



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



CRITERION 1-CURRICULAR ASPECTS

KEY INDICATOR 1.1-CURRICULUM PLANNING & IMPLEMENTATION

Metric No 1.1.1.The Institution ensures effective curriculum delivery through a well-planned and documented process

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PRINCIPAL

Dr. J.SUNDARARAJAN,

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

Principal

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



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ACADEMIC SCHEDULE FROM AFFILIATING UNIVERSITY –ANNA UNIVERSITY

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



[Signature]
DIRECTOR
ACADEMIC COURSES

[Signature]
Dr. J.SUNDARARAJAN,
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 Principal

N.P.R. College of Engineering & Technology
 Natham, Chennai

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

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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.**



R. Srinivasan
13/11/2020
DIRECTOR i/c
CENTRE FOR ACADEMIC COURSES

J. Sundararajan
Dr. J.SUNDARARAJAN,
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Date: 21.01.2021

CENTRE FOR ACADEMIC COURSES
ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

December 2020 – May 2021 (Even Semester – Final Semester*)

UG & PG Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	VIII	14.12.2020	12.04.2021**	15.04.2021	26.04.2021
2.	B.Arch. (Full-Time)	X				
3.	M.E. / M.Tech. / M.Arch.(FT)	IV				
4.	M.C.A. (Full-Time)	VI				
5.	M.B.A. (FT)	IV				
6.	M.Sc. (5 Yrs-Integrated)	X				
7.	M.B.A. (5 Yrs-Integrated)	X				

*** Odd Semester - End Semester Examinations Holidays from 01.02.2021 to 17.02.2021.**

NOTE:

1. The 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 8 Saturdays are declared as working days.**

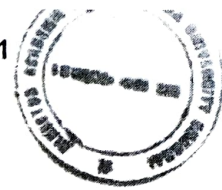
Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed	Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	20.02.2021	Friday	5.	20.03.2021	Monday
2.	27.02.2021	Tuesday	6.	27.03.2021	Tuesday
3.	06.03.2021	Wednesday	7.	03.04.2021	Wednesday
4.	13.03.2021	Friday	8.	10.04.2021	Thursday

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21.1.2021
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ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

February 2021 – June 2021 (Even Semester – Except II & Final Semester)*

UG & PG Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	IV,VI	18.02.2021	21.05.2021**	24.05.2021	02.06.2021
2.	B.E. / B.Tech (Part-Time)	IV,VI				
3.	B.Arch. (Full-Time)	IV,VI,VIII				
4.	M.C.A. (Full-Time)	IV				
5.	M.Sc. (5 Yrs-Integrated)	IV,VI,VIII				
6.	M.B.A. (5 Yrs-Integrated)	IV,VI,VIII				

* 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: 01.07.2021 (Thursday)

NOTE:

1. The 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 12 Saturdays are declared as working days.

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed	Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	20.02.2021	Friday	7.	03.04.2021	Wednesday
2.	27.02.2021	Tuesday	8.	10.04.2021	Thursday
3.	06.03.2021	Wednesday	9.	17.04.2021	Friday
4.	13.03.2021	Friday	10.	24.04.2021	Monday
5.	20.03.2021	Monday	11.	08.05.2021	Tuesday
6.	27.03.2021	Tuesday	12.	15.05.2021	Wednesday

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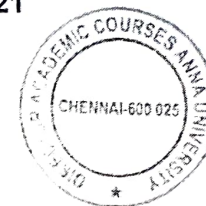
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Wg
21.1.2021
DIRECTOR
ACADEMIC COURSES

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ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES**May 2021 – August 2021 (EVEN SEMESTER – II 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.(FT)	II	03.05.2021	06.08.2021**	09.08.2021	23.08.2021
2.	M.B.A. (5 Yrs-Integrated)	II				
3.	M.E. / M. Tech. / M. Arch.(FT)	II				

* 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: 27.09.2021 (Monday)

- Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).

** 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.	08.05.2021	Tuesday
2.	22.05.2021	Thursday
3.	05.06.2021	Monday
4.	19.06.2021	Wednesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
5.	03.07.2021	Friday
6.	17.07.2021	Monday
7.	31.07.2021	Tuesday

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U. J.
30-4-2021
**DIRECTOR
ACADEMIC COURSES**



CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

April 2021 – July 2021 (EVEN SEMESTER – II Semester)*

UG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	II	08.04.2021	08.07.2021**	10.07.2021	22.07.2021
2.	B.Arch. (Full-Time)	II				
3.	B.E./ B.Tech. (Part Time)	II				

* 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: 16.08.2021 (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/PT))	Time Table of the Week Day to be Followed
1.	10.04.2021	Thursday
2.	17.04.2021	Friday
3.	24.04.2021	Monday
4.	08.05.2021	Tuesday
5.	15.05.2021	Wednesday
6.	22.05.2021	Thursday

Sl. No.	Working Days (Saturdays for UG (FT/PT))	Time Table of the Week Day to be Followed
7.	29.05.2021	Friday
8.	05.06.2021	Monday
9.	12.06.2021	Tuesday
10.	19.06.2021	Wednesday
11.	26.06.2021	Thursday
12.	03.07.2021	Friday

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31.3.2021
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CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

April 2021 – July 2021 (EVEN SEMESTER – II Semester)*

UG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	II	08.04.2021	08.07.2021**	10.07.2021	22.07.2021
2.	B.Arch. (Full-Time)	II				
3.	B.E./ B.Tech. (Part Time)	II				

* 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: 16.08.2021 (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/PT))	Time Table of the Week Day to be Followed
1.	10.04.2021	Thursday
2.	17.04.2021	Friday
3.	24.04.2021	Monday
4.	08.05.2021	Tuesday
5.	15.05.2021	Wednesday
6.	22.05.2021	Thursday

Sl. No.	Working Days (Saturdays for UG (FT/PT))	Time Table of the Week Day to be Followed
7.	29.05.2021	Friday
8.	05.06.2021	Monday
9.	12.06.2021	Tuesday
10.	19.06.2021	Wednesday
11.	26.06.2021	Thursday
12.	03.07.2021	Friday

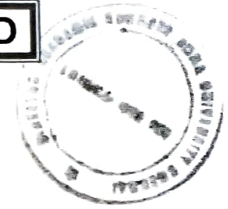
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31.3.2021
DIRECTOR
ACADEMIC COURSES

Date: 06.02.2021

REVISED**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.(FT)	I	09.12.2020	13.03.2021**	15.03.2021	24.03.2021
2.	M.B.A. (5 Yrs-Integrated)	I				
3.	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

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**DIRECTOR
ACADEMIC COURSES**

UJ 6/2/2021



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SUBJECT WILLINGNESS



NPR College of Engineering & Technology

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DEPARTMENT OF CIVIL ENGINEERING

SUBJECT WILLINGNESS LIST

Academic Year: 2020-2021

Course: B.E/M.E

Semester: ODD

S.NO	Faculty name	Subject code & Name	Year & Branch	Signature
1	Mr.V.Muthukumar Head of the Department	CE8701-Estimation, Costing and Valuation Engineering	IV/BE	V. Muthukumar
		EN 8491 -Water supply Engineering	III/BE	
		CE8591-Foundation Engineering	III/BE	
2	Mr. K.Karuppasamy Assistant Professor	EN8591- Municipal Solid Waste Management	IV/BE	K. Karuppasamy
		CE 8351 - Surveying	II/BE	
		CE8701-Estimation, Costing and Valuation Engineering	IV/BE	
		CE 8591 - Foundation Engineering	III/BE	
		CE8513 - Survey Camp	III/BE	
3	Mr.U.Karthick Assistant Professor	CE 8361 -Surveying Laboratory	II/BE	U. Karthick
		CE 8351 - Surveying	II/BE	
		CE 8502 - Structural Analysis I	III/BE	
		OAI551 - Environment and Agriculture	III/BE	
		CE 8501 - Design of Reinforced Concrete Elements	III/BE	
4	Mr.S.Alagu Dharmaraj Assistant Professor	CE 8361 -Surveying Laboratory	II/BE	S. Alagu
		CE 8511 - Soil Mechanics Lab	III/BE	
		CE 8703-Structural Design & Drawing	IV/BE	
		CE8301 - Strength of Materials I	II/BE	
		OAI551 - Environment and Agriculture	III/BE	
		CE 8502 - Structural Analysis I	III/BE	
5	Mrs.C.Selvi Assistant Professor	CE 8311 - Construction Materials Laboratory	II/BE	C. Selvi
		CE 8361 -Surveying Laboratory	II/BE	
		CE8301 - Strength of Materials I	II/BE	
		OAI551 - Environment and Agriculture	III/BE	
6	Ms.S.Gayathri Assistant Professor	CE 8511 - Soil Mechanics Lab	III/BE	S. Gayathri
		CE 8512 - Water and Waste water analysis Lab	III/BE	
		ST 5002- Prefabricated Structures	I/ME	
		ST 5101-Advanced Concrete Structures	I/ME	
7	Mr.K.Shanthakumar	ST 5102- Dynamics of Structures	I/ME	K. Shanthakumar
		CE 8511 - Soil Mechanics Lab	III/BE	
		CE 8502 - Structural Analysis I	III/BE	



	Assistant Professor	ST 5102- Dynamics of Structures	I/ME	
		ST 5002- Prefabricated Structures	I/ME	
		ST 5101-Advanced Concrete Structures	I/ME	
8	Mr.K.Selvam Assistant Professor	CE8591-Foundation Engineering	III/BE	G
		CE 8392 – Engineering Geology	II/BE	
		CE8301 – Strength of Materials I	II/BE	
		CE 8501 – Design of Reinforced Concrete Elements	III/BE	
		CE 8311 – Construction Materials Laboratory	II/BE	
		CE8513 – Survey Camp	III/BE	
9	Mr.C.Vijayakumar Assistant Professor	CE8301 – Strength of Materials I	II/BE	Vijayakumar
		EN 8491 –Water supply Engineering	III/BE	
		CE 8391 - Construction Materials	II/BE	
		CE 8302-Fluid Mechanics	II/BE	
		CE 6712 – Design Project	IV/BE	
		CE 8512 – Water and Waste water analysis Lab	III/BE	
10	Mr.P.Manikandan Assistant Professor	CE8701-Estimation, Costing and Valuation Engineering	IV/BE	P
		CE 8501 – Design of Reinforced Concrete Elements	III/BE	
		EN 8491 –Water supply Engineering	III/BE	
		CE 8391 - Construction Materials	II/BE	
		CE 6712 – Design Project	IV/BE	
		CE 8311 – Construction Materials Laboratory	II/BE	
11	Mr.N.Karthic Assistant Professor	CE 8302-Fluid Mechanics	II/BE	N
		EN 8491 –Water supply Engineering	III/BE	
		CE 8391 - Construction Materials	II/BE	
		CE 8311 – Construction Materials Laboratory	II/BE	
		CE 8511 - Soil Mechanics Lab	III/BE	
12	Ms.E.Madhu mathiSuriya Assistant Professor	CE 8302-Fluid Mechanics	II/BE	E
		CE8702-Railways, Airports, Docks and Harbour Engineering	IV/BE	
		EN 8491 –Water supply Engineering	III/BE	
		CE 8391 - Construction Materials	II/BE	
		CE 6712 – Design Project	IV/BE	
		CE 8512 – Water and Waste water analysis Lab	III/BE	
13	Mr.P.Gowri Prasad Assistant Professor	ST 5013-Theory of Elasticity and Plasticity	I/ME	P
		ST 5001-Maintenance and Rehabilitation of structures	I/ME	
		ST 5002- Prefabricated Structures	I/ME	
		ST 5101-Advanced Concrete Structures	I/ME	
14	Mr.P.Balamurugan Assistant Professor	OA1551 – Environment and Agriculture	III/BE	P
		CE 8392 – Engineering Geology	II/BE	
		CE8703-Structural Design and Drawing	IV/BE	
		GI 8013 – Advanced Surveying	III/BE	
		CE 6712 – Design Project	IV/BE	
		CE 8311 – Construction Materials Laboratory	II/BE	



15	Mr.S.Darwin Assistant Professor	OMI 551- Testing of Materials GI 8013 - Advanced Surveying CE 8302-Fluid Mechanics EN 8491 - Water supply Engineering	IV/BE III/BE II/BE III/BE	
16	Mrs.S.Premasundari Assistant Professor	CE 6712 - Design Project CE 8391 - Construction Materials GI 8013 - Advanced Surveying CE 8591 - Foundation Engineering EN 8491 - Water supply Engineering CE 8391 - Construction Materials CE 8311 - Construction Materials Laboratory CE 8511 - Soil Mechanics Lab	IV/BE II/BE III/BE III/BE III/BE II/BE II/BE III/BE	
17	Mr.K.Meiyalakan Assistant Professor	EN 8491 - Water supply Engineering CE 8702-Railways,Airports, Docks and Harbour Engineering CE 8391 - Construction Materials CE 6712 - Design Project CE 8311 - Construction Materials Laboratory CE 8512 - Water and Waste water analysis Lab	IV/BE II/BE IV/BE II/BE III/BE	
18	Mr.V.Prakash Assistant Professor	CE 8711-Creative and Innovative Project CE 8501 - Design of Reinforced Concrete Elements EN 8491 - Water supply Engineering CE 8391 - Construction Materials CE 6712 - Design Project CE 8311 - Construction Materials Laboratory	IV/BE III/BE III/BE II/BE IV/BE II/BE	
19	Mrs.A.Saranya Jenifer Assistant Professor	CE 8702-Railways,Airports, Docks and Harbour Engineering CE 8392 - Engineering Geology CE8703-Structural Design and Drawing	IV/BE II/BE IV/BE	
20	Mr.V.Ganesh Ram Assistant Professor	CE 8392 - Engineering Geology CE8301 - Strength of Materials I OAI551 - Environment and Agriculture CE 8502 - Structural Analysis I	II/BE II/BE III/BE III/BE	
21	Mr.T.K.Prasanna Assistant Professor	CE 8512 - Water and Waste water analysis Lab CE 8501 - Design of Reinforced Concrete Elements CE 8361 -Surveying Laboratory CE 8511 - Soil Mechanics Lab	III/BE III/BE II/BE III/BE	

V. Suresh
HOD-CIVIL

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J.S.
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DEPARTMENT OF CIVIL ENGINEERING SUBJECT WILLINGNESS LIST Course: B.E./M.E

