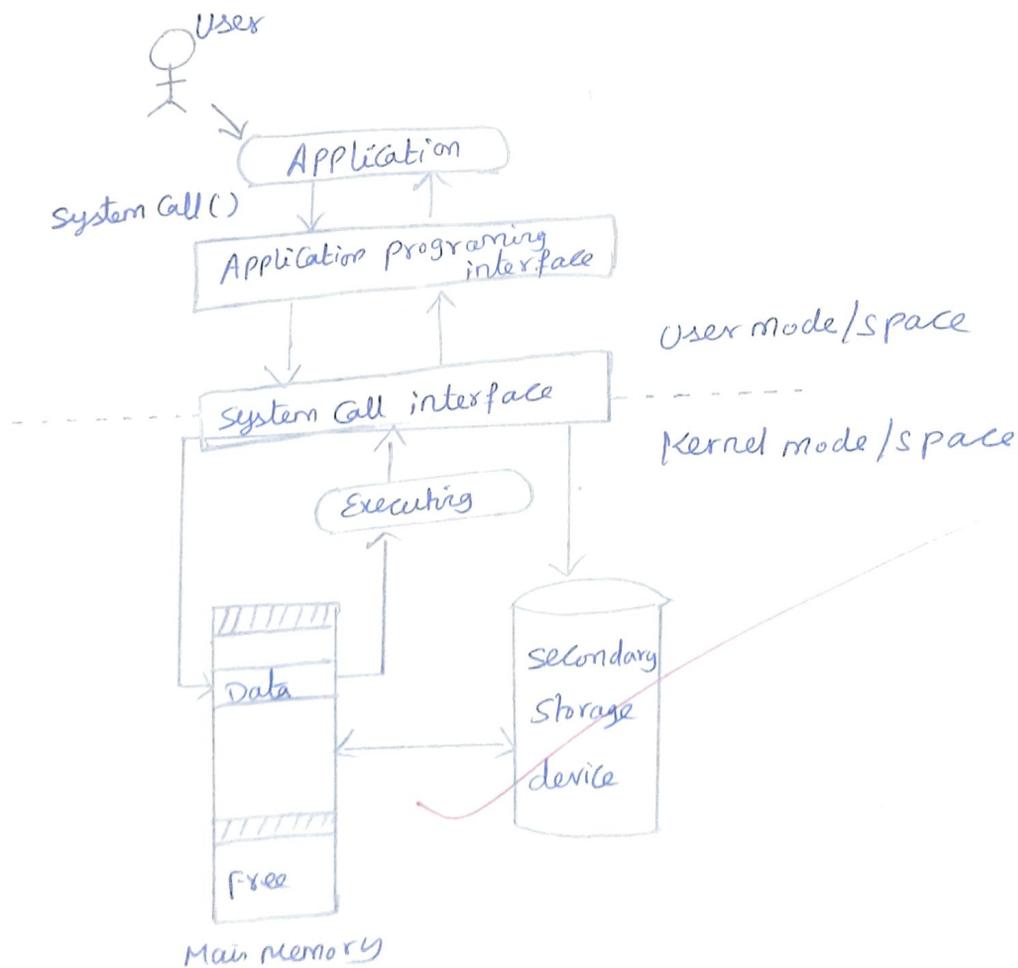
6. System Calls :

* Programming interface to the services produced by the OS.

* Typically written in a high-level language.

* Mostly accessed by programs via high-level

Application Program Interface rather than direct system call use.



Windows System : Win 32 API

POSIX System : POSIX API

Virtual machine : Java API

Classification:

1) File Management:

* File management system calls are create file, delete file, open file, close file, read file, write file, get and set file attribute.

* User can create file using create() system call.

2) Process Management:

* System calls for process management are create, load, terminate, execute, set & get process attributes.

* Other system call for process management is wait for time, wait event, allocate, free memory.

3) Interprocess Communication:

* Pipe, socket, message passing, shared memory are used for this type.

* Send message, receive message, create & delete connection, attach remote device are the system calls used in interprocess communication.

4) I/O device management :

* System calls for device management are request(), device release(), get and set device attributes, read, write etc.

* Process needs several resources in its life time.

5) Information processing & maintenance :

* System calls for this category is set time and date, get time and date, get system data, get and set process file and device.

* Most of the OS provides system call for set and get the time and date.

Part - C

7) Operations performed by the OS :

* For single-user programmer OS, programmer has complete control over the system. They operate system from console.

* Earlier OS were called resident monitors and starting with resident monitor, the OS began to perform many functions.

★ If there are no process to execute, no I/O device to service and no users to whom to respond, an OS will sit quietly, waiting for something to happen.

★ A trap is a software generated interrupt caused either by an error.

★ The interrupt-driven nature of an OS defines that system's general structure.

★ Without protection against these sorts of errors, either the computer must execute only one process at a time.

★ Before the OS, programmer is responsible for the controls of i/p - o/p device operations.

★ Sharing of resource among different programmers is possible without increasing cost.

★ For proper operation & error free result protection of error is required.

★ Computer hardware detects errors. OS handled this types of errors.