Academic Year: 2020-2021

Semester: Even

S.No.	Name of Faculty	Subject Code and Name	Year / Branch	Signature
1	Dr.A.Hemalatha	CE8018 - Geo-Environmental Engineering	IV/BE	[Signature]
		CE 8403 - Applied Hydraulic Engineering	II/BE	
2	Mr.V.Muthukumar	CE8491 - Soil Mechanics	II/BE	[Signature]
		CE 8603-Irrigation Engineering	III/BE	
		CE 8404 - Concrete Technology	II/BE	
		CE 8611- Highway Engineering Laboratory	III/BE	
		CE 6811 - Project Work	IV/BE	
		CE 8001 -Ground Improvement Techniques	III/BE	
3	Mr. K. Karuppasamy	CE8018 - Geo-Environmental Engineering	IV/BE	[Signature]
		CE 8404 - Concrete Technology	II/BE	
		CE 8403 - Applied Hydraulic Engineering	II/BE	
		CE 8481-Strength of materials laboratory	II/BE	
		CE 8461 -Hydraulic Engineering Laboratory	II/BE	
		ST 5201-Advanced Steel Structures	I/ME	
4	Mr.P.Gowri Prasad	ST 5211-Advanced Structural Engineering	I/ME	[Signature]
		Laboratory		
5	Mr.U.Karthick	CE 8811 - Project Work	IV/BE	[Signature]
		CE 8601 - Design of Steel Structural elements	III/BE	
		CE 8603-Irrigation Engineering	III/BE	
		CE 8404 - Concrete Technology	II/BE	
6	Mr.S Alaghu Dharmaraj	CE 8603-Irrigation Engineering	III/BE	[Signature]
		EN8592-Waste water Engineering	III/BE	
		CE 8601 - Design of Steel Structural elements	III/BE	
		CE 8611- Highway Engineering Laboratory	III/BE	
		CE8211-Computer Aided building drawing	I/BE	
7	Mrs.C.Selvi	BE 8252-Basic Civil and Mechanical Engineering	I/BE	[Signature]
		CE 8604-Highway Engineering	III/BE	
		CE 8404 - Concrete Technology	II/BE	
		CE8211-Computer Aided building drawing	I/BE	
		CE 8461 - Hydraulic Engineering Laboratory	II/BE	
8	Ms.Gayathri	ST5203-Experimental Techniques	I/ME	[Signature]
		ST 5008-Industrial Structures	I/ME	
		ST5204-Finite Element Analysis	I / ME	
		ST 5009-Prestressed concrete Structures	I/ME	
		ST 5212-Practical Training-I	I/ME	
9	Mr.K.Shanthakumar	CE 8602 - Structural Analysis II	III/BE	[Signature]
		CE 8601 - Design of Steel Structural elements	III/BE	
		CE 8612-Irrigation and Environmental	III/BE	



		Engineering drawing		
		ST5203-Experimental Techniques	I/ME	
		ST5204-Finite Element Analysis	I/ME	
10	Mr.K.Selvam	CE8401 - Construction Techniques and Practices	II/BE	
		BE 8252-Basic Civil and Mechanical Engineering	I/BE	
		CE 8611- Highway Engineering Laboratory	III/BE	
		CE 8461 - Hydraulic Engineering Laboratory	II/BE	
		CE 8403 - Applied Hydraulic Engineering	II/BE	
		CE 8603-Irrigation Engineering	III/BE	
11	Mr.C.Vijayakumar	CE8020 -Maintenance, Repair and Rehabilitation of Structures	IV/BE	
		CE 8604-Highway Engineering	III/BE	
		CE 8404 - Concrete Technology	II/BE	
		CE 8612-Irrigation and Environmental Engineering drawing	III/BE	
		CE8481- Strength of materials Laboratory	II/BE	
		CE 8404 - Concrete Technology	II/BE	
12	Mr.P.Manikandan	CE 8612-Irrigation and Environmental Engineering drawing	III/BE	
		BE 8252-Basic Civil and Mechanical Engineering	I/BE	
		CE 8404 - Concrete Technology	II/BE	
		CE 8611- Highway Engineering Laboratory	III/BE	
		CE8481- Strength of materials Laboratory	II/BE	
		CE 8604-Highway Engineering	III/BE	
13	Mr.N.Karthic	CE 8403 - Applied Hydraulic Engineering	II/BE	
		EN8592-Waste water Engineering	III/BE	
		CE 8404 - Concrete Technology	II/BE	
		CE8481- Strength of materials Laboratory	II/BE	
		CE 8403 - Applied Hydraulic Engineering	II/BE	
		CE 8601 - Design of Steel Structural elements	III/BE	
14	Ms.E.MadhumadhiSuriya	CE8018 - Geo-Environmental Engineering	IV/BE	
		CE 8611- Highway Engineering Laboratory	III/BE	
		CE 8461 - Hydraulic Engineering Laboratory	II/BE	
		CE8018 - Geo-Environmental Engineering	IV/BE	
15	Ms.A.Saranya Jenifer	CE 8403 - Applied Hydraulic Engineering	II/BE	
		EN8592-Waste water Engineering	III/BE	
		CE8020 -Maintenance, Repair and Rehabilitation of Structures	IV/BE	
		CE 8461 - Hydraulic Engineering Laboratory	II/BE	
		CE 8402-Strength of Materials-II	II/BE	
17	Mr.TK.Prasanna	EN8592-Waste water Engineering	III/BE	
		CE 8403 - Applied Hydraulic Engineering	II/BE	
		CE 8611- Highway Engineering Laboratory	III/BE	
		CE 8811 - Project Work	IV/BE	
	Mrs.S.Premasundari	BE 8252-Basic Civil and Mechanical	I/BE	

18		Engineering		
		CE8018 - Geo-Environmental Engineering	IV/BE	
		CE 8403 – Applied Hydraulic Engineering	II/BE	
		CE 8611- Highway Engineering Laboratory	III/BE	
		CE 8811 – Project Work	IV/BE	
19	Mr.S.Darwin	EN8592-Waste water Engineering	III/BE	
		CE8018 - Geo-Environmental Engineering	IV/BE	
		CE8020 -Maintenance, Repair and Rehabilitation of Structures	IV/BE	
		CE 8403 – Applied Hydraulic Engineering	II/BE	
		CE 8461 - Hydraulic Engineering Laboratory		
20	Mr.S.Ponrasu	ST5202-Stability of Structures	I/ME	
		ST 5009-Prestressed concrete Structures	I/ME	
		ST 5212-Practical Training-I	I/ME	
		CE 8403 – Applied Hydraulic Engineering	II/BE	
		CE 8811 – Project Work	IV/BE	
21	Mr.P.Balamurugan	CE8020 -Maintenance, Repair and Rehabilitation of Structures	IV/BE	
		BE 8252-Basic Civil and Mechanical Engineering	I/BE	
		EN8592-Waste water Engineering	III/BE	
		CE 8403 – Applied Hydraulic Engineering	II/BE	
23	Mr.V.Ganesh ram	CE8811 - Project Work	IV/BE	
		CE8018 - Geo-Environmental Engineering	IV/BE	
		BE 8252-Basic Civil and Mechanical Engineering	I/BE	
		CE 8611- Highway Engineering Laboratory	III/BE	

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WORKLOAD FOR FACULTY



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Course: B.E/M.E

WORK LOAD DETAILS- Academic year: 2020-2021
 Department: Civil Engineering

Semester: ODD

S.No.	Name of Faculty & Designation	Subject Code and Name	Year / Branch	Teaching Load				Department Work	Signature
				L	T	P	Total		
1	Mr.V.Muthukumar Head of the Department	CE8701-Estimation ,Costing and Valuation Engineering	IV/BE	7	0	0	7	1.HOD 2.Anti-Ragging In-charge	V. Muthu
2	Mr. K.Karuppasamy Assistant Professor	EN8591- Municipal Solid Waste Management	IV/BE	7	0	0	7	1.Hod I/C 2.Time Table In-charge	K. Karuppasamy
3	Mr.U.Karthick Assistant Professor	CE 8351 – Surveying	II/BE	5	0	0	8	1.Alumni In-charge	U. Karthick
		CE 8361 –Surveying Laboratory	II/BE	0	0	3			
4	Mr.S.Alagu Dharmaraj Assistant Professor	CE 8703-Structural Design & Drawing	IV/BE	7	0	0	7	1.Department library In charge	S. Alagu
5	Mrs.C.Selvi Assistant Professor	CE 8511 - Soil Mechanics Lab	III/BE	0	0	3	3	1. Soil Lab In-charge	C. Selvi
6	Ms.S.Gayathri Assistant Professor	ST 5002- Prefabricated Structures	I/ME	7	0	0	14	1.Advanced Structural lab In-charge	S. Gayathri
		ST 5101-Advanced Concrete Structures	I/ME	7	0	0			
7	Mr.K.Shanthakumar Assistant Professor	CE 8502 - Structural Analysis I	III/BE	6	0	0	13	1.Exam cell In-charge 2.ME Class In-charge	K. Shanthy
		ST 5102- Dynamics of Structures	I/ME	7	0	0			
8	Mr.K.Selvam Assistant Professor	CE8591-Foundation Engineering	III/BE	6	0	0	6	1. Survey lab In-charge	K. Selvam
9	Mr.C.Vijayakumar Assistant Professor	CE8301 – Strength of Materials I	II/BE	6	0	0	7	1.Fluid mechanics Lab In-charge 2. IV class In-charge 3.Placement In-charge	C. Vijayakumar



		Library	III/BE	0	0	1		
10	Mr.P.Manikandan Assistant Professor	CE 8501 – Design of Reinforced Concrete Elements	III/BE	6	0	0	6	1.Department AICTE In-charge 2.Concrete and Highway Lab In-charge
11	Mr.N.Karthic Assistant Professor	CE 8311 – Construction Materials Laboratory	IV/BE	0	0	3	8	1.Co-curricular Activities In-charge 2. Strength of materials lab In-charge 3. III class In-charge
		CE 8391 - Construction Materials	II/BE	4	0	0		
		Library	III/BE	0	0	1		
12	Ms.E.Madhu mathiSuriya Assistant Professor	CE 8302-Fluid Mechanics	II/BE	6	0	0	6	1.Scholarship In-charge 2.Environmental lab In-charge
13	Mr.P.Gowri Prasad Assistant Professor	ST 5013-Theory of Elasticity and Plasticity	I/ME	7	0	0	14	1. Anna University Work In-charge
		ST 5001-Maintenance and Rehabilitation of structures	I/ME	7	0	0		
14	Mr.P.Balamurugan Assistant Professor	OAI551 – Environment and Agriculture	III/BE	4	0	0	4	1.News and Press In-charge 2. Association In-charge
15	Mr.S.Darwin Assistant Professor	OML 751-Testing of Materials	IV/BE	7	0	0	7	1. Department Minutes of meeting In-charge
16	Mrs.S.Premasundari Assistant Professor	GI 8013 – Advanced Surveying	III/BE	5	0	0	5	1.CADD lab In-charge 2. II Class In charge
		CE8513 – Survey Camp	III/BE	-	-	-		
17	Mr.K.Meiyalakan Assistant Professor	EN 8491 –Water supply Engineering	III/BE	6	0	0	6	1.Stationary In-charge
18	Mr.V.Prakash Assistant Professor	CE 8711-Creative and Innovative Project	IV/BE	0	0	4	4	1.Circular file incharge
19	Mrs.A.Saranya Jenifer Assistant Professor	CE 8702-Railways,Airports, Docks and Harbour Engineering	IV/BE	7	0	0	7	1. Mentor coordinator
20	Mr.V.Ganesh Ram Assistant Professor	CE 8392 – Engineering Geology	II/BE	4	0	0	4	1.Notice Board In-Charge
21	Mr.T.K.Prasanna Assistant Professor	CE 8512 – Water and Waste water analysis Lab	III/BE	0	0	3	3	1. Department Exam cell In-charge

V. Sudhakar
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DEPARTMENT OF CIVIL ENGINEERING

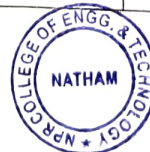
FACULTY WORK LOAD

Semester: EVEN

Course: B.E/M.E

Academic year: 2020-2021

S.No.	Name of Faculty & Designation	Subject Code and Name	Year / Branch	Teaching Load				Department Work	Signature
				L	T	P	Total		
1	Dr.A.Hemalatha Head of the Department	CE8018 - Geo-Environmental Engineering	IV/BE	7	0	0	7	1.HOD	<i>Hemalatha</i>
2	Mr.V.Muthukumar Associate Professor	CE8491 – Soil Mechanics	II/BE	6	0	0	6	1. Hod I/C 2.Anti-Ragging In-charge	<i>V. Muthukumar</i>
3	Mr. K.Karuppasamy Assistant Professor	CE 8001 -Ground Improvement Techniques	III/BE	4	0	0	4	1.Time Table In-charge	<i>K. Karuppasamy</i>
4	Mr.P.Gowri Prasad Assistant Professor	ST 5201-Advanced Steel Structures	I/ME	5	0	0	8	1.Circular File In-charge	<i>P. Gowri Prasad</i>
		ST 5211-Advanced Structural Engineering Laboratory	I/ME	0	0	3			
5	Mr.U.Karthick Assistant Professor	CE 8811 – Project Work	IV/BE	0	0	12	12	1.Alumni In-charge	<i>U. Karthick</i>
6	Mr.S Alaghu Dharmaraj Assistant Professor	CE 8611- Highway Engineering Laboratory	III/BE	0	0	3	9	1.Department library In charge	<i>S. Alaghu Dharmaraj</i>
		CE 8601 - Design of Steel Structural elements	III/BE	6	0	0			
7	Mrs.C.Selvi Assistant Professor	CE8211-Computer Aided building drawing	I/BE	5	0	0	5	1.Soil Lab In-charge	<i>C. Selvi</i>
8	Ms.Gayathri Assistant Professor	ST5203-Experimental Techniques	I/ME	6	0	0	13	1.Advanced Structural lab In-charge	<i>S. Gayathri</i>
		ST 5008-Industrial Structures	I/ME	7	0	0			
9	Mr.K.Shanthakumar Assistant Professor	CE 8602 - Structural Analysis II	III/BE	6	0	0	13	1.Exam cell In-charge 2.ME Class In charge	<i>K. Shanthakumar</i>
		ST5204-Finite Element Analysis	I / ME	7	0	0			
10	Mr.K.Selvam Assistant Professor	CE8401 - Construction Techniques and Practices	II/BE	4	0	0	4	1.Survey lab In-charge	<i>K. Selvam</i>



11	Mr.C.Vijayakumar Assistant Professor	CE 8603-Irrigation Engineering	III/BE	5	0	0	8	1. IV class In-charge 2.Placement In-charge	
		CE 8612-Irrigation and Environmental Engineering drawing	III/BE	0	0	3			
12	Mr.P.Manikandan Assistant Professor	CE 8404 - Concrete Technology	II/BE	4	0	0	7	1.Department AICTE In-charge 2.Concrete and Highway Lab In-charge	
		CE 8612-Irrigation and Environmental Engineering drawing	III/BE	0	0	3			
13	Mr.N.Karthic Assistant Professor	CE 8604-Highway Engineering	III/BE	5	0	0	6	1.III class In-charge	
		Library	III/BE	1	0	0			
14	Ms.E.MadhumadhiSuriya Assistant Professor	CE 8403 - Applied Hydraulic Engineering	II/BE	6	0	0	7	1.Scholarship In-charge 2.Environmental lab In-charge	
		Library	IV/BE	0	0	1			
15	Ms.A.Saranya Jenifer Assistant Professor	CE 8461 - Hydraulic Engineering Laboratory	II/BE	0	0	3	3	1.Anna University Work In-charge 2.Mentor Coordinator	
16	Mr.TK.Prasanna Assistant Professor	CE 8402-Strength of Materials-II	II/BE	6	0	0	9	1.Fluid mechanics lab	
		CE8481- Strength of materials Laboratory	II/BE	0	0	3			
17	Mrs.S.Premasundari Assistant Professor	BE 8252-Basic Civil and Mechanical Engineering	I/BE	3	0	0	4	1.CADD lab In-charge 2.II Class In-charge	
		Library	II/BE	1	0	0			
18	Mr.S.Darwin Assistant Professor	EN8592-Waste water Engineering	III/BE	5	0	0	5	1.Stationary In-charge	
19	Mr.S.Ponrasu Assistant Professor	ST5202-Stability of Structures	I/ME	6	0	0	12	1.Co-curricular Activities In-charge 2. Strength of materials lab In-charge 3.Association In-charge	
		ST 5009-Prestressed concrete Structures	I/ME	6	0	0			
		ST 5212-Practical Training-1	I/ME	-	-	-			
20	Mr.P.Balamurugan Assistant Professor	CE8020 -Maintenance, Repair and Rehabilitation of Structures	IV/BE	7	0	0	7	1.Notice Board In-Charge	
21	Mr.V.Ganesh ram Assistant Professor	CE8811 - Project Work	IV/BE	0	0	13	13	1. Department Minutes of meeting In-charge 2. Department Exam cell In-charge	

HOD-CIVIL

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TIME TABLE



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CLASS TIMETABLE

Department & Section	CIVIL	Course	B.E
Batch	2019-2023	Academic Year	2020-2021
Year - Semester	II-3	Class In charge	Mrs.S.Premasundari, AP/Civil

DATE / TIME	9.00AM - 9.50AM	9.51AM - 10.15AM	10.16AM - 11.05AM	11.06AM - 11.55AM	11.56AM - 12.45PM	12.46PM - 1.30PM	1.31PM - 2.20PM	2.21PM - 3.10PM	3.11PM - 4.00PM	
MON	CE8392/EG VGR	B R E A K	MA8353/ TPDE PMS	CE8301/ SOM1 CVK	CE8302/ FM EMM	L U N C H	CE8361/ SURVEY LAB U.KA			
TUES	CE8302/ FM EMM		CE8351/SUR UKA	CE8301/ SOM1 CVK	MA8353/ TPDE PMS		CE8392/EG VGR	PLACEMENT		
WED	CE8351/SUR UKA		CE8301/ SOM1 CVK	CE8391/CM N.KA	LIB SPS		CE8351/SUR UKA	MA8353/ TPDE PMS	CE8302/ FM EMM	
THURS	MA8353/ TPDE PMS		CE8301/ SOM1 CVK	CE8391/CM N.KA	CE8302/ FM EMM		CE8311/ CM LAB NKA			
FRI	CE8301/ SOM1 CVK		CE8302/ FM EMM	MA8353/ TPDE PMS	CE8351/SUR UKA		CE8392/EG VGR	HS8381 COMMUNICATION LAB/KKA		
SAT	CE8391/CM N.KA		CE8392/EG VGR	MA8353/ TPDE PMS	CE8301/ SOM1 CVK		CE8351/SUR UKA	CE8302/ FM EMM	CE8391/CM N.KA	

Subject Code	Subject Name	Handled by	Department	Hours
MA8353	Transforms and Partial Differential Equations-TPDE	Mr.P.Madasamy	PMS	6
CE8301	Strength of Materials I -SOM1	Mr.C.Vijayakumar	CVK	6
CE8302	Fluid Mechanics -FM	Ms.E.Madhu mathiSuriya	EMM	6
CE8351	Surveying -SUR	Mr.U.Karthick	U.KA	5
CE8391	Construction Materials -CM	Mr.N.Karthic	NKA	4
CE8392	Engineering Geology -EG	Mr.V.Ganesh Ram	VGR	4
CE8311	Construction Materials Laboratory - CM LAB	Mr.N.Karthic	NKA	3
CE8361	Surveying Laboratory - SUR LAB	Mr.U.Karthick	U.KA	3
HS8381	Interpersonal Skills/Listening And Speaking	Mrs.K.Kavitha	KKA	2
	Placement	NPR Placement Cell	-	2
	Library	Mrs.S.Premasundari	SPS	1



Time Table In-charge
(Karuppusamy.S)

Dr. J. SUNDARARAJAN
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Department & Section		CLASS TIMETABLE	
CIVIL		Course	B.E
Batch	2018-2022	Academic Year	2020-2021
Year - Semester	III-5	Class In charge	Mr.N.Karthic, AP/Civil

DATE / TIME	9.00AM - 9.50AM	9.51AM - 10.15AM	10.16AM - 11.05AM	11.06AM - 11.55AM	11.56AM - 12.45PM	12.46PM - 1.30PM	1.31PM - 2.20PM	2.20PM - 3.10 PM	3.10PM - 4.00PM
MON	OAI551/EA P.BA	B R E A K	EN8491/WSE KME	CE8502/SA1 KSK	CE8591/FE KSE	L U N C H	CE8501/ DRC PMK	CE8591/FE KSE	GI8013/ AS SPS
TUES	CE8501/ DRC PMK		OAI551/EA P.BA	EN8491/WSE KME	CE8502/SA1 KSK		CE8512/ WVE LAB TK.P		
WED	CE8591/FE KSE		EN8491/WSE KME	GI8013/ AS SPS	CE8501/ DRC PMK		CE8511/ SOIL LAB CSE		
THURS	CE8502/SA1 KSK		EN8491/WSE KME	PLACEMENT			GI8013/ AS SPS	CE8501/ DRC PMK	OAI551 EA P.BA
FRI	GI8013/ AS SPS		CE8591/FE KSE	CE8501/ DRC PMK	OAI551/EA P.BA		CE8502/SA1 KSK	EN8491/WSE KME	LIB NKA
SAT	EN8491/WSE KME		CE8502/SA1 KSK	CE8591/FE KSE	CE8502/SA1 KSK		CE8591/FE KSE	CE8501/ DRC PMK	GI8013 AS SPS

Subject Code	Subject Name	Handled by	Department	Hours	
CE8501	Design of Reinforced Cement Concrete Elements - DRC	Mr.P.Manikandan	PMK	AP/Civil	6
CE8502	Structural Analysis I - SA1	Mr.K.Shanthakumar	KSK	AP/Civil	6
EN8491	Water Supply Engineering - WSE	Mr.K.Meiyalakan	KME	HoD/Civil	6
CE8591	Foundation Engineering - FE	Mr.K.Selvam	KSE	AP/Civil	6
OAI551	Environment and agriculture - EA	Mr.P.Balamurugan	PBA	AP/Civil	4
GI8013	Advanced surveying - AS	Mrs.S.Premasundari	SPS	AP/Civil	5
CE8511	Soil Mechanics Laboratory - SOIL Lab	Mrs.C.Selvi	CSE	AP/Civil	3
CE8512	Water And Waste Water Analysis Laboratory - WWE Lab	Mr.T.K.Prasanna	TKP	AP/Civil	3
	Placement	NPR Placement Cell			2
	Library	Mr.N.Karthic	NKA	AP/Civil	1



Time Table In-charge
 (Karappasamy S)

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CLASS TIMETABLE

Department & Section	CIVIL	Course	B.E
Batch	2017-2021	Academic Year	2020-2021
Year - Semester	IV-7	Class In charge	Mr. C.Vijayakumar , AP/Civil

DATE / TIME	9.00AM - 9.50AM	9.51AM - 10.15AM	10.16AM - 11.05AM	11.06AM - 11.55AM	11.56AM - 12.45PM	12.46PM - 1.30PM	1.31PM - 2.20PM	2.20PM - 3.10 PM	3.10PM - 4.00PM
MON	CE8702/ RAHE ASJ	B R E A K	EN8591/MSW KKS	OML751 /TOM SDA	CE8701/EQS VMK	L U N C H	CE8703/ SDD SAL	CE8711 PROJECT/ VPR	
TUES	CE8703/ SDD SAL		EN8591/MSW KKS	OML751 /TOM SDA	CE8701/EQS VMK		LIB/CVK	CE8702/ RAHE ASJ	EN8591/MSW KKS
WED	CE8703/ SDD SAL		OML751 /TOM SDA	CE8703/ SDD SAL	CE8702/ RAHE ASJ		CE8701/EQS VMK	OML751 /TOM SDA	EN8591/MSW KKS
THURS	CE8701/EQS VMK		OML751 /TOM SDA	EN8591/MSW KKS	CE8703/ SDD SAL		CE8702/ RAHE ASJ	CE8711 PROJECT/ VPR	
FRI	OML751 /TOM SDA		CE8701/EQS VMK	CE8703/ SDD SAL	CE8702/ RAHE ASJ		EN8591/MSW KKS	PLACEMENT	
SAT	EN8591/MSW KKS		CE8702/ RAHE ASJ	CE8701/EQS VMK	OML751 /TOM SDA		CE8701/EQS VMK	CE8703/ SDD SAL	CE8702/ RAHE ASJ

Subject Code	Subject Name	Handled by	Department	Hours
CE8701	Estimation, Costing and Valuation Engineering - EQS	Mr.V.Muthukumar VMK	AP/Civil	7
CE8702	Railways, Airports, Docks and Harbour Engg - RAHE	Mrs.A.Saranya Jenifer ASJ	AP/Civil	7
CE8703	Structural Design and Drawing - SDD	Mr.S.Alagu Dharmaraj SAL	AP/Civil	7
EN8591	Municipal Solid Waste Management - MSW	Mr. K.Karuppasamy KKS	AP/Civil	7
OML751	Testing of Materials - TOM	Mr.S.Darwin SDA	AP/Civil	7
CE8711	Creative and Innovative project - CIP	Mr.V.Prakash VPR	AP/Civil	4
	Placement	NPR Placement Cell	-	2
	Library	Mr. C.Vijayakumar CVK	AP/Civil	1



Time Table In-charge
 (Kamuppasamy.K)

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DEPARTMENT OF CIVIL ENGINEERING MASTER TIMETABLE ACADEMIC YEAR (2020 - 2021) - ODD SEMESTER

Period	YEAR	1	2	3	4	5	6	7		
		9.51 a.m to 10.15 a.m	10.16 a.m to 11.05 a.m	11.06 a.m to 11.55 a.m	11.56 a.m to 12.45 a.m	12.46 p.m to 1.30 p.m	1.31 PM - 2.20 PM	2.21 PM - 3.10 PM	3.11 PM - 4.00 PM	
MON	II	CE8392/EG VGR	MA8353/ TPDE PMS	CE8301/ SOM1 CVK	CE8302/ FM EMM	LUNCH	CE8361/ SURVEY LAB UKA			
	III	OA1551/EA P.BA	EN8491/WSE KME	CE8502/SA1 KSK	CE8591/FE KSE		CE8501/ DRC PMK	CE8591/FE KSE	GI8013/ AS SPS	
	IV	CE8702/ RAHE ASJ	EN8591/MS W KKS	OML751 /TOM SDA	CE8701/EQ S VMK		CE8703/ SDD SAL	CE8711/ PROJECT/ VPR		
TUES	II	CE8302/ FM EMM	CE8351/SUR UKA	CE8301/ SOM1 CVK	MA8353/ TPDE PMS		CE8392/EG VGR	PLACEMENT		
	III	CE8501/ DRC PMK	OA1551/EA P.BA	EN8491/WSE KME	CE8502/SA1 KSK		CE8512/ WVE LAB TKP			
WED	IV	CE8703/ SDD SAL	EN8591/MS W KKS	OML751 /TOM SDA	CE8701/EQ S VMK		LIB/ CVK	CE8702/ RAHE ASJ	EN8591/MS W KKS	
	II	CE8351/SUR UKA	CE8301/ SOM1 CVK	CE8391/CM N.KA	LIB SPS		CE8351/SUR UKA	MA8353/ TPDE PMS	CE8302/ FM EMM	
THUR S	III	CE8591/FE KSE	EN8491/WSE KME	GI8013/ AS SPS	CE8501/ DRC PMK		CE8511/ SOIL LAB CSE			
	IV	CE8703/ SDD SAL	OML751 /TOM SDA	CE8703/ SDD SAL	CE8702/ RAHE ASJ		CE8701/EQS VMK	OML751 /TOM SDA	EN8591/MS W KKS	
	II	MA8353/ TPDE PMS	CE8301/ SOM1 CVK	CE8391/CM N.KA	CE8302/ FM EMM		CE8311/ CM LAB NKA			
FRI	III	CE8502/SA1 KSK	EN8491/WSE KME	PLACEMENT		GI8013/ AS SPS	CE8501/ DRC PMK	OA1551/EA P.BA		
	IV	CE8701/EQS VMK	OML751 /TOM SDA	EN8591/MS W KKS	CE8703/ SDD SAL	CE8702/ RAHE ASJ	CE8711/ PROJECT/ VPR			
	II	CE8301/ SOM1 CVK	CE8302/ FM EMM	MA8353/ TPDE PMS	CE8351/SUR UKA	CE8392/EG VGR	HS8381/ COMMUNICATION LAB/KKA			
SAT	III	GI8013/ AS SPS	CE8591/FE KSE	CE8501/ DRC PMK	OA1551/EA P.BA	CE8502/SA1 KSK	EN8491/WSE KME	LIB/NKA		
	IV	OML751 /TOM SDA	CE8701/EQS VMK	CE8703/ SDD SAL	CE8702/ RAHE ASJ	EN8591/MSW KKS	PLACEMENT			
	II	CE8391/CM N.KA	CE8392/EG VGR	MA8353/ TPDE PMS	CE8301/ SOM1 CVK	CE8351/SUR UKA	CE8302/ FM EMM	CE8391/CM N.KA		
SAT	III	EN8491/WSE KME	CE8502/SA1 KSK	CE8591/FE KSE	CE8502/SA1 KSK	CE8591/FE KSE	CE8501/ DRC PMK	GI8013/ AS SPS		
	IV	EN8591/MSW KKS	CE8702/ RAHE ASJ	CE8701/EQS VMK	OML751 /TOM SDA	CE8701/EQS VMK	CE8703/ SDD SAL	CE8702/ RAHE ASJ		