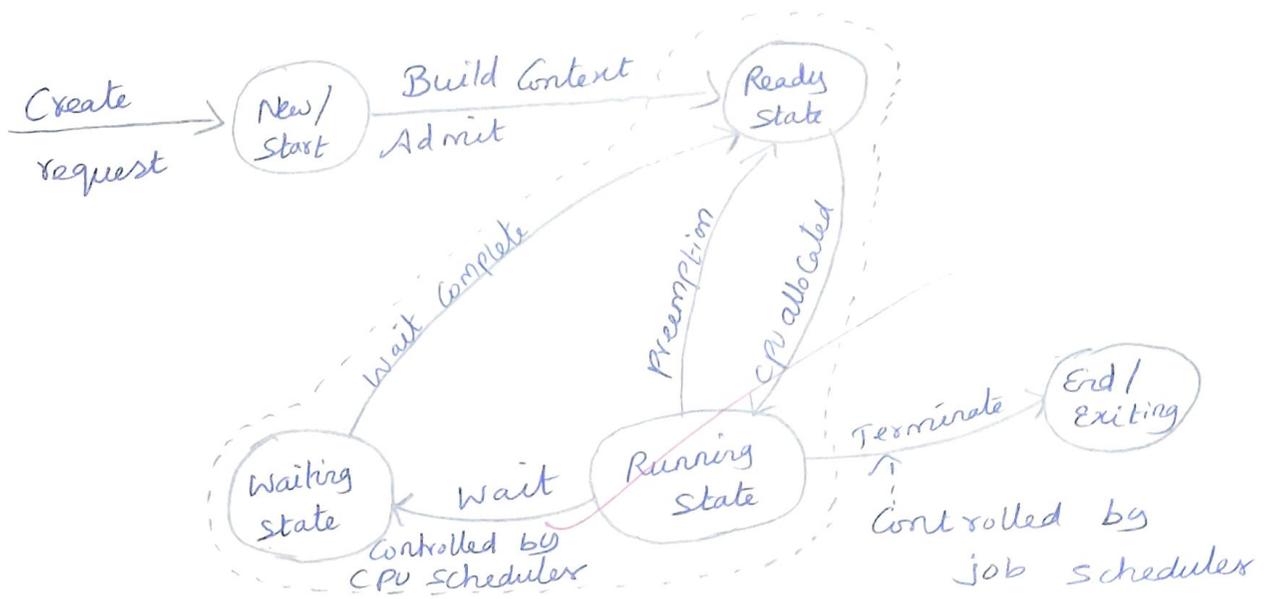
8. Process :

* A Process is simply a program in execution.
i.e., an instance of a program execution.

* It is active entity.

* Process is a dynamic entity.

Process states :



* State diagram is used by the process manager to determine the type of service to provide to process.

States :

- 1) New
- 2) Ready
- 3) Running
- 4) Blocked/waiting
- 5) Exit/End.

Dual Mode Operation :

★ For proper operation & correct o/p, OS must be protected. The users program and data must be protected from any malfunctioning program.

★ In this, two separate modes are used for working of OS. These modes are user mode and monitor mode.

★ For indicating mode, mode bit is used in Computer hardware. The mode bit is 0 for monitor & 1 for user.

★ At the booting time, hardware starts in monitor mode, then OS is loaded.

★ The hardware switches from user to monitor mode, when interrupts occur.

★ The dual mode operation provides the protection to OS, from unauthorised users.

New:

* OS creates new process by using fork() system

Call.

* These processes are newly created process.

Ready:

* The process is completing for CPU.

* Process reaches to head of the list.

Running:

* The process that is currently being executed.

* OS allocates all the hardware & software resources to

process for execution.

Blocked/Waiting:

* A process is waiting until some event occurs such as the completion of an i/p - o/p operation.

Exit/End:

* A process completes its operations and releases all resources.

* OS maintains a ready list of ready process and blocked list of blocked processes.

S. No	State Transition	Remarks
1.	Ready to running	process is dispatched
2.	Running to ready	process time slice expires.
3.	Running to blocked	when process blocks.
4.	Blocked to ready	when event for which it has been waiting occurs
5.	Ready to exit	This is possible when parent process may terminate child process at any time
6.	Running to exit	When currently running process complete its operation then OS terminates the process.

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ONLINE MODEL PRACTICAL AND UNIVERSITY EXAMINATION INSTRUCTIONS SENT THROUGH WHATSAPP GROUPS

Year / Semester : IV / VII

Academic Year : 2020 – 2021

<p>8:27 PM 0.0KB/s</p> <p>NPRCET CSE 2017-2...</p> <p>Good Evening to all</p> <p>Tomorrow you have Security Model lab from 9.30 AM to 12.30 PM and Cloud lab from 1.30 to 4.30 PM</p> <p>One of the objective of this model exam is to identify if there is any difficulties while you are attending the exam.</p> <p>So compulsorily everyone should attend this model exam with Proper dress code and ID Card</p> <p>You have to write Aim, Algorithm, program, output and result</p> <p>Everything you have to write only in A4 sheet. Viva voce will be conducted.</p> <p>Program will be given to you once you join in the session</p> <p>Change your name in Google meet app as Register no_name initial Ex: 001_Aarthy E</p> <p>Compulsorily you should remove your Google meet profile picture</p> <p>Apart from this if you have any doubt you can ask tomorrow lab.</p>	<p>9:27 PM 0.3KB/s</p> <p>NPRCET CSE 2017-2...</p> <p>IT8761 Security Model Lab</p> <p>Date : 19.12.2020</p> <p>Time: 9.30am to 12.30pm</p> <p>To join the video meeting, click this link: https://meet.google.com/vyd-uweu-oqu</p> <p>To join by phone instead, dial (US) +1 319-423-8786 and enter this PIN: 789 986 455#</p> <p>Mcq link for security model lab. Link will be active upto 9.30 am. https://forms.gle/hhUSHovxfxcvTMX8</p> <p>Model lab started.come fast</p> <p>npr prisca</p> <p>CS8711Cloud Computing Model lab</p> <p>Date-19 12 2020 Time-1 30 to 4 30 pm</p> <p>To join the video meeting, click this link: https://meet.google.com/fbi-ownj-iay</p> <p>To join by phone instead, dial (US) +1 334-518-1206 and enter this PIN: 338 339 311#</p>	<p>9:28 PM 0.0KB/s</p> <p>NPRCET CSE 2017-2...</p> <p>Good Morning to all.</p> <p>I will post MCQ link at 9.00am.</p> <p>MCQ link will be active up to 9.30 am.</p> <p>After completion of MCQ you can join in Google meet at 9.30am.</p> <p>Anna University Practical Examination - December 2020</p> <p>IT8761 Security Laboratory</p> <p>Date: 22 12 2020 (Tuesday)</p> <p>Batch : I (24 Students) Time : 09.30 AM to 12.30 PM</p> <p>To join the video meeting, click this link https://meet.google.com/ovu-xnin-qjc</p> <p>To join by phone instead, dial (US) +1 505-445-7192 and enter this PIN 272 613 993#</p> <p>Anna University Practical Exam - December 2020</p> <p>IT8761 Security Laboratory</p> <p>Date: 22 12 2020 (Tuesday)</p> <p>Batch : II (24 Students) Time : 01.00 PM to 04.00 PM</p>
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ACADEMIC YEAR (2020 - 2021) - ODD SEMESTER
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ONLINE MODEL PRACTICAL EXAMINATION DECEMBER - 2020

Date : 15.12.2020

S.No.	Model Exam Date	Model Exam Session & Timing	University Exam Date *	Dept.	Sub. Code	Name of the Laboratory	No. of Students	Internal Examiner Name
1	16.12.2020	AN 1.30 PM to 4.30PM	18.12.2020	II-CSE	CS8381	Data Structures Laboratory	48	J.Dinesh
2	16.12.2020	AN 6.00 PM to 9.00PM	19.12.2020	II-CSE	CS8383	Object Oriented Programming Laboratory	48	D.Nagaraj
3	17.12.2020	FN 9.30 AM to 12.30 PM	21.12.2020	III-CSE	CS8581	Networks Laboratory	29	J.Dinesh
4	17.12.2020	AN 1.30PM to 4.30PM	22.12.2020	III-CSE	CS8582	Object Oriented Analysis and Design Laboratory	29+1	J.Prisca Mary
5	19.12.2020	FN 9.30 to 12.30	22.12.2020	IV - CSE	IT8761	Security Laboratory	48	C.Kalpana
6	19.12.2020	AN 1.30 to 4.30	23.12.2020	IV - CSE	CS8711 / CS6712	Cloud Computing Laboratory / Grid and Cloud	48 + 1	J.Prisca Mary





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						Computing Laboratory		
7	18.12.2020	AN 6.00 PM to 9.00 PM	21.12.2020	II-ECE	EC8381	Fundamentals of Data Structures in C Laboratory	68	J.Viswanath
9	18.12.2020	FN 9.30AM to 12.30PM	23.12.2020	III-EEE	CS8383	Object Oriented Programming Laboratory	8	V.Sujitha


HoD




PRINCIPAL

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

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ONLINE MODEL PRACTICAL EXAMINATION

Year/Semester: IV / VII

Subject Code / Subject Name: IT8761 - SECURITY LABORATORY

Time : 3 Hours

Max. Marks: 100

ONLINE TEST (15)	AIM, ALGORITHM & PROGRAM (65)	RESULT (10)	VIVA VOCE (10)	TOTAL (100)

S. No.	NAME OF THE EXPERIMENT
1.	Write a program to perform encryption, decryption using Ceaser cipher.
2.	Write a program to perform encryption, decryption using Play fair cipher.
3.	Write a program to perform encryption, decryption using Hill Cipher.
4.	Write a program to perform encryption, decryption using Vigenere cipher.
5.	Write a program to perform encryption, decryption using Rail fence cipher.
6.	Write a program to perform encryption, decryption using Row and Column Transformation.
7.	Write a program for DES Algorithm for Practical applications.
8.	Write a program for AES Algorithm for Practical applications.
9.	Write a program to implement RSA Algorithm using HTML and JavaScript
10.	Write a program to implement the Diffie-Hellman Key Exchange algorithm.
11.	Write a program calculate the message digest of a text using the SHA-1 algorithm
12.	Write a program to implement the Signature Scheme - Digital Signature Standard


LAB IN-CHARGE




HoD - CSE



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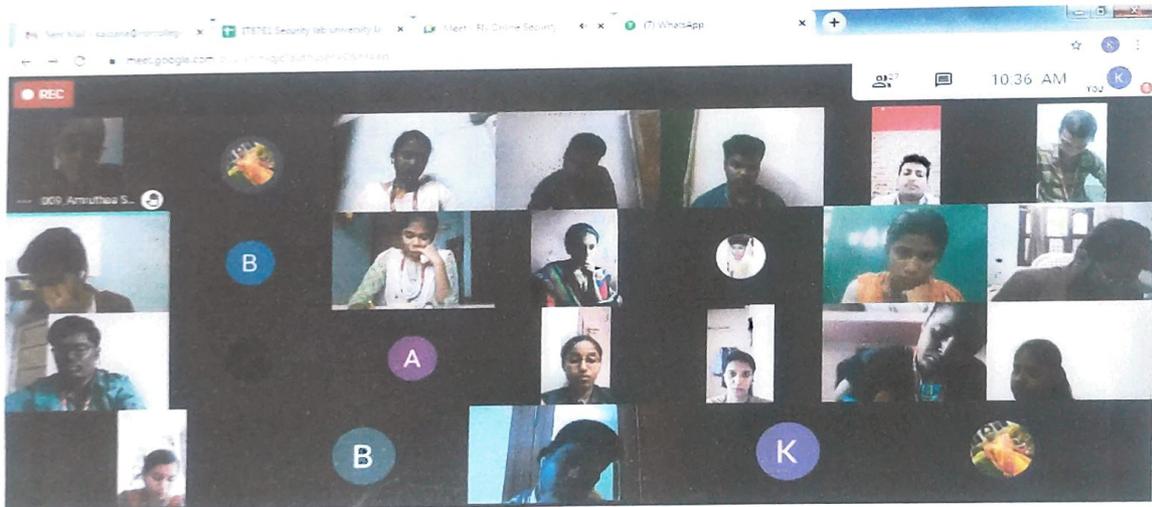