II YEAR			
Subject Code	Subject Name		Handled by
MA8353	Transforms and Partial Differential Equations	-TPDE	Mr P Madasamy PMS
CE8301	Strength of Materials I	-SOM1	Mr C Vijayakumar CVK
CE8302	Fluid Mechanics	-FM	Ms E Madhu mathi/Surya ENM
CE8351	Surveying	-SUR	Mr U Karthick UKA
CE8391	Construction Materials	-CM	Mr N Karthic NKA
CE8392	Engineering Geology	-EG	Mr V Ganesh Ram VGR
CE8311	Construction Materials Laboratory	-CM LAB	Mr N Karthic NKA
CE8361	Surveying Laboratory	-SUR LAB	Mr U Karthick UKA
HS8381	Interpersonal skills/Listening and speaking Laboratory		Mrs K Kavitha KKA
Placement	Placement		NPR Placement Cell
LIB	Library		Mrs S Premasundan SPS
III YEAR			
CE8501	Design of Reinforced Cement Concrete Elements	- DRC	Mr P Manikandan PMK
CE8502	Structural Analysis I	- SA1	Mr K Shanthakumar KSK
EN8491	Water Supply Engineering	- WSE	Mr K Meiyalakan KME
CE8591	Foundation Engineering	- FE	Mr K Selvam KSE
OA1551	Environment and agriculture	- EA	Mr P Balamurugan P.BA
GI8013	Advanced surveying	- AS	Mrs S Premasundan SPS
CE8511	Soil Mechanics Laboratory	- SOIL Lab	Mrs C Selvi CSE
CE8512	Water And Waste Water Analysis Laboratory	- WVE Lab	Mr T.K.Prasanna TKP
LIB	Library		Mr N Karthic NKA
Placement	Placement		NPR Placement Cell
IV YEAR			
CE8701	Estimation, Costing and Valuation Engineering	- EQS	Mr V Muthukumar VMK
CE8702	Railways, Airports, Docks and Harbour Engg	- RAHE	Mrs A Saranya Jennifer ASJ
CE8703	Structural Design and Drawing	- SDD	Mr S Alagu Dharmaraj SAL
EN8591	Municipal Solid Waste Management	- MSW	Mr. K Karuppasamy KKS
OML751	Testing of Materials	- TOM	Mr S Darwin SDA
CE8711	Creative and Innovative project	- CIP	Mr V Prakash VPR
LIB	Library		Mr C Vijayakumar CVK
Placement	Placement		NPR Placement Cell

TIME TABLE INCHARGE

(Karuppasamy.ic)

J. Sundararajan
HOD-CIVIL

Head of the Department
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CLASS TIMETABLE

Department & Section	CIVIL	Course	CIVIL
Batch	2019-2023	Academic Year	2020-2021 EVEN
Year - Semester	II & IV	Class In charge	Mr. S.Premasundari

Period	1	9.51a.m to 10.15a.m	2	3	4	12.46p.m to 1.30p.m	5	6	7
Time	9.00 a.m to 9.50 a.m		10.16 a.m to 11.05 a.m	11.06 a.m to 11.55 a.m	11.56 a.m to 12.45 p.m		1.31 p.m to 2.20p.m	2.21 p.m to 3.10p.m	03.11 p.m to 4.00 p.m
MONDAY	CE8401 K.SE	BREAK	MA8491 A.UM	CE8402 T.KP	CE8404 P.MK	LUNCH	Placement	CE8491 V.MK	CE8402 T.KP
TUESDAY	MA8491 A.UM		CE8491 V.MK	CE8404 P.MK	CE8403 E.MM		CE8481 T.KP		
WEDNESDAY	CE8402 T.KP		CE8403 E.MM	MA8491 A.UM	CE8491 V.MK		CE8461 A.SJ		
THURSDAY	CE8491 V.MK		CE8402 T.KP	CE8401 K.SE	CE8404 P.MK		MA8491 A.UM	HS8461 R.SI	
FRIDAY	CE8403 E.MM		CE8491 V.MK	CE8403 E.MM	Library S.PS		MA8491 A.UM	CE8402 T.KP	CE8401 K.SE
SATURDAY	CE8404 P.MK		CE8403 E.MM	MA8491 A.UM	CE8401 K.SE		CE8402 T.KP	CE8491 V.MK	CE8403 E.MM

Subject Code	Subject Name	Handled by	Department	Hours	
MA8491	Numerical methods	Mrs.A.Uma maheshwari	-A.UM	S & H	6
CE8401	Construction Techniques and Practices	Mr.K.Selvam	- K.SE	Civil	4
CE8402	Strength of Materials-II	Mr.TK.Prasanna	- T.K.P	Civil	6
CE8403	Applied Hydraulic Engineering	Ms.E.Madhu mathi Suriya	-E.MM	Civil	6
CE8404	Concrete Technology	Mr.P.Manikandan	-P.MK	Civil	4
CE8491	Soil Mechanics	Mr.V.Muthukumar	- V.MK	Civil	6
CE8481	Strength of Materials Laboratory	Mr.TK.Prasanna	- T.K.P	Civil	3
CE8461	Hydraulic Engineering Laboratory	Ms.A.Saranya Jenifer	- A.SJ	Civil	3
HS8461	Advanced Reading and Writing	Ms.R.Sindhu	-R.SI	S & H	2
Placement	Placement	NPR Placement Cell	-	-	1
Library	Library	Mrs.S.Premasundari	-S.PS	Civil	1

TIME TABLE INCHARGE
 (Karuppasamy.L)



Dr. J.SUNDARARAJAN, B.E., M.Tech., Ph.D.,
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CLASS TIMETABLE

Department & Section	CIVIL	Course	CIVIL
Batch	2018-2022	Academic Year	2020-2021 EVEN
Year - Semester	III & VI	Class In charge	Mr. N.Karthic

Period	1	9.51 a.m to 10.15 a.m	2	3	4	12.46 p.m to 1.30 p.m	5	6	7
Time	9.00 a.m to 9.50 a.m		10.16 a.m to 11.05 a.m	11.06 a.m to 11.55 a.m	11.56 a.m to 12.45 p.m		1.31 p.m to 2.20 p.m	2.21 p.m to 3.10 p.m	03.11 p.m to 4.00 p.m
MONDAY	CE8001 K.KS	BREAK	CE8604 N.KA	CE8602 K.SK	EN8592 S.DA	LUNCH	CE8603 C.VK	Placement	
TUESDAY	CE8603 C.VK		EN8592 S.DA	CE8601 S.AL	CE8602 K.SK		CE8612 P.MK/C.VK		
WEDNESDAY	CE8602 K.SK		CE8604 N.KA	HS8581 K.K			CE8001 K.KS	CE8601 S.AL	CE8603 C.VK
THURSDAY	EN8592 S.DA		CE8604 N.KA	CE8602 K.SK	EN8592 S.DA		CE8603 C.VK	Library N.KA	CE8601 S.AL
FRIDAY	CE8604 N.KA		CE8603 C.VK	CE8601 S.AL	CE8602 K.SK		CE8611 S.AL		
SATURDAY	CE8601 S.AL		CE8602 K.SK	CE8001 K.KS	CE8601 S.AL		CE8001 K.KS	CE8604 N.KA	EN8592 S.DA

Subject Code	Subject Name	Handled by	Department	Hours
CE8601	Design of Steel Structural Elements	Mr.S Alaghu Dharmaraj -S.AL	Civil	6
CE8602	Structural Analysis - II	Mr.K.Shanthakumar -K.SK	Civil	6
CE8603	Irrigation Engineering	Mr.C.Vijayakumar -C.VK	Civil	5
CE8604	Highway Engineering	Mr.N.Karthic -N.KA	Civil	5
EN8592	Waste Water Engineering	Mr.S.Darwin -S.DA	Civil	5
CE8001	Ground Improvement Techniques	Mr. K.Karuppasamy -K.KS	Civil	4
CE8611	Highway Engineering Laboratory	Mr.S Alaghu Dharmaraj -S.AL	Civil	3
CE8612	Irrigation and Environmental Engineering Drawing	Mr.C.Vijayakumar, Mr.P.Manikandan -C.VK,P.MK	Civil	3
HS8581	Professional Communication	Mrs.K.Kavitha -K.KA	S&H	2
Placement	Placement	NPR Placement Cell	-	2
Library	Library	Mr.N.Karthic -N.KA	Civil	1

TIME TABLE INCHARGE

(Karpappasamy K)



Head of the Department **J. SUNDARARAJAN**, Dr. J. SUNDARARAJAN, PRINCIPAL
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CLASS TIMETABLE

Department & Section	CIVIL	Course	CIVIL
Batch	2017-2021	Academic Year	2020-2021 EVEN
Year - Semester	IV & VIII	Class In charge	Mr. C.Vijayakumar

Period	1	9.51 a.m to 10.15 a.m	2	3	4	12.46 p.m to 1.30 p.m	5	6	7	
Time	9.00 a.m to 9.50 a.m		10.16 a.m to 11.05 a.m	11.06 a.m to 11.55 a.m	11.56 a.m to 12.45 p.m		1.31 p.m to 2.20 p.m	2.21 p.m to 3.10 p.m	03.11 p.m to 4.00 p.m	
MONDAY	CE8020 P.BA	BREAK	CE8018 A.HL	CE8020 P.BA	CE8811 V.GA	LUNCH	CE8811 U.KA	CE8811 V.GA	CE8811 V.GA	
TUESDAY	CE8020 P.BA		CE8018 A.HL	CE8811 U.KA	CE8018 A.HL		CE8811 U.KA	CE8811 V.GA	CE8811 V.GA	CE8811 U.KA
WEDNESDAY	CE8020 P.BA		CE8018 A.HL	CE8811 U.KA	Library EMM		CE8811 U.KA	CE8811 V.GA	CE8811 V.GA	CE8811 U.KA
THURSDAY	CE8018 A.HL		CE8020 P.BA	CE8018 A.HL	CE8020 P.BA		CE8020 P.BA	CE8811 V.GA	CE8811 U.KA	CE8811 U.KA
FRIDAY	CE8020 P.BA		CE8018 A.HL	Placement	Placement			CE8811 V.GA & U.KA	CE8811 V.GA & U.KA	
SATURDAY	CE8811 V.GA & U.KA			CE8811 V.GA & U.KA				CE8811 V.GA & U.KA		

Subject Code	Subject Name	Handled by	Department	Hours
CE8018	Geo-Environmental Engineering	Dr.A.Hemalatha -A.HL	Civil	7
CE8020	Maintenance, Repair and Rehabilitation of Structures	Mr.P.Balamurugan - P.BA	Civil	7
CE8811	Project Work	Mr.V.Ganesh ram & Mr.U.Karthick -V.GA & U.KA	Civil	25
Placement	Placement	NPR Placement Cell	-	2
Library	Library	Ms.E.Madhu mathi Suriya -E.MM	Civil	1

TIME TABLE INCHARGE

(Kruppasaamy.K)



Head of the Department
 Department of Civil Engineering
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Madhu
HoD

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OVERVIEW OF COURSE FILE



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COURSE FILE-CONTENTS

1. PREFACE OF THE SUBJECT
2. INSTITUTE V/M, DEPARTMENT V/M, PSO, PEO & PO STATEMENTS
3. COURSE INFORMATION SHEET
4. TIME TABLE WITH INDIVIDUAL WORK LOAD
5. TENTATIVE LESSON PLAN
6. LESSON PLAN AND EXECUTION. (IF ANY DEVIATION MAKEUP CLASS)
7. LECTURE NOTES
8. OHP/PPT/SUBJECT CDS
9. TOPIC BEYOND SYLLABUS WITH REFERENCE DETAILS.
10. GAP IN SYLLABUS – PLAN AND EXECUTION.
11. UNIVERSITY QUESTION PAPERS WITH ANSWER KEY.
12. INTERNAL QUESTION PAPER WITH ANSWER KEY.
13. ASSIGNMENT TOPICS WITH SUBMISSION DATES.
14. INTERNAL ASSESMENT MARK RECORDS
15. STUDENTS NAME LIST-COMMON AND CATEGORYWISE
16. REMEDIAL CLASS PLAN AND CONTINUOUS EVALUATION RECORDS.
17. COURSE HAND OUT
18. DELIVERY MONITORING.
19. COURSE ASSESMENT SHEET
20. SAMPLE ASSIGNMENTS.
21. TUTORIAL SHEETS
22. SAMPLE ANSWER SHEETS.

STAFF IN CHARGE

(S. Prema Sundari)



HOD/CIVIL

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 <p>NPR Group of Institutions 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 CIVIL ENGINEERING

PREFACE

NAME OF THE FACULTY : Mrs.S.PREMASUNDARI

DESIGNATION : ASSISTANT PROFESSOR

NAME OF THE SUBJECT : ADVANCED SURVEYING

SUBJECT CODE : GI-8013

YEAR : III-CIVIL ENGINEERING

SEMESTER : 05

ACADEMIC YEAR : 2020-2021(ODD)

REGULATION : 2017

PREPARED BY
(S. Prema Sundari)



V. Sundararajan
APPROVED BY

Head of the Department
 Department of Civil Engineering
 NPR College of Engineering & Technology
 Natham, Dindigul (DT) - 624 401.

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



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COURSE INFORMATION SHEET

 <p>NPR Group of Institutions Research 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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COURSE INFORMATION SHEET

PROGRAM: CIVIL ENGINEERING	DEGREE: B.E
COURSE: ADVANCED SURVEYING	SEMESTER: 05 CREDITS: 03
COURSE CODE: GI8013 REGULATION: 2017	COURSE TYPE: CORE /ELECTIVE / BREADTH/ S&H-PROFESSIONAL ELECTIVE-1
COURSE AREA/DOMAIN: SURVEYING	CONTACT HOURS: 3+1 (Tutorial) hours/Week. 5 HOURS/WEEK
CORRESPONDING LAB COURSE CODE (IF ANY): NIL	LAB COURSE NAME (IF ANY): NIL
COURSE COORDINATOR NAME : Mrs.S.PREMASUNDARI	

SYLLABUS:

UNIT	DETAILS	HOURS
I	UNIT-I-ASTRONOMICAL SURVEYING Astronomical terms and definition – Motion of sun and stars – Celestial co-ordinate System - Time system - Nautical Almanace – Apparent attitude and corrections – Field observations and determinations of time, longitude, latitude and azimuth by attitude and Hour angle method.	9
II	UNIT-II-AERIAL SURVEYING Terrestrial Photogrammetry – Terrestrial stereo photogrammetry – Aerial photogrammetry – overlaps – scale of photographs – Vertical and titled photographs distortion in aerial photographs – stereostopic vision - photo interpretation – Applications.	9
III	UNIT-III-TOTAL STATION SURVEYING Classification – basic measuring and working principles of an Electro – optical and Microwave total station- sources of errors in Electro – optical and Microwave total station – Care and Maintenance of total station – trilateration – Applications.	9
IV	UNIT-IV-GPS SURVEYING Basic concepts – Space, Control and User segments – Satellite configuration – Signal structure – Orbit determination and representation – Antispoofing and selective availability – hand held and geodetic receivers – Field work procedure – Data processing Applications.	9
V	UNIT-V-MISCELLANEOUS Reconnaissance – Rout surveys for highways, railways and waterways – simple, compound, reverse , transition and vertical curve – setting out methods - hydrographic surveying – tides – MSL – Sounding methods – measurement of	9





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current and discharge – Tunnel alignment and setting out – Settlement and Deformation studies.	TOTAL HOURS	45
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TEXT/REFERENCE BOOKS:

T/R	BOOK TITLE/AUTHORS/PUBLICATION
1	James M.Anderson and Edward M.Mikhail, “ Surveying, Theory and Practice”, 7th Edition, McGraw Hill,2001.
2	Bannister and S.Raymond, “Surveying”, 7th Edition, Longman2004.
3	Alfred Leick, GPS satellite surveying, John Wiley & Sons Inc., 3rd Edition,2004.
4	Laurila, S.H. Electronic Surveying in Practice, John Wiley and Sons Inc,1993.
5	Roy S.K., “Fundamentals of Surveying”, 2nd Edition, Prentice Hall of India,2004.
6	Arora K.R. “Surveying Vol I & II”, Standard Book House, 10th Edition2008.
7	GuochengXu, GPS Theory, Algorithms and Applications, Springer – Verlag, Berlin,2003.
8	Seeber G, Satellite Geodesy, Water De Gruyter,Berlin,1998.

COURSE PRE-REQUISITES:

C.CODE	COURSE NAME	DESCRIPTION	SEM
CE8351 PC	Surveying	To gain the knowledge about various basic Surveying instruments (Chains, Compass, Dumpylevel, Theodolite, Tacheometry,GPS& Total station) and various surveying methods.	03

COURSE OBJECTIVES:

1	To understand the concepts of Astronomical surveying & various problems.
2	To study the various terms in Aerial surveying.
3	To solve the field problems with the help of Total station.
4	To understand the surveying with advanced instrument GPS.
5	Design proper types of curves for deviating type of alignments.

COURSE OUTCOMES:

SNO	DESCRIPTION(Students will be able to)
C305.1	Know the astronomical surveying concepts & Various Problems.
C305.2	Understand the concept of photogrammetric surveying and interpretation
C305.3	Solve the field problems with Totalstation





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C305.4	Know the GPS surveying and the data processing
C305.5	Design the route surveys and tunnel alignments

CORELATION BETWEEN COURSE OUTCOMES AND PROGRAMME OUTCOMES

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C305.1	-	3	-	-	-	-	-	-	-	-	-	-
C305.2	-	-	-	2	1	-	-	-	-	-	-	-
C305.3	-	2	-	-	-	-	-	-	-	-	-	3
C305.4	-	2	-	-	-	-	-	-	-	1	-	2
C305.5	-	2	-	-	-	-	-	-	-	-	-	1

CORELATION BETWEEN COURSE OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

CO	PS01	PSO2	PSO3
C305.1	2	1	-
C305.2	1	1	-
C305.3	1	1	-
C305.4	1	-	-
C305.5	1	1	-

GAPS IN THE SYLLABUS - TO MEET INDUSTRY/PROFESSION REQUIREMENTS:

SNO	DESCRIPTION	PROPOSED ACTIONS
1	WILD DISTOMAT	INTERNAL PERSON

TOPICS BEYOND SYLLABUS/ADVANCED TOPICS/DESIGN:

Sl.No	Topic	Reason for introduction
1	Mine and cadastral surveying	INTERNAL PERSON

WEB SOURCE REFERENCES:





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1	https://www.slideshare.net/RambabuPalaka/gps-surveying-79854892
2	https://nptel.ac.in/courses/105/107/105107122/
3	https://en.wikipedia.org/wiki/Astronomical_survey#:~:text=An%20astronomical%20survey%20is%20a,a%20common%20type%20or%20feature.
4	https://www.britannica.com/technology/surveying/Aerial-surveying
5	https://theconstructor.org/surveying/total-station-operation-uses-advantage/6605/
6	https://www.globalspec.com/reference/55881/203279/highway-route-surveying
7	https://www.youtube.com/watch?v=4dzSUkDKDfU

DELIVERY/INSTRUCTIONAL METHODOLOGIES:

CHALK & TALK	STUD. ASSIGNMENT	WEB RESOURCES	TUTORIAL
LCD/SMART BOARDS			

DELIVERY METHODS USED FOR EACH COURSE OUT COME

SNO	DELIVERY METHODS
C305.1	CHALK & TALK, WEB RESOURCES,LCD
C305.2	CHALK & TALK, WEB RESOURCES,LCD
C305.3	CHALK &TALK ,WEB RESOURCES,LCD, STUD. ASSIGNMENT
C305.4	CHALK & TALK, LCD, WEB RESOURCES, STUD. ASSIGNMEN
C305.5	CHALK & TALK, LCD/SMART BOARDS, WEB RESOURCES

ASSESSMENT METHODOLOGIES-DIRECT.

ASSIGNMENTS	STUD. SEMINARS	TESTS/MODEL EXAMS	UNIV. EXAMINATION
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ASSESSMENT METHODOLOGIES-INDIRECT.

STUDENT FEEDBACK ON FACULTY (ONCE)	
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ASSESSMENT METHODOLOGIES USED FOR EACH COURSE OUT COME





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SNO	ASSESSMENT METHODOLOGIES-DIRECT	ASSESSMENT METHODOLOGIES-INDIRECT
C305.1	ASSIGNMENTS, UNIV. EXAMINATION, STUD. SEMINARS, TESTS/MODEL EXAMS	STUDENT FEEDBACK ON FACULTY
C305.2	UNIV. EXAMINATION, TESTS/MODEL EXAMS,	STUDENT FEEDBACK ON FACULTY
C305.3	UNIV. EXAMINATION, TESTS/MODEL EXAMS, ASSIGNMENTS	STUDENT FEEDBACK ON FACULTY
C305.4	UNIV. EXAMINATION, TESTS/MODEL EXAMS	STUDENT FEEDBACK ON FACULTY
C305.5	ASSIGNMENTS, UNIV. EXAMINATION, TESTS/MODEL EXAMS	STUDENT FEEDBACK ON FACULTY

Prepared by
(Course Coordinator)

Name and Signature
(S. Prerna Sundari)



Approved by
(Programme Coordinator)

Name and Signature
(Handwritten signature)

Head of the Department
Department of Civil Engineering
NPR College of Engineering & Technology,
NPR Nagar, Natham, Dindigul - 624401.

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LESSON PLAN



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TENTATIVE LESSON PLAN

Subject Name: Advanced Surveying

Branch: Civil Engineering

Subject Code: GI 8013

Semester: 05

Name of the faculty: Mrs.S.Premasundari

Theory Class : 5 Hrs/week		Target Hours : 09	
UNIT I-ASTRONOMICAL SURVEYING			
Date	Period No.	Topics to be Covered	Reference
12.08.2020	3	Astronomical terms and definition	T4
13-08-2020	5	Celestial co-ordinate System	T4
14-08-2020	1	Motion of sun and stars	T4
17-08-2020	7	Time system	T4
19-08-2020	3	Relationship between co-ordinates-Field observations and determinations of time, longitude, latitude and azimuth by attitude and Hour angle method	T4
20-08-2020	5	Relationship between co-ordinates-Field observations and determinations of time, longitude, latitude and azimuth by attitude and Hour angle method	T4
21-08-2020	1	Nautical Almanace	T4
24-08-2020	7	Apparent attitude and corrections	T4
26-08-2020	3	Apparent attitude and corrections	T4
Total Hrs.	09		
		Target Hours :09	
UNIT II-AERIAL SURVEYING			
Date	Period No.	Topics to be Covered	Reference
27-08-2020	5	Terrestrial Photogrammetry	T2
28-08-2020	1	Terrestrial stereo photogrammetry, Aerial photogrammetry	T2
29-08-2020	7	Overlaps ,Scale of photographs	T2
31-08-2020	7	Stereostopic vision	T2
02-09-2020	3	Photo interpretation	T2
03-09-2020	5	Applications of Aerial photographs	T2
05-09-2020	7	Difference between maps & Aerial photographs.	T2
07-09-2020	7	Vertical photographs distortion in aerial photographs	T2
09-09-2020	3	Titled photographs distortion in aerial photographs	T2
Total Hrs.	9		





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Target Hours : 10

UNIT III-TOTAL STATION SURVEYING

Date	Period No.	Topics to be Covered	Reference
10-09-2020	5	Total station, Principle, Classification	R1/R2
11-09-2020	1	EDM measuring principle	R1/R2
12-09-2020	7	Basic measuring and working principles of an Electro – optical total station	R1/R2
14-09-2020	7	Microwave total station	R1/R2
16-09-2020	3	Merits and demerits of total station, Comparison of EDMS	R1/R2
17-09-2020	5	Sources of errors in Electro – optical and Microwave total station	R1/R2
18-09-2020	1	Care and Maintenance of total station (Transportation)	R1/R2
19-09-2020	7	Trilateration ,Traversing & Triangulation	R1/R2
21-09-2020	7	Applications of total station	R1/R2
24-09-2020	5	Gaps in the Syllabus-Wild Distomat	NPTEL
Total Hrs.	10		

Target Hours : 09

UNIT IV-GPS SURVEYING

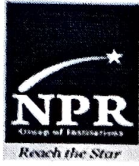
Date	Period No.	Topics to be Covered	Reference
26-09-2020	7	Basic concepts of GPS surveying	T3
28-09-2020	7	Space, Control and User segments	T3
30-09-2020	3	Orbit determination and representation	T3
03-10-2020	7	Hand held and geodetic receivers	T3
05-10-2020	7	GPS error sources(Antispoofing & Selective availability)	T3
07-10-2020	3	Signal structure	T3
08-10-2020	5	Field work procedure(Traversing & Triangulation)	T3
09-10-2020	1	Data processing Applications.	T3
10-10-2020	7	GPS surveying technique	T3
Total Hrs.	09		

Target Hours : 09

UNIT V- MISCELLANEOUS

Date	Period No.	Topics to be Covered	Reference
12-10-2020	7	Reconnaissance – Route surveys for highways, railways and waterways	R2
14-10-2020	3	Hydrographic surveying, tides ,MSL, Sounding methods	T3
15-10-2020	5	Tunnel alignment and setting out	T3
16-10-2020	1	Settlement and Deformation studies	T3
17-10-2020	7	Measurement of current and discharge	T3





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19-10-2020	7	Curves-simple, compound curve	T3
21-10-2020	3	Curves-simple, compound curve	T3
22-10-2020	5	Reverse , transition and vertical curve – setting out methods	T3
23-10-2020	1	Reverse , transition and vertical curve – setting out methods	T3
Total Hrs.	09		

TEXT BOOKS:

1. James M.Anderson and Edward M.Mikhail, “ Surveying, Theory and Practice”, 7th Edition, McGraw Hill, 2001.
2. Bannister and S.Raymond, “Surveying”, 7th Edition, Longman 2004.
3. Alfred Leick, GPS satellite surveying, John Wiley & Sons Inc., 3rd Edition, 2004.
4. Laurila, S.H. Electronic Surveying in Practice, John Wiley and Sons Inc, 1993.