ONLINE MODEL PRACTICAL EXAMINATION SCREENSHOTS

ACADEMIC YEAR 2020 - 2021

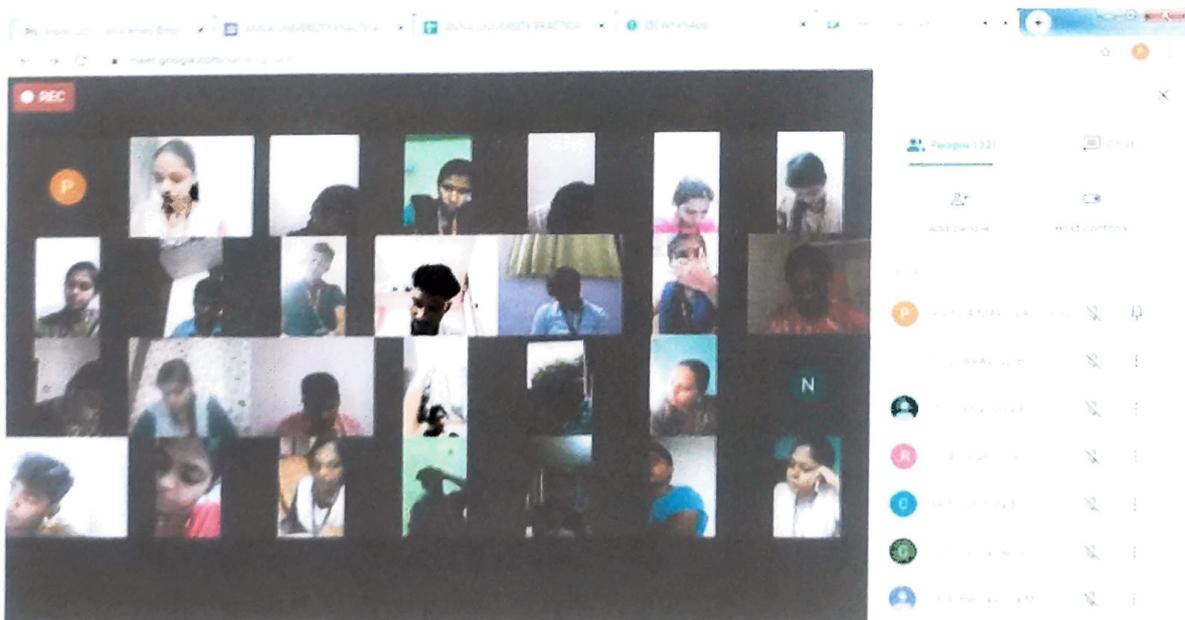
Year / Semester : IV / VII

Subject Code & Name : Security Lab



Year / Semester : III / V

Subject Code & Name : OOAD Lab



Register Number: 92081104046

Semester: 7

Year: IV

Session: AN

Date: 18.12.2020

Subject code & Name: IT8761 - Security Laboratory

College code & Name: 9208 - NPR College of Engineering and Technology

online mcq Test (15)	Aim, Algorithm and Program (65)	Result (10)	Viva-voice (10)	Total (100)
15	65	10	10	100

Internal Examiner

External Examiner

Write a Program to Perform encryption and decryption using Caesar cipher:

Aim:

To encrypt and decrypt the message using the Substitution Technique caesar cipher encryption algorithm.

Algorithm:

* In caesar cipher each letter in the Plain text can be replaced by some other letter in some fixed position.

* The encryption can also be represented using the modulo arithmetic by first transforming the letters into numbers as,

A = 0, B = 1, ..., Z = 25

*Encryption of a letter x by shifting n can be described as

$$E_n(x) = (x+n) \bmod 26$$

*Decryption of a letter x by shifting (reverse) n can be described as

$$D_n(x) = (x-n) \bmod 26$$

Program:

caesar.java:

```
class caesar cipher {
    public static String encode (String enc, int offset)
    {
        offset = offset % 26 + 26;
        String Builder encoded = new String Builder ();
        for (char i; enc.toCharArray ())
        {
            if (Character.isLetter (i))
            {
                encoded.append ((char) ('A' + (i - 'A' + offset) % 26))
            }
            else
            {
                encoded.append ((char) ('a' + (i - 'a' + offset) % 26))
            }
        }
    }
}
```

```
encoded.append(i);
```

```
}  
}
```

```
return encoded.toString();
```

```
}
```

```
public static String decode(String enc, int offset)
```

```
{
```

```
return encode(enc, 26 - offset);
```

```
}
```

```
public static void main(String[] args) throws java.lang.
```

```
{
```

Encryption

```
String msg = "Anna university";
```

```
System.out.println("simulated message caesar cipher \n -----");
```

```
System.out.println("Input" + msg);
```

```
System.out.println("Encrypted message:");
```

```
System.out.println(caesar cipher.encode(msg, 3));
```

```
System.out.println("Decrypted message:");
```

```
System.out.println(caesar cipher.decode(caesar cipher.  
encoded(msg, 3), 3));
```

```
}
```

```
}
```

Output:

simulating message caesar cipher

Input: Anna university

Encrypted message: Dqqd xqlyhuvlwb

Decrypted message: Anna university

Result:

Thus the program for caesar cipher to encrypt and decrypt the message has been implemented successfully and the output is verified.



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ONLINE PROJECT SCHEDULE

Year / Semester : IV / VIII

Batch : 2017 – 21

Subject Code & Subject Name : CS8811 & Project Work

S.No.	Batch Number	Register Number	Name of the Student	Topic	Guide Name
1	1 (9.30am-9.45am)	920817104006	AISHWERYA SRI R	An Arduino Based Smart Water Channeling System to Farm Crops	Mrs. C. Kalpana, AP/CSE
2		920817104009	AMRUTHAA SHREE R		
3		920817104030	MANUSHA M		
4		920817104032	NAGAJOTHI C		
5	2 (9.50 am - 10.05 am)	920817104007	AJITH KUMAR P J K	DEFBOT (Definition Bot)	Mrs. C. Kalpana, AP/CSE
6		920817104008	ALAGURAJA R		
7		920817104010	ARUNKUMAR S		
8		920817104024	KODEESWARAN S		
9	3 (10.10 am - 10.25 am)	920817104017	GURUPRABU R	Tariff Stroll for Monetary Trading	Mrs. J.Prisca Mary, AP/CSE
10		920817104041	POOVENDRAN K		
11		920817104042	PRAKASH KUMAR S		
12		920817104047	SASTIANANDHAN M		
13	4 (10.30 am - 10.45 am)	920817104012	CHELLAPANDIAN R	Smart Agriculture	Mrs. J.Prisca Mary, AP/CSE
14		920817104015	DINESH KUMAR C		
15		920817104022	KAVIYARASAN A		
16		920817104038	NITHIS KANNA G		