REFERENCES:

1. Roy S.K., “Fundamentals of Surveying”, 2nd Edition, Prentice Hall of India, 2004.
2. Arora K.R. “Surveying Vol I & II”, Standard Book House, 10th Edition 2008.
3. Guocheng Xu, GPS Theory, Algorithms and Applications, Springer – Verlag, Berlin, 2003.
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Staff in charge

(S. Prema Sundari)

HOD / CIVIL



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LESSON PLAN

Subject Name: Advanced Surveying

Branch: Civil Engineering

Subject Code: GI 8013

Semester: 05

Name of the faculty: Mrs.S.Premasundari

Theory Class : 5 Hrs/week		Target Hours : 09	
UNIT I-ASTRONOMICAL SURVEYING			
Date	Period No.	Topics to be Covered	Reference
12.08.2020	3	Astronomical terms and definition	T4
13-08-2020	5	Celestial co-ordinate System	T4
14-08-2020	1	Motion of sun and stars	T4
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20-08-2020	5	Relationship between co-ordinates-Field observations and determinations of time, longitude, latitude and azimuth by attitude and Hour angle method	T4
21-08-2020	1	Nautical Almanace	T4
24-08-2020	7	Apparent attitude and corrections	T4
26-08-2020	3	Apparent attitude and corrections	T4
Total Hrs.	09		
UNIT II-AERIAL SURVEYING			
		Target Hours :09	
Date	Period No.	Topics to be Covered	Reference
27-08-2020	5	Terrestrial Photogrammetry	T2
28-08-2020	1	Terrestrial stereo photogrammetry, Aerial photogrammetry	T2
29-08-2020	7	Overlaps ,Scale of photographs	T2
31-08-2020	7	Stereostopic vision	T2
02-09-2020	3	Photo interpretation	T2
03-09-2020	5	Applications of Aerial photographs	T2
05-09-2020	7	Difference between maps & Aerial photographs.	T2
07-09-2020	7	Vertical photographs distortion in aerial photographs	T2
09-09-2020	3	Titled photographs distortion in aerial photographs	T2
Total Hrs.	9		
UNIT III-TOTAL STATION SURVEYING			
		Target Hours : 10	





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Date	Period No.	Topics to be Covered	Reference
10-09-2020	5	Total station, Principle, Classification	R1/R2
11-09-2020	1	EDM measuring principle	R1/R2
12-09-2020	7	Basic measuring and working principles of an Electro – optical total station	R1/R2
14-09-2020	7	Microwave total station	R1/R2
16-09-2020	3	Merits and demerits of total station, Comparison of EDMS	R1/R2
17-09-2020	5	Sources of errors in Electro – optical and Microwave total station	R1/R2
18-09-2020	1	Care and Maintenance of total station (Transportation)	R1/R2
19-09-2020	7	Trilateration ,Traversing & Triangulation	R1/R2
21-09-2020	7	Applications of total station	R1/R2
24-09-2020	5	Gaps in the Syllabus-Wild Distomat	NPTEL
Total Hrs.	10		

Target Hours : 09

UNIT IV-GPS SURVEYING

Date	Period No.	Topics to be Covered	Reference
26-09-2020	7	Basic concepts of GPS surveying	T3
28-09-2020	7	Space, Control and User segments	T3
30-09-2020	3	Orbit determination and representation	T3
03-10-2020	7	Hand held and geodetic receivers	T3
05-10-2020	7	GPS error sources(Antispoofing & Selective availability)	T3
07-10-2020	3	Signal structure	T3
08-10-2020	5	Field work procedure(Traversing & Triangulation)	T3
09-10-2020	1	Data processing Applications.	T3
10-10-2020	7	GPS surveying technique	T3
Total Hrs.	09		

Target Hours : 09

UNIT V- MISCELLANEOUS

Date	Period No.	Topics to be Covered	Reference
12-10-2020	7	Reconnaissance – Route surveys for highways, railways and waterways	R2
14-10-2020	3	Hydrographic surveying, tides ,MSL, Sounding methods	T3
15-10-2020	5	Tunnel alignment and setting out	T3
16-10-2020	1	Settlement and Deformation studies	T3
17-10-2020	7	Measurement of current and discharge	T3
19-10-2020	7	Curves-simple, compound curve	T3
21-10-2020	3	Curves-simple, compound curve	T3



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22-10-2020	5	Reverse , transition and vertical curve – setting out methods	T3
23-10-2020	1	Reverse , transition and vertical curve – setting out methods	T3
Total Hrs.	09		

TEXT BOOKS:

1. James M.Anderson and Edward M.Mikhail, “ Surveying, Theory and Practice”, 7th Edition, McGraw Hill, 2001.
2. Bannister and S.Raymond, “Surveying”, 7th Edition, Longman 2004.
3. Alfred Leick, GPS satellite surveying, John Wiley & Sons Inc., 3rd Edition, 2004.
4. Laurila, S.H. Electronic Surveying in Practice, John Wiley and Sons Inc, 1993.

REFERENCES:


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2. Arora K.R. “Surveying Vol I & II”, Standard Book House, 10th Edition 2008.
3. Guocheng Xu, GPS Theory, Algorithms and Applications, Springer – Verlag, Berlin, 2003.
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Staff in charge


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INTERNAL ASSESSMENT TEST QUESTION PAPER



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Register Number:

INTERNAL TEST I – AUGUST 2019

5th Semester – Civil Engineering

GI 8013-ADVANCED SURVEYING(SET-1)

Duration: 90 Minutes

Date:

Maximum marks: 50

Course Outcomes ,Question Number, Marks:

COs	CO1	CO2
Ques. No.	1,4,5,6,7	2,3,8
Max. Marks	30	20

COs & K-Level:

CO1: Know the astronomical surveying concepts & Various Problems.

CO2: To study the various terms in Aerial surveying.

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 rectification.	K2
2.	Distinguish between terrestrial and aerial photogrammetry.	K2
3.	What are the assumptions are made in aerial photo interpretation?	K2
4.	Describe the Azimuth.	K1
5.	Describe Nautical almanac.	K1
PART – B (1 x 8 = 8 marks)		
6.	Write short notes on stereoscopic vision. Explain its types.	K1
PART – C (2 x16 = 32 marks)		
7.	(i) What are the applications of photographs? Explain in detail.(8m) (ii)Mention the three operations of field work in the terrestrial Photogrammetry.(8m)	K2
8.	Calculate the sun's azimuth and hour angle at sunset at a place in latitude 42° 30' N, when its declination is, (i)22°12' N (ii)22°12'S	K2

FACULTY IN-CHARGE

(S. Prema Sundari)

COURSE CO-ORDINATOR



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HoD

Head of the Department
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Register Number:

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INTERNAL TEST II – SEPTEMBER 2020

5th Semester – Civil Engineering

GI 8013-ADVANCED SURVEYING(SET-1)

Duration: **90 Minutes**

Date:

Maximum marks: **50**

Course Outcomes ,Question Number, Marks:

COs	CO3	CO4
Ques. No.	1,2,5,6,8	3,4,7
Max. Marks	30	20

Os & K-Level:

CO3:To solve the field problems with the help of Total station.

CO4:To understand the surveying with advanced instrument GPS.

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.	Write the Advantages and disadvantages of Total station survey?	K1
2.	Write the error in EDM.	K1
3.	What is meant by Anti spoofing?	K2
4.	What do you mean by selective availability?	K2
5.	What are the basic principles of Total Station?	K1
PART – B (1 x 8 = 8 marks)		
6.	Explain in detail about the different types of EDM.	K2
PART – C (2 x16 = 32 marks)		
7.	(i)Describe briefly about sources of errors in GPS.(8 m) (ii)How the Traversing and Triangulation is to be done Using GPS?(8m)	K2
8.	Illustrate the working principle and measuring principle of Electro optical surveying (Total Station) with neat sketches.(geodimeter)	K2

FACULTY IN-CHARGE

(S. Prema sundari)

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V. Senthil Kumar

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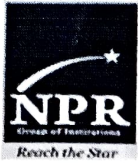
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ASSIGNMENT QUESTION PAPER



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DEPARTMENT OF CIVIL ENGINEERING ASSIGNMENT SCHEDULE GI 8013-ADVANCED SURVEYING UNIT I-ASTRONOMICAL SURVEYING

Sl. No.	Date of Intimation	Date of Submission	Multiple Topics
1	24-08-2020	29-08-2020	Concept of Apparent attitude and corrections

UNIT II-AERIAL SURVEYING

Sl. No.	Date of Intimation	Date of Submission	Multiple Topics
1	09-09-2020	12-09-2020	Applications of Aerial photographs

UNIT III-TOTAL STATION SURVEYING

Sl. No.	Date of Intimation	Date of Submission	Multiple Topics
1	24-09-2020	30-09-2020	Comparison between Micro optical system & Electro optical system

UNIT IV-GPS SURVEYING

Sl. No.	Date of Intimation	Date of Submission	Multiple Topics
1	10-10-2020	14-10-2020	GPS surveying technique

UNIT V- MISCELLANEOUS


Sl. No.	Date of Intimation	Date of Submission	Multiple Topics
1	19-10-2020	23-10-2020	Hydrographic surveying


STAFF IN CHARGE




HOD/CIVIL

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QUESTION BANK



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QUESTION BANK

Department : Civil Engineering Course & Regulation: B.E., Civil Engg. & R2017
Year & Semester : III & 5 Academic Year : 2020-2021 (ODD)
Subject Code & Name : GI 8013-Advanced Surveying Prepared by : S.Premasundari, AP-Civil

UNIT I ASTRONOMICAL SURVEYING

Astronomical terms and definition – Motion of sun and stars – Celestial co-ordinate System - Time system - Nautical Almanac – Apparent altitude and corrections – Field observations and determinations of time, longitude, latitude and azimuth by attitude and Hour angle method.

PART-A(2 marks)

- 1) Describe the Azimuth. (ND 2018)
- 2) Illustrate the methods for determining the latitude of a place.
- 3) What do you infer about station pointer?
- 4) Explain the term Right Ascension (R.A).(ND 2015)
- 5) Differentiate the following:
(i) Terrestrial equator & celestial equator (ii) Zenith & Nadir (AM 2008)
- 6) Define Celestial Horizon.(ND 2010)
- 7) Distinguish between latitude and longitude.(AM 2010)
- 8) Define celestial sphere & azimuth axis.(ND 2012)
- 9) Differentiate 'tropic of cancer' from 'tropic of Capricorn'.
- 10) What is meant by celestial equator?(ND 2014)
- 11) Enumerate the properties of a spherical triangle.(ND 2015)
- 12) What is meant by circumpolar stars?
- 13) Define time system and its types.(ND 2013)
- 14) What are the corrections to be applied to the observed altitude of the sun?(ND 2008)
- 15) Describe Nautical almanac.(ND 2014)
- 16) Explain the term sidereal time.(MJ 2019)
- 17) What is meant by mean solar time?(AM 2010)

PART-B(13 marks)

- 1) Calculate the Sun's Azimuth and Hour angle at sunset at a place in Latitude 52°N , When its Declination is
is (i) 20°N and (ii) 14°S (ND 2015)



- 2) What are the types of measurement of time? Explain.
- 3) Explain the types of co-ordinate systems.
- 4) Enumerate and explain the relationships between the co-ordinates of celestial sphere.(ND 2014)
- 5) (i) Explain celestial sphere and celestial co-ordinate system.(8m) (ND 2013)
(ii) Explain about mean solar time and standard time system.(ND 2012)
- 6) Explain in detail about the motion of stars and sun.
- 7) Explain equation of time.(AM 2010)
- 8) Calculate the sun's azimuth and hour angle at sunset at a place in latitude $42^{\circ} 30' N$, when its declination is. (i) $22^{\circ} 12' N$ (ii) $22^{\circ} 12' S$ (ND 2014)
- 9) Determine the hour angle and declination of star from the following data:
 Altitude of star = $22^{\circ} 30'$ (or) $21^{\circ} 30'$
 Azimuth of the star = $145^{\circ} E$ (or) $140^{\circ} E$
 Latitude of the observer = $49^{\circ} N$ (or) $48^{\circ} N$ (AM 2010) (ND 2012)
- 10) Find the GMT corresponding to the following L.M.T
 (i) $0^h 40^m 12^s$ A.M at a plane in longitude $42^{\circ} 36' W$.
 (ii) $4^h 32^m 10^s$ A.M at a plane in longitude $56^{\circ} 32' E$.(ND 2011)
- 11) The following observations of the sun were taken for azimuth of a line in connection with a survey:
 Mean time = 16 h 30 m
 Mean horizontal angle between the sun and the referring object = $18^{\circ} 20' 30''$
 Mean corrected altitude = $33^{\circ} 35' 10''$
 Declination of the sun from N.A. = $+ 22^{\circ} 05' 36''$
 Latitude of place = $52^{\circ} 30' 20''$
 Determine azimuth of line. (ND 2018)
- 12) Find the LST corresponding to 4-45 a.m on Jan 26, 1953 at a plane in longitude $68^{\circ} 12' W$., the GST of GMM being $8^h 19^m 57.53^s$.(ND 2015)
- 13) (i) Briefly explain latitude by Prime vertical transit and the effects of errors.(8 m) (ND 2010)
 (ii) Explain step-by-step method to determine the azimuth of a line by observations to sun.(8 m) (ND 2013)
- 14) Explain about astronomical correction and instrumental correction to be observed altitude and azimuth.(ND 2012)
- 15) Find the latitude of the plane from the following data:
 Longitude of the place = $180^{\circ} 30' 00'' W$; Altitude of sun's upper limb = $42^{\circ} 12' 40''$
 L.M.T of observation = 2 h 50 m P.M ; Date of observation = Dec 15, 1947
 Sun's declination at 0 hour on Dec 15, 1947 = $23^{\circ} 12' 18.6''$
 Equation of time at 0 h on Dec 15 = $+6^m 18.5^s$, decreasing at 1.2^s per hour



Sun's semi-diameter = $0^{\circ} 15' 16.4''$. (ND 2010)

UNIT II AERIAL SURVEYING

Terrestrial Photogrammetry – Terrestrial stereo photogrammetry – Aerial photogrammetry – overlaps – scale of photographs – Vertical and titled photographs distortion in aerial photographs – stereoscopic vision - photo interpretation – Applications.

PART-A(2 marks)

1. Comparison between Aerial photographs and maps
2. Define stereoscope and list out the types of stereoscopes?
3. Distinguish between terrestrial and aerial photogrammetry.
4. What is Photographic Surveying?
5. Write short notes on crab and drift.
6. What is the basic principle of the terrestrial photogrammetry?
7. What are the 2 branches of terrestrial photogrammetry?
8. Define overlaps.
9. How the overlaps are occurred?
10. What is the difference between longitudinal overlap and lateral overlap?
11. What is meant by angle of parallax?
12. Differentiate between mosaic and map.
13. Define rectification.
14. What are the assumptions are made in aerial photo interpretation?
15. Write about the difference between map and aerial photograph.
16. Write the comparison between oblique and vertical photographs.

PART-B(13 marks)

- 1) Explain the Tilt Distortion with neat sketch in Photographic method.
- 2) Write the Applications of Photogrammetry.
- 3) Explain in detail displacement on vertical photograph.
- 4) Define the following:
(i)Air base (ii)Tilt displacement (iii)Isometric parallel (iv)Principal point (v)Isocentre
- 5) Describe with sketches the field work of a survey with Photo theodolite. Explain how you would plot the survey.
- 6) Mention the three operations of field work in the terrestrial photogrammetry.
- 7) Write short notes on:
(i)Advantages of aerial surveying (ii) Equipment required for aerial surveying
(iii)Stereophotogrammetry (iv)Application of Photogrammetry
- 8) Differentiate between the following:



- (i) Flight line and Focal length
(ii) Ground nadir point & Nadir point
(iii) Plane table surveying & terrestrial photogrammetry
(iv) Oblique photograph & tilted photograph
- 9) Explain with reference to aerial photograph, what is meant by end overlap and side overlap and why they are provided?
- 10) How do you determine the scale of an aerial photograph? What do you understand by the terms "datum scale" and "average scale"?
- 11) Write short notes on stereoscopic vision. Explain its types.
- 12) Explain the elements of interpretation.
- 13) (i) Explain the concepts of mosaics. (8m)
(ii) How do you determine the relative distance of the objects. Explain in detail. (5m)
- 14) What are the applications of photographs? Explain in detail.
- 15) What is meant by tilt distortion? Explain the scale of the tilted photograph.

UNIT-III-TOTAL STATION SURVEYING

Classification – basic measuring and working principles of an Electro – optical and Microwave total station- sources of errors in Electro – optical and Microwave total station – Care and Maintenance of total station – trilateration – Applications.

PART-A(2 marks)

- 1) Define Total Station. (AM 2015)
- 2) What do you mean by Electronic theodolite?
- 3) What are the basic principles of Total Station?
- 4) Write the error in EDM.
- 5) What is electromagnetic wave?
- 6) List out the total station Instruments
- 7) What are the corrections in EDM?
- 8) Write the parts of the Total Station?
- 9) What are the components used in total station survey?
- 10) What are the types of Total station Survey?
- 11) Write the Advantages and disadvantages of Total station survey?
- 12) What are the types of accuracy of Total Station?
- 13) Define Auto focusing.
- 14) What is Auto Environmental Sensing?
- 15) What is the use of Electronic Vial?
- 16) What is REM?
- 17) Define VPM.
- 18) What are the applications of Total station surveying?



- 19) Explain the principle of electro optical system.
- 20) When do you substitute the total station instead of conventional surveying instruments?
- 21) Design the fundamental parameters of a total station .
- 22) What are the precautions to be decided while using a total station?
- 23) How do you decide a total station is set up over a point during the field.

PART-B(13 marks)

- 1) Explain in detail about Electromagnetic Spectrum and its applications.
- 2) Explain in detail about the properties of electromagnetic waves. How are they useful in measuring of distances?
- 3) Explain in detail about the different types of EDM.
- 4) Explain the working principle of EDM.
- 5) Why phase comparison and modulation is preferred over time measurement in EDM.
- 6) Explain the working principle of “Wild Distomats”.
- 7) Explain in detail about the sources of errors in Total station and EDM.
- 8) What is a Total station ? List out the various operations that are possible with total stations. What are advantages of using total stations?(ND 2018)
- 9) List the components of total station? Describe them briefly and also tell about its care and maintenances.
- 10) What are the important precautionary measures and maintenance of Total Station instruments?
- 11) Illustrate the working principle and measuring principle of Electro optical surveying (Total Station) with neat sketches.(geodimeter)
- 12) How electronic distance measurement can be classified and explain its uses on total station.
- 13) Compare Electro optical and Micro wave System. Explain it briefly.
- 14) Design the working principle and measuring principle of Micro Wave system with neat sketches.(Tellurometer)
- 15) Compare the following
 - a. Triangulation
 - b. Trilateration

PART-C (15 marks)

- 1) Evaluate and compare the accuracy, precision and cost (time expenditure) of two methods of surveying, i.e. GPS and total station.
- 2) Explain in detail about the measuring principle working principle and sources of error in infrared and laser total station instruments.
- 3) Describe in detail the pulse method and phase difference method.
- 4) Brief a comparison about microwave systems and electro optical systems also. Bring out the important precautionary measures and maintenance of total station instrument.



UNIT-IV-GPS SURVEYING

Basic concepts – Space, Control and User segments – Satellite configuration – Signal structure – Orbit determination and representation – Antispoofing and selective availability – hand held and geodetic receivers – Field work procedure – Data processing Applications.

PART-A(2 marks)

1. Define GPS.(ND 2018)
2. What do you mean by selective availability?
3. List the different segments of GPS
4. What is meant by Anti spoofing?
5. Define GPS data processing.
6. Why GPS signal is so complicated?
7. Distinguish between Space and User segment?
8. Comparison between Control and Space segment
9. Discuss few points on GPS navigation.
10. Explain shortly about Orbit Representation.
11. Classify the component of GPS.
12. Illustrate the Signal processing in GPS.
13. Demonstrate the components of satellite signals.
14. Explain in short about Satellite Configuration. (AM 2017)
15. State the applications of GPS.
16. Classify the types of receiver.
17. Write the principles of GPS.
18. How are personal GPS receivers different from survey-grade GPSreceivers? Justify.
19. Compose a short note on Task of control segment.
20. Construct the sketch of the signal structure.

PART B(13 marks)

- 1) What are the space, control and user segments of GPS and their functions?(ND 2018)
- 2) List out the various measurements of GPS. Explain them.
- 3) Briefly explain the Characteristics of GPS Navigation and Satellitenavigation?
- 4) Explain in detail about receivers and its types.
- 5) (i) What are the types of GPS receivers?
(ii) Explain the task of control segment in GPS.
- 6) Describe briefly about sources of errors in GPS.
- 7) How the Traversing and Triangulation is to be done Using GPS?
- 8) Explain in detail about the signal structure of GPS. (ND 2018)



- 9) Write the Requirements of GPS Signals? Briefly explain
- 10) Write down the steps involved in GPS data processing.
- 11) Explain the orbit determination and representation.
- 12) (i) Distinguish between single frequency receivers and Double frequency receivers.
(ii) Explain the hand held receiver and geodetic receiver of GPS.

PART C(15 marks)

- 1) Explain the various types of GPS devices and their uses.
- 2) Write an Essay on Future of GPS Tracking Systems.
- 3) Discuss the emerging Trends in GPS Technology.
- 4) Explain in detail the History of GPS and Technical Specifications of its Orbits.

UNIT-V -MISCELLANEOUS TOPICS

Reconnaissance – Rout surveys for highways, railways and waterways – simple, compound, reverse , transition and vertical curve – setting out methods - hydrographic surveying – tides – MSL – Sounding methods – measurement of current and discharge – Tunnel alignment and setting out – Settlement and Deformation studies

PART-A(2 marks)

- 1) What is Hydrographic Survey?
- 2) Define Sounding.
- 3) Define Tides.
- 4) What is route surveying?
- 5) What is Mean sea level?
- 6) Define Fathometer.
- 7) What is Photographic Survey?
- 8) What is a simple curve?
- 9) Define transition curves
- 10) What is Parallax?
- 11) What are the types of curves?
- 12) List the functions of transition curves.
- 13) Enumerate the objectives of route surveys.
- 14) State the differences between lunar tides and solar tides.
- 15) Distinguish between compound and reverse curves.
- 16) Describe Fathometer.
- 17) Classify the types of curves.
- 18) Classify the different equipment's needed for soundings.
- 19) Classify the instrumental methods for setting out a circular curve.
- 20) Write the equation of time



- 21) Write a short note on echo-sounding.
- 22) What are the components of a single curve?
- 23) What are the objectives of route surveys?

PART-B(13 marks)

- 1) Explain briefly components of hydrographic survey?
- 2) List the different methods of locating soundings. Explain any two methods.
- 3) State the equipment used for soundings and explain them.
- 4) What is a three point problem in hydrographic surveying? What are the various solution for the Problems? Explain any one method.
- 5) Explain briefly the different methods of prediction of tides.
- 6) With the help of suitable sketches, describe the following methods of locating soundings.
 - (i) Location by range and one angle from the shore. (6)
 - (ii) Location by two angles from the shore.(7)
- 7) What is a three point problem in hydrographic surveying? List the various solutions for the problem? Explain in detail.
- 8) Describe briefly the different methods of prediction of tides.
- 9) (i) What is Eco Sounding? Explain the Advantages.(8)
(ii) Define the term MSL. How it is Established?(5)
- 10) (i) Summarize briefly the procedures for setting out compound curve.(7)
(ii) How reconnaissance survey is conducted for railway project? (6)
- 11) (i) Classify the different types of tides? Explain any two. (6)
(ii) Explain the various sounding methods.(7)
- 12) (i) Summarize briefly the procedures for setting out compound curve.(7)
(ii) How reconnaissance survey is conducted for railway project? (6)
- 13) What is reconnaissance survey? Explain
- 14) Briefly explain "reverse curves and shift of a transition curve"
- 15) Explain in detail about Tunnel alignment and Mine surveying.
- 16) What are the various applications of Hydrographic surveying?(ND 2018)

PART-C(15 marks)

- 1) Elaborate the advancements in route surveying of highways/ Water ways/ Railways.
- 2) Enumerate the various investigations involved in hydrographic surveying.
- 3) Explain the Curve Setting methods using appropriate case studies.

Subject In-charge
(P. Prema sundari)



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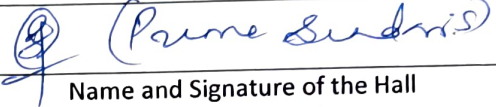


INTERNAL TEST-SAMPLE TEST PAPER

INTERNAL TEST - I / II

- a) Register Number :

9	2	0	8	1	9	1	0	3	0	0	2
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- b) Year & Department : *IIIrd & Civil*
- c) Subject code & Title : *GI 8013 & Advanced Surveying*
- d) Date & Session (FN/AN) :
- e) Number of pages used : *10.*

 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)	✓	15				15
	b)						
8.	a)	✓	12				12
	b)						
TOTAL		35					(35)

CO. No.	Total Marks	Attained Marks
CO...1	4+8+15	(39)
CO...2	3+30	(6)

Grand Total	45
	50

Name and Signature of the Faculty
(Prerna Sundaris)

Name and Signature of the HoD
(V. N. SUNDARAJAN)

Internal - II

part-A.

Azimuth.

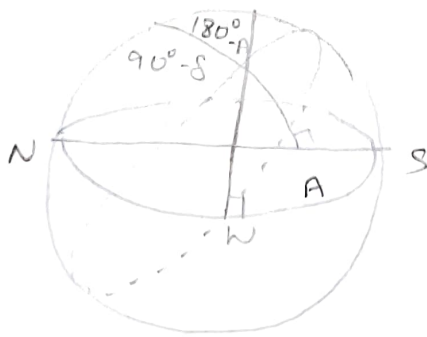
it is thus the arc of the horizon intercepted between the celestial meridian and the vertical circle through the body

it is usual practice to reckon the azimuth clockwise from north in both the hemispheres.

Circumpolar stars

The circumpolar stars are always above the horizon

The circumpolar stars do not set as they are always above the horizon.



rectification

Rectification is the process of reprographing an aerial photograph so



that the effects of tilt are eliminated
The rectification of tilted photograph
taken from a given exposure.

Elements

Variation of the projection distance.

4, Photographic surveying

Photogrammetric surveying is the branch of surveying in which maps are prepared from photographs taken from ground

Photographs are also used for the interpretation of geology, classification of soils & crops.

5, between oblique & vertical photographs.

A tilted photograph is an aerial photograph made with the camera axis unintentionally is known as Tilted photograph

An oblique photograph is the made in an aerial photograph intentionally between the horizontal and the vertical.



Objective	Azimuth	Vertical angle	Sighting level		Readings	
			1 st position	2 nd position	Before	After reversed
A	32° 41' 30"	+10° 21' 12"	11	7.5	10.5	8
B	110° 28' 42"	-2° 18' 30"	11.5	7.0	10.0	7.5

sol

$$\Sigma I = 11 + 10.5 = 21.5 \quad , \quad \Sigma V = 7.5 + 8 = 15.5 \quad , \quad d = 2.0'$$

$$b = \frac{\Sigma I - \Sigma V}{4} \cdot d = \frac{21.5 - 15.5}{4} \times 20 = 30''$$

$$b = +30''$$

left end of the axis is higher

$$c = b \tan x = 30 \tan 10^\circ 21' 12'' = 5'' . 48$$

The vertical angle is the angle of elevation
 are the left-hand end of the bubble is higher
 the correction.

$$= 32^\circ 41' 30'' + 5'' . 48$$

$$= 32^\circ 4'' 35'' . 48$$

Observation to B

$$\Sigma I = 11.5 + 10.0 = 21.5 \quad \Sigma V = 7.0 + 7.5 = 14.5$$



$$b = \frac{\Sigma l - \Sigma r}{4} d = \frac{21.5 - 14.5}{4} \times 20 = +35''$$

left end of the axis is higher

$$\text{Correction } c = b \tan \alpha = 35 \tan 2^{\circ} 18' 30'' \\ = 1.41 \text{ seconds}$$

vertical angle is the angle of depression and left hand end of the bubble tube is higher the correction

$$\text{Correction azimuth} = 110^{\circ} 28' 42'' - 1' \cdot 41 = \\ 110^{\circ} 28' 40''.59.$$

$$\text{Hence Horizontal angle b/w A \& B} \Rightarrow 110^{\circ} 28' 40''.59 \\ - 32^{\circ} 41' 35''.48 \\ \Rightarrow 77^{\circ} 47' 5''.11.$$

part-c

7, sol

flying height $F = 30 \text{ cm}$

$$\frac{H(m)}{F(m)} = \frac{H(m)}{0.3(m)} = \frac{12000}{1}$$

$$H = 12,000 \times 0.3 = 3600 \text{ m above globe}$$

$$\text{Height above datum} = 3600 + 400 = 4000 \text{ m}$$



ii) Ground spacing of flight lines

The ground width covered by each photograph with 30% side lap is given by

$$= (1 - pw) s_c$$

w - width of photograph = 20 cm

$$s = \text{scale} = \frac{H(m)}{F(m)} = \frac{3600(m)}{30(m)} = 120$$

$$1 \text{ cm} = 120 \text{ m}$$

$$pw = 0.30$$

$$w = (1 - 0.3) 120 \times 20 = 1680 \text{ m}$$

iii) Number of flight line Required

$$N_2 = \frac{L_2}{(1 - pw) s_w} + 1 = \frac{L_2}{w} + 1 = \frac{24000}{1680}$$

$$= 14.28 + 1 = 16$$

$$N_2 = 16$$

iv) Actual spacing of flight lines

$N_2 = 16$, number of flight strip
spacing = 15

$$\text{Actual spacing} = \frac{24000}{15} = 1600 \text{ m}$$



v-) spacing flight lines

scale of 1 : 60000 (03) 1mm = 600 m

ground distance

vi) Ground distance b/w exposure

over lap of 60%. $L = (1 - P_r) S_l = (1 - 0.6) \times 126 \times 100$

$$L = 960 \text{ m}$$

vii) Exposure Interval:

$$v = 200 \text{ km/hr} = \frac{200 \times 1000}{60 \times 60} \text{ m/sec}$$

$$= 55.56 \text{ m/sec}$$

The required exposure interval is $\frac{960 \text{ (m)}}{55.5 \text{ (m/sec)}}$

$$= 17.3 \text{ sec} \approx 17 \text{ sec}$$

viii) Adjust ground distance b/w exposure

$$L = v \times T = 55.56 \text{ m/sec} \times 17.0 \text{ (sec)}$$

$$L = 945 \text{ m}$$

ix) Number of photograph per flight time

$$N_1 = \frac{L}{(1 - P_r) S_l} + 1 = \frac{L}{L} + 1$$



$$= \frac{30000}{945} + 1 = 31.6 + 1$$

$$N_1 = 33$$

x.) Total Number of photographs required is

$$N = N_1 \times N_2 = 33 \times 16 = 528$$

8.) Applications of Aerial photographs

The uses are

- i) preliminary survey
- ii) Acquisition of land
- iii) water supply and power scheme
- iv) Transmission lines
- v.) Road and Railway Engineering
- vi) Town and Country planning
- vii) Land drainage and flood

i) Preliminary survey

prior to planning large scale engineering project sufficient of 6" to a mile (1:1000) scale maps are available



These maps can very rapidly and easily be obtained by conducting preliminary survey from a i& to a scale sufficient for locating aliging prior to construction.