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17	5 (10.50 am - 11.05 am)	920817104005	AISHWARYA R(12.12.99)	H-HR(Hand-Held Ring)	Mrs. J.Prisca Mary, AP/CSE
18		920817104051	VARSHA M		
19	6 (11.10 am - 11.25 am)	920817104025	KOUSHIK ROMEL J	A frame work for securing Decentralized Resources in cloud server using Block-Chain	Mrs. J.Prisca Mary, AP/CSE
20		920817104037	NELSON J		
21		920817104044	RAJADURAI R		
22	7 (11.30 am - 11.45 am)	920817104043	PREETHI A	Automatic Multi-purpose Helath and environment monitoring device for Covid 19	Mrs. V.Sujitha, AP/CSE
23		920817104039	PARAMESHWARI P		
24		920817104046	SANGEERANI P		
25	8 (11.50 - 12.05 am)	920817104018	GURURAJ B	"Photographic QR Cloud"	Mrs. V.Sujitha, AP/CSE
26		920817104020	JEGANATHAN R		
27		920817104028	MANOJ K		
28	9 (12.10 am - 12.25 am)	920817104004	AISHWARYA R (16.9.99)	Heart Disease Prediction	Mr.J.Dinesh, AP/CSE
29		920817104023	KEERTHANA G		
30		920817104029	MANOJ S		
31	10 (1.00 pm - 1.15 pm)	920817104036	NAVIN MANIKANDAN S	online forum	Mr.J.Dinesh, AP/CSE
32		920817104055	YOGESH KANNA S		
33	11 (1.20 pm - 1.35 pm)	920817104003	AISHWARYA A	e-devotinal Hub	Mr.J.Dinesh, AP/CSE
34		920817104052	VIJAYALAKSHMI S		
35	12 (1.40 pm - 1.55 pm)	920817104001	AARTHI R	Facemask Detection Using Convolutional Neural Networks	Mrs. C. Kalpana, AP/CSE
36		920817104021	KAVIYA B I		
37		920817104034	NATHIPRIYA K		
38		920817104045	ROFINA BEGAM N		



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39	13 (2.00 pm - 2.15 pm)	920817104002	ABIRAMI M	Online Voting System	Mrs. V.Sujitha, AP/CSE
40		920817104011	BONSIYA R		
41		920817104053	VIJAYA SHANTHI M		
42	14 (2.20 pm - 2.35 pm)	920817104035	NATHISHKUMAR R	Quantum Secure Encryption for Data Transfer Using Elgammal Algorithm	Mrs. C. Kalpana, AP/CSE
43		920817104040	POOVARASAN M		
44		920817104048	SHARMA A		
45	15 (2.40 pm - 2.55 pm)	920817104026	LOGESHWARI S	Alumini Tracking Management System	Mr.J.Dinesh, AP/CSE
46		920817104027	MADHUBALA S		
47		920817104049	SUBASRI S		


Project Coordinator


HoD - CSE



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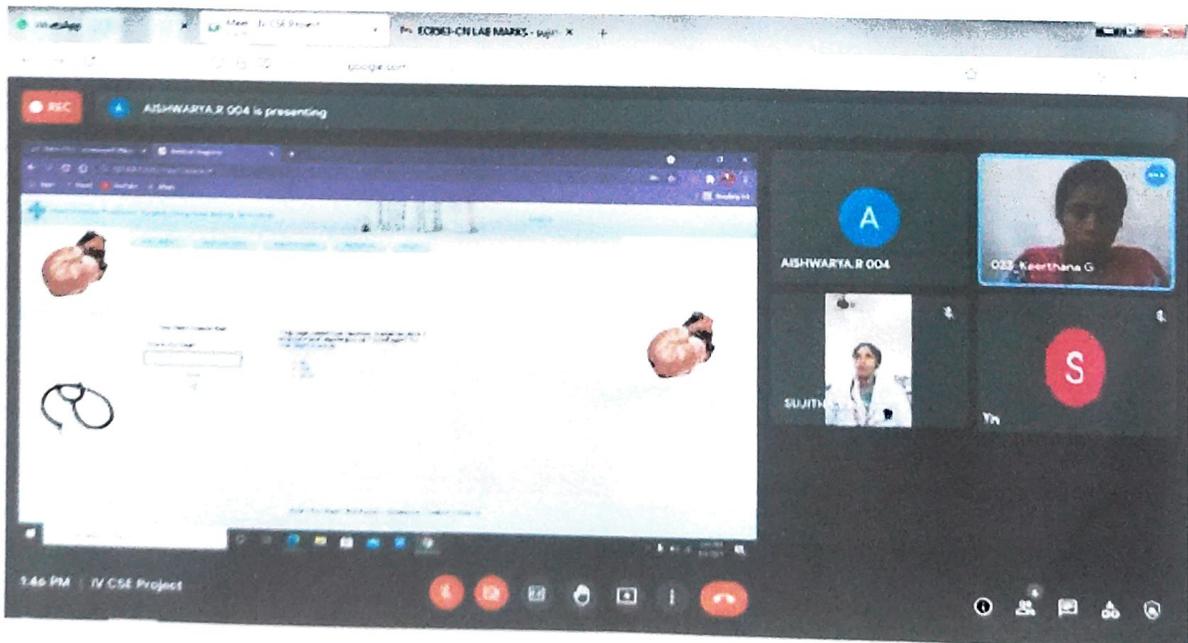
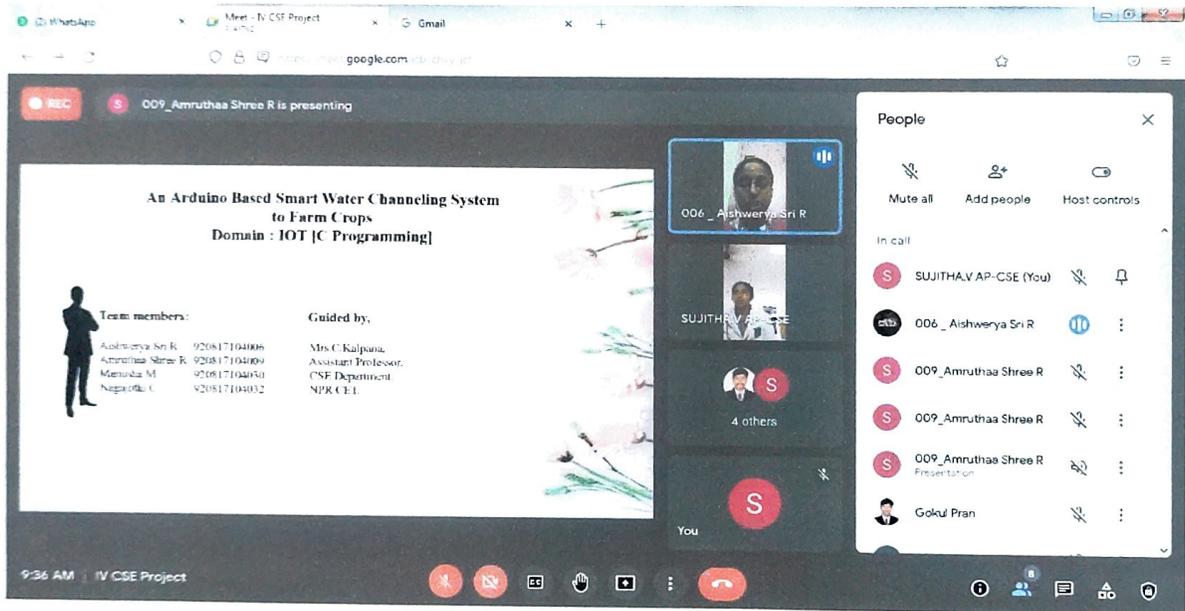
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ONLINE STUDENTS PROJECT VIVA – VOCE SCREENSHOTS

Year / Semester : IV / VIII

ACADEMIC YEAR : 2020 - 2021





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PROJECT REVIEW & MARKS

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

YEAR / SEM: IV/VIII

SUB.CODE & NAME: CS6811 & PROJECT WORK

REVIEW: 00

DATE: 29.12.2020

S.NO.	REGISTER NUMBER	NAME	PPT (10)	PRESENTATION (10)	ATTENDANCE (5)	TOTAL (25)
1	920817104001	AARTHI R	10	9	5	24
2	920817104002	ABIRAMI M	10	10	5	25
3	920817104003	AISHWARYA A	9	9	5	23
4	920817104004	AISHWARYA R	10	9	4	23
5	920817104005	AISHWARYA R	10	10	5	25
6	920817104006	AISHWERYA SRI R	10	9	5	24
7	920817104007	AJITH KUMAR P J K	10	9	5	24
8	920817104008	ALAGURAJA R	8	8	4	20
9	920817104009	AMRUTHAA SHREE R	10	9	5	24
10	920817104010	ARUNKUMAR S	8	6	4	18
11	920817104011	BONSIYA R	8	7	5	20
12	920817104012	CHELLAPANDIAN R	10	9	5	24
13	920817104015	DINESH KUMAR C	8	8	4	20
14	920817104017	GURUPRABU R	10	10	5	25
15	920817104018	GURURAJ B	9	10	5	24
16	920817104020	JEGANATHAN R	8	7	5	20
17	920817104021	KAVIYA B I	8	9	5	22
18	920817104022	KAVIYARASAN A	8	7	5	20
19	920817104023	KEERTHANA G	10	10	5	25
20	920817104024	KODEESWARAN S	8	7	4	19
21	920817104025	KOUSHIK ROMEL J	9	9	5	23
22	920817104026	LOGESHWARI S	8	9	5	22
23	920817104027	MADHUBALA S	8	9	4	21
24	920817104028	MANOJ K	10	9	5	24



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25	920817104029	MANOJ S	10	10	4	24
26	920817104030	MANUSHA M	10	10	5	25
27	920817104032	NAGAJOTHI C	10	10	5	25
28	920817104034	NATHIPRIYA K	10	10	5	25
29	920817104035	NATHISHKUMAR R	8	6	4	18
30	920817104036	NAVIN MANIKANDAN S	9	9	5	23
31	920817104037	NELSON J	8	8	4	20
32	920817104038	NITHIS KANNA G	9	9	5	23
33	920817104039	PARAMESHWARI P	10	10	5	25
34	920817104040	POOVARASAN M	9	7	4	20
35	920817104041	POOVENDRAN K	9	10	4	23
36	920817104042	PRAKASH KUMAR S	9	7	4	20
37	920817104043	PREETHI A	10	10	5	25
38	920817104044	RAJADURAI R	9	10	4	23
39	920817104045	ROFINA BEGAM N	10	10	5	25
40	920817104046	SANGEERANI P	10	10	5	25
41	920817104047	SASTIANANDHAN M	9	7	4	20
42	920817104048	SHARMA A	9	8	5	20
43	920817104049	SUBASRI S	9	10	4	23
44	920817104051	VARSHA M	10	10	5	25
45	920817104052	VIJAYALAKSHMI S	10	7	5	22
46	920817104053	VIJAYA SHANTHI M	10	9	4	23
47	920817104055	YOGESH KANNA S	9	10	5	24

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YEAR / SEM: IV/VIII

SUB.CODE & NAME: CS6811 & PROJECT WORK

REVIEW: 01

DATE: 18.01.2021

S.NO.	REGISTER NUMBER	NAME	PPT (10)	PRESENTATION (10)	ATTENDANCE (5)	TOTAL (25)
1	920817104001	AARTHI R	9	9	4	22
2	920817104002	ABIRAMI M	10	10	4	24
3	920817104003	AISHWARYA A	10	10	5	25
4	920817104004	AISHWARYA R	9	10	5	24
5	920817104005	AISHWARYA R	10	9	5	24
6	920817104006	AISHWERYA SRI R	10	10	5	25
7	920817104007	AJITH KUMAR P J K	10	10	5	25
8	920817104008	ALAGURAJA R	10	10	4	24
9	920817104009	AMRUTHAA SHREE R	10	10	5	25
10	920817104010	ARUNKUMAR S	9	10	5	24
11	920817104011	BONSIYA R	10	9	5	24
12	920817104012	CHELLAPANDIAN R	9	9	5	23
13	920817104015	DINESH KUMAR C	10	9	5	24
14	920817104017	GURUPRABU R	10	9	5	24
15	920817104018	GURURAJ B	10	10	5	25
16	920817104020	JEGANATHAN R	10	10	4	24
17	920817104021	KAVIYA B I	9	10	5	24
18	920817104022	KAVIYARASAN A	10	9	5	24
19	920817104023	KEERTHANA G	10	10	5	25
20	920817104024	KODEESWARAN S	9	10	5	24
21	920817104025	KOUSHIK ROMEL J	10	8	5	23
22	920817104026	LOGESHWARI S	10	10	4	24
23	920817104027	MADHUBALA S	10	9	5	24
24	920817104028	MANOJ K	10	10	5	25
25	920817104029	MANOJ S	10	10	5	25
26	920817104030	MANUSHA M	9	10	5	24



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27	920817104032	NAGAJOTHI C	10	10	5	25
28	920817104034	NATHIPRIYA K	10	10	4	24
29	920817104035	NATHISHKUMAR R	10	8	4	22
30	920817104036	NAVIN MANIKANDAN S	10	10	5	25
31	920817104037	NELSON J	10	9	5	24
32	920817104038	NITHIS KANNA G	9	10	4	23
33	920817104039	PARAMESHWARI P	9	10	5	24
34	920817104040	POOVARASAN M	10	9	5	24
35	920817104041	POOVENDRAN K	10	9	4	23
36	920817104042	PRAKASH KUMAR S	9	10	5	24
37	920817104043	PREETHI A	10	9	5	24
38	920817104044	RAJADURAI R	9	10	4	23
39	920817104045	ROFINA BEGAM N	9	10	5	24
40	920817104046	SANGEERANI P	10	9	5	24
41	920817104047	SASTIANANDHAN M	10	10	4	24
42	920817104048	SHARMA A	10	9	5	24
43	920817104049	SUBASRI S	9	10	5	24
44	920817104051	VARSHA M	10	9	5	24
45	920817104052	VIJAYALAKSHMI S	10	10	4	24
46	920817104053	VIJAYA SHANTHI M	9	10	5	24
47	920817104055	YOGESH KANNA S	10	9	5	24


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YEAR / SEM: IV/VIII

SUB.CODE & NAME: CS6811 & PROJECT WORK

REVIEW: 02

DATE: 11.02.2021

S.NO.	REGISTER NUMBER	NAME	PPT (10)	PRESENTATION (10)	ATTENDANCE (5)	TOTAL (25)
1	920817104001	AARTHI R	10	10	4	24
2	920817104002	ABIRAMI M	8	10	5	23
3	920817104003	AISHWARYA A	10	10	5	25
4	920817104004	AISHWARYA R	9	9	5	23
5	920817104005	AISHWARYA R	10	10	5	25
6	920817104006	AISHWERYA SRI R	10	10	5	25
7	920817104007	AJITH KUMAR P J K	10	10	5	25
8	920817104008	ALAGURAJA R	10	8	5	23
9	920817104009	AMRUTHAA SHREE R	10	10	5	25
10	920817104010	ARUNKUMAR S	10	5	5	20
11	920817104011	BONSIYA R	10	8	5	23
12	920817104012	CHELLAPANDIAN R	9	9	4	22
13	920817104015	DINESH KUMAR C	7	6	5	18
14	920817104017	GURUPRABU R	10	9	5	24
15	920817104018	GURURAJ B	9	10	5	24
16	920817104020	JEGANATHAN R	7	7	4	18
17	920817104021	KAVIYA B I	10	10	4	24
18	920817104022	KAVIYARASAN A	7	7	5	19
19	920817104023	KEERTHANA G	10	10	5	25
20	920817104024	KODEESWARAN S	10	5	5	20
21	920817104025	KOUSHIK ROMEL J	10	8	5	23
22	920817104026	LOGESHWARI S	10	9	5	24
23	920817104027	MADHUBALA S	10	9	5	24
24	920817104028	MANOJ K	10	10	5	25
25	920817104029	MANOJ S	10	10	4	24
26	920817104030	MANUSHA M	10	10	5	25



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27	920817104032	NAGAJOTHI C	10	10	4	24
28	920817104034	NATHIPRIYA K	9	9	5	23
29	920817104035	NATHISHKUMAR R	8	8	4	20
30	920817104036	NAVIN MANIKANDAN S	9	10	5	24
31	920817104037	NELSON J	7	7	5	19
32	920817104038	NITHIS KANNA G	10	8	5	23
33	920817104039	PARAMESHWARI P	10	8	5	23
34	920817104040	POOVARASAN M	9	6	4	19
35	920817104041	POOVENDRAN K	9	10	4	23
36	920817104042	PRAKASH KUMAR S	7	7	5	19
37	920817104043	PREETHI A	10	10	5	25
38	920817104044	RAJADURAI R	10	8	5	23
39	920817104045	ROFINA BEGAM N	10	10	5	25
40	920817104046	SANGEERANI P	10	10	5	25
41	920817104047	SASTIANANDHAN M	9	6	4	19
42	920817104048	SHARMA A	10	5	4	19
43	920817104049	SUBASRI S	10	9	5	24
44	920817104051	VARSHA M	10	10	5	25
45	920817104052	VIJAYALAKSHMI S	10	10	5	25
46	920817104053	VIJAYA SHANTHI M	9	10	5	24
47	920817104055	YOGESH KANNA S	10	8	5	23

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

YEAR / SEM: IV/VIII

SUB.CODE & NAME: CS6811 & PROJECT WORK

REVIEW: 03

DATE: 10.03.2021

S.NO.	REGISTER NUMBER	NAME	PPT (10)	PRESENTATION (10)	ATTENDANCE (5)	TOTAL (25)
1	920817104001	AARTHI R	10	10	5	25
2	920817104002	ABIRAMI M	10	10	5	25
3	920817104003	AISHWARYA A	10	10	5	25
4	920817104004	AISHWARYA R	10	10	4	24
5	920817104005	AISHWARYA R	9	10	5	24
6	920817104006	AISHWERYA SRI R	10	10	5	25
7	920817104007	AJITH KUMAR P J K	10	10	5	25
8	920817104008	ALAGURAJA R	10	10	5	25
9	920817104009	AMRUTHAA SHREE R	10	10	5	25
10	920817104010	ARUNKUMAR S	10	10	5	25
11	920817104011	BONSIYA R	10	10	5	25
12	920817104012	CHELLAPANDIAN R	10	9	5	24
13	920817104015	DINESH KUMAR C	10	10	5	25
14	920817104017	GURUPRABU R	10	10	5	25
15	920817104018	GURURAJ B	10	8	5	23
16	920817104020	JEGANATHAN R	10	10	5	25
17	920817104021	KAVIYA B I	10	10	4	24
18	920817104022	KAVIYARASAN A	10	10	5	25
19	920817104023	KEERTHANA G	10	10	5	25
20	920817104024	KODEESWARAN S	10	10	5	25
21	920817104025	KOUSHIK ROMEL J	9	9	4	22
22	920817104026	LOGESHWARI S	9	10	5	24
23	920817104027	MADHUBALA S	10	10	4	24
24	920817104028	MANOJ K	10	10	5	25
25	920817104029	MANOJ S	10	8	5	23
26	920817104030	MANUSHA M	10	10	5	25



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27	920817104032	NAGAJOTHI C	10	10	5	25
28	920817104034	NATHIPRIYA K	10	10	5	25
29	920817104035	NATHISHKUMAR R	10	10	5	25
30	920817104036	NAVIN MANIKANDAN S	10	8	5	23
31	920817104037	NELSON J	10	10	5	25
32	920817104038	NITHIS KANNA G	10	8	4	22
33	920817104039	PARAMESHWARI P	9	10	5	24
34	920817104040	POOVARASAN M	10	10	5	25
35	920817104041	POOVENDRAN K	9	10	4	23
36	920817104042	PRAKASH KUMAR S	9	8	5	22
37	920817104043	PREETHI A	10	9	5	24
38	920817104044	RAJADURAI R	9	10	4	23
39	920817104045	ROFINA BEGAM N	10	9	5	24
40	920817104046	SANGEERANI P	10	10	5	25
41	920817104047	SASTIANANDHAN M	10	10	5	25
42	920817104048	SHARMA A	9	8	5	22
43	920817104049	SUBASRI S	10	9	4	23
44	920817104051	VARSHA M	10	10	5	25
45	920817104052	VIJAYALAKSHMI S	10	10	5	25
46	920817104053	VIJAYA SHANTHI M	10	8	5	23
47	920817104055	YOGESH KANNA S	10	8	5	23

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PROJECT COORDINATOR

[Handwritten Signature]
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 <p>NPR Reach the Star</p>	<p align="center">NPR College of Engineering & Technology NPR Nagar, Natham, Dindigul - 624401, Tamil Nadu, India Approved by AICTE, New-Delhi & Affiliated to Anna University, Chennai. An ISO 9001:2015 Certified Institution. Phone No. 04544- 246 500, 246501, 246502. Website : www.nprcolleges.org, www.nprcet.org, Email:nprcetprincipal@nprcolleges.org</p>	
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

YEAR / SEM: IV/VIII

SUB.CODE & NAME: CS6811 & PROJECT WORK

PROJECT REVIEW CONSOLIDATED MARKS

S.NO.	REGISTER NUMBER	NAME	ZEROTH REVIEW	1 ST REVIEW	2 ND REVIEW	3 RD REVIEW	FINAL MARKS
1	920817104001	AARTHI R	24	22	24	25	95
2	920817104002	ABIRAMI M	25	24	23	25	97
3	920817104003	AISHWARYA A	23	25	25	25	98
4	920817104004	AISHWARYA R	23	24	23	24	94
5	920817104005	AISHWARYA R	25	24	25	24	98
6	920817104006	AISHWERYA SRI R	24	25	25	25	99
7	920817104007	AJITH KUMAR P J K	24	25	25	25	99
8	920817104008	ALAGURAJA R	20	24	23	25	92
9	920817104009	AMRUTHAA SHREE R	24	25	25	25	99
10	920817104010	ARUNKUMAR S	18	24	20	25	87
11	920817104011	BONSIYA R	20	24	23	25	92
12	920817104012	CHELLAPANDIAN R	24	23	22	24	93
13	920817104015	DINESH KUMAR C	20	24	18	25	87
14	920817104017	GURUPRABU R	25	24	24	25	98
15	920817104018	GURURAJ B	24	25	24	23	96
16	920817104020	JEGANATHAN R	20	24	18	25	87
17	920817104021	KAVIYA B I	22	24	24	24	95
18	920817104022	KAVIYARASAN A	20	24	19	25	88
19	920817104023	KEERTHANA G	25	25	25	25	93
20	920817104024	KODEESWARAN S	19	24	20	25	88
21	920817104025	KOUSHIK ROMEL J	23	23	23	22	91
22	920817104026	LOGESHWARI S	22	24	24	24	95
23	920817104027	MADHUBALA S	21	24	24	24	94
24	920817104028	MANOJ K	24	25	25	25	99



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25	920817104029	MANOJ S	24	25	24	23	96
26	920817104030	MANUSHA M	25	24	25	25	99
27	920817104032	NAGAJOTHI C	25	25	24	25	99
28	920817104034	NATHIPRIYA K	25	24	23	25	97
29	920817104035	NATHISHKUMAR R	18	22	20	25	85
30	920817104036	NAVIN MANIKANDAN S	23	25	24	23	95
31	920817104037	NELSON J	20	24	19	25	88
32	920817104038	NITHIS KANNA G	23	23	23	22	91
33	920817104039	PARAMESHWARI P	25	24	23	24	96
34	920817104040	POOVARASAN M	20	24	19	25	88
35	920817104041	POOVENDRAN K	23	23	23	23	92
36	920817104042	PRAKASH KUMAR S	20	24	19	22	85
37	920817104043	PREETHI A	25	24	25	24	98
38	920817104044	RAJADURAI R	23	23	23	23	92
39	920817104045	ROFINA BEGAM N	25	24	25	24	98
40	920817104046	SANGEERANI P	25	24	25	25	99
41	920817104047	SASTIANANDHAN M	20	24	19	25	88
42	920817104048	SHARMA A	20	24	19	22	85
43	920817104049	SUBASRI S	23	24	24	23	94
44	920817104051	VARSHA M	25	24	25	25	99
45	920817104052	VIJAYALAKSHMI S	22	24	25	25	96
46	920817104053	VIJAYA SHANTHI M	23	24	24	23	94
47	920817104055	YOGESH KANNA S	24	24	23	23	94


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