2) Acquisition of land

The presence of a surveyor i& an area proposed to be developed has the remarkable effect i& increasing land value of adjoining land.

surveying from air abes not both about that.

3) water supply & power schemes

Careful interpretation of air photograph for understanding the nature of the terrain and soil

selection and supply of Reservoir sites, catchments area and Ram sites have been carried

Transmission Lines

The selection of actual position of transmission towers, their spacing foundation



of clearance of wire can be done easily on their air photographs with the aid of stereoscope

Road & Railway Engineering

Maps produced from air photographs aided by ground measurement for height control enable a road

The density of vehicular traffic can also be determined

Town and Country Planning

for a town planner the problem is to have general picture of the existing condition as well as

land drainage and flood prevention

large swampy and places which are inaccessible to a ground surveying for surveying in connection with drainage problem can be easily surveyed from air



⑧ Navigation channels Harbours and Coastal
defences

Air photographs by tone variation will indicate the nature of banks, soil, ~~resents~~ presents of soil and sand mapping from them. Indicates the cast where erosion is taking place and the coast line.





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Phone No: 04544- 246 500, 246501, 246502.

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



CLASS COMMITTEE MEETING



NPR College of Engineering & Technology
NPR Nagar, Natham, Dindigul - 624401, Tamil Nadu, India
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**DEPARTMENT OF CIVIL ENGINEERING
CLASS COMMITTEE MEETING**

Date: 17.08.2020


CIRCULAR

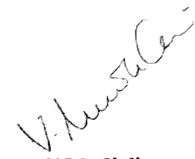
All the faculty members who are handling for the second year and student members of class committee are asked to attend the class committee meeting- I through online mode using Google meet on 19.08.2020 at 12.45 pm.

CLASS COMMITTEE MEETING-I

AGENDA

1. Academic schedule
2. Regulation of the Programme
3. Attendance requirements
4. General Discipline


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


HOD-Civil
Mr.V.Muthukumar

Name	Designation
Mr.P.Madasamy	AP/Maths
Mr.C.Vijayakumar	AP/CIVIL
Ms.E.Madhu mathiSuriya	AP/CIVIL
Mr.N.Karthic	AP/CIVIL
Mr.V.Ganesh Ram	AP/CIVIL
Mr.U.Karthick	AP/CIVIL
Mrs.K.Kavitha	AP/S&H

Name of the student	Year and Section
Mr.N.Arun Kumar	II -CIVIL
Ms.Jeevitha	II -CIVIL
Ms.S.Saranya Devi	II -CIVIL
Mr.K.Sudharsan	II -CIVIL
Mr.R.Venkatesan	II -CIVIL



DEPARTMENT OF CIVIL ENGINEERING

MINUTES OF THE CLASS COMMITTEE MEETING- I

First class committee meeting for the academic year 2020-2021 odd semester for second year Civil was conducted through online mode at 12.45 p.m. the following points were discussed in the meeting

1. Academic schedule

- Students were elucidated about the academic schedule for the current academic year (2020-2021 ODD).
- As per Anna University academic schedule the institution academic calendar was prepared, which consists of two internal tests and one model examination test.

2. Regulation of the Programme

- Students were explained about their regulation (regulation 2017).
- As per the regulation students are instructed to complete their course not more than 14 semesters (for HSC) and 12 semesters (for Lateral Entry).
- Weightages of Theory and Laboratory course were discussed with the students.

3. Attendance requirements

- Students are expected to attend all the classes of all the subjects and secure 100 percentage attendances.
- In case of unavoidable reasons (Medical/ Sports) the student is expected to attend at least 75% of the classes.

4. General Discipline

- Student members are advised to attend the online classes regularly with full attention.
- Students were instructed to mute their audio while attending the class



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
1	MA8353	Transforms and Partial Differential Equations	Mr.P.Madasamy	AP/CIVIL	Unit 1 in progress	-	
2	CE8301	Strength of Materials I	Mr.C.Vijayakumar	AP/CIVIL	Unit 1 in progress	-	
3	CE8302	Fluid Mechanics	Ms.E.Madhu mathiSuriya	AP/CIVIL	Unit 1 in progress	-	
4	CE8391	Construction Materials	Mr.N.Karthic	AP/CIVIL	Unit 1 in progress	-	
5	CE8392	Engineering Geology	Mr.V.Ganesh Ram	AP/CIVIL	Unit 1 in progress	Need Video presentation	
6	CE8351	Surveying	Mr.U.Karthick	AP/CIVIL	Unit 1 in progress	Need PPT Presentation	
7	CE 8311	Construction Materials Laboratory	Mr.N.Karthic	AP/CIVIL	Introduction given	-	
8	CE 8361	Surveying Laboratory	Mr.U.Karthick	AP/CIVIL	Introduction given	-	
9	HS8381	Interpersonal Skills/ Listening And Speaking	Mrs.K.Kavitha	AP/S&H	Introduction given	-	





GRIEVANCES/SUGGESTIONS FROM STUDENTS:

1. Need PPT Presentation for the subject surveying.
2. Need Video presentation for the subject Engineering Geology.

Members Present:

S.No.	Members	Name	Designation/Department
1	Head of the Department	Mr.V.Muthukumar	HoD/CIVIL
2	Chairperson	Mrs.S.T.Saranya	AP/EEE
3	Faculty Members handling the Subjects	Mr.P.Madasamy	AP/Maths
		Mr.C.Vijayakumar	AP/CIVIL
		Ms.E.Madhu mathiSuriya	AP/CIVIL
		Mr.N.Karthic	AP/CIVIL
		Mr.V.Ganesh Ram	AP/CIVIL
		Mr.U.Karthick	AP/CIVIL
4	Student Representatives	Mrs.K.Kavitha	AP/S&H
		Mr.N.Arun Kumar	II -CIVIL
		Ms.Jeevitha	II -CIVIL
		Ms.S.Saranya Devi	II -CIVIL
		Mr.K.Sudharsan	II -CIVIL
		Mr.R.Venkatesan	II -CIVIL


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


HOD/CIVIL
Mr.V.Muthukumar





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DEPARTMENT OF CIVIL ENGINEERING

Date:24.08.2020


ACTION TAKEN REPORT: CLASS COMMITTEE MEETING-I


CLASS COMMITTEE MEETING-I		ACADEMIC YEAR-2020-2021(ODD)	
Class: II CIVIL	Date: 19.08.2020	Time: 12.45P.M	Google Meet Link:

S.No	SUGGESTIONS/ GRIEVANCES	CORRECTIVE ACTION
1	Need PPT Presentation for the subject surveying.	Subject handling faculty prepared PPT for the first unit.
2	Need Video presentation for the subject Engineering Geology.	Demonstration videos are collected and presented to the students.


Class In-Charge
Mrs.S.Premasundari
(AP/CIVIL)




HOD/CIVIL
Mr.V.Muthukumar


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



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DEPARTMENT OF CIVIL ENGINEERING CLASS COMMITTEE MEETING

Date: 17.08.2020

CIRCULAR

All the faculty members who are handling for the third year and student members of class committee are asked to attend the class committee meeting- I through online mode using Google meet on 20.08.2020 at 12.45 pm.

CLASS COMMITTEE MEETING-I

AGENDA

1. Academic schedule
2. Regulation of the Programme
3. Attendance requirements
4. General Discipline


Chair Person

Mr.T.Bala Subramaniyan
(AP/MECH)



HOD-Civil
Mr.V.Muthukumar

Name	Designation
Mr.V.Muthukumar	AP/CIVIL
Mrs.A.Saranya Jenifer	AP/CIVIL
Mr.S.Alagu Dharmaraj	AP/CIVIL
Mr. K.Karuppasamy	AP/CIVIL
Mr.S.Darwin	AP/CIVIL
Mr.V.Prakash	AP/CIVIL

Name of the student	Year and Section
Ms.D.Abitha	IV -CIVIL
Mr.S.Guhan	IV -CIVIL
Ms.M.Rubini Priya	IV -CIVIL
Ms.S.Surya Prabha	IV -CIVIL
Mr. K.Yokesh Surya	IV -CIVIL



DEPARTMENT OF CIVIL ENGINEERING

MINUTES OF THE CLASS COMMITTEE MEETING- I

First class committee meeting for the academic year 2020-2021 odd semester for final year Civil was conducted through online mode at 12.45 p.m. the following points were discussed in the meeting

1. Academic schedule

- Students were elucidated about the academic schedule for the current academic year (2020-2021 ODD).
- As per Anna University academic schedule the institution academic calendar was prepared, which consists of two internal tests and one model examination test.

2. Regulation of the Programme

- Students were explained about their regulation (regulation 2017).
- As per the regulation students are instructed to complete their course not more than 14 semesters (for HSC) and 12 semesters (for Lateral Entry).
- Weightages of Theory and Laboratory course were discussed with the students.

3. Attendance requirements

- Students are expected to attend all the classes of all the subjects and secure 100 percentage attendance.
- In case of unavoidable reasons (Medical/ Sports) the student is expected to attend at least 75% of the classes.

4. General Discipline

- Student members are advised to attend the class on time regularly and follow the proper dress code



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
1	CE8701	Estimation, Costing and Valuation Engineering	Mr.V.Muthukumar	AP/CIVIL	Unit 1 in progress	-	
2	CE8702	Railways, Airports, Docks and Harbour Engg	Mrs.A.Saranya Jenifer	AP/CIVIL	Unit 1 in progress	-	
3	CE8703	Structural Design and Drawing	Mr.S.Alagu Dharmaraj	AP/CIVIL	Unit 1 in progress	-	
4	EN8591	Municipal Solid Waste Management	Mr. K.Karuppasamy	AP/CIVIL	Unit 1 in progress	-	
5	OML75 1	Testing of materials	Mr.S.Darwi	AP/CIVIL	Unit 1 in progress	-	
6	CE8711	Creative Innovative project	Mr.V.Prakash	AP/CIVIL	Unit 1 in progress	-	

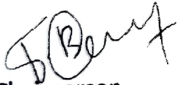


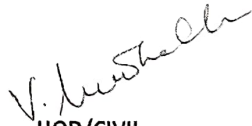
GRIEVANCES/SUGGESTIONS FROM STUDENTS:

1. Need plan drawings for estimation subject
2. Need PowerPoint presentation for the subject Municipal Solid Waste Management.



Members Present:

S.No.	Members	Name	Designation/Department
1	Head of the Department	Mr.V.Muthukumar	HoD/CIVIL
2	Chairperson	Mr.T.Bala Subramaniyan	AP/MECH
3	Faculty Members handling the Subjects	Mr.V.Muthukumar	AP/CIVIL
		Mrs.A.Saranya Jenifer	AP/CIVIL
		Mr.S.Alagu Dharmaraj	AP/CIVIL
		Mr. K.Karuppasamy	AP/CIVIL
		Mr.S.Darwin	AP/CIVIL
		Mr.V.Prakash	AP/CIVIL
4	Student Representatives	Ms.D.Abitha	IV - CIVIL
		Mr.S.Guhan	IV - CIVIL
		Ms.M.Rubini Priya	IV - CIVIL
		Ms.S.Surya Prabha	IV - CIVIL
		Mr. K.Yokesh Surya	IV - CIVIL


Chairperson
T.Bala Subramaniyan
(AP/MECH)


HOD/CIVIL
Mr.V.Muthukumar



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DEPARTMENT OF CIVIL ENGINEERING

Date:29.08.2020

ACTION TAKEN REPORT: CLASS COMMITTEE MEETING-I

CLASS COMMITTEE MEETING-I		ACADEMIC YEAR-2020-2021(ODD)	
Class: III CIVIL	Date: 20.08.2021	Time: 12.45P.M	Google Meet link:

S.No	SUGGESTIONS/ GRIEVANCES	CORRECTIVE ACTION
1	Need plan drawings for estimation subject	Issued
2	Need PowerPoint presentation for the subject Municipal Solid Waste Management.	Subject faculty instructed to present class with ppt.

cas
Class In-charge
 Mr.K.Selvam
 (AP/CIVIL)

N. Muthukumar
HOD/CIVIL
 Mr.V.Muthukumar



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



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DEPARTMENT OF CIVIL ENGINEERING CLASS COMMITTEE MEETING

Date: 17.08.2020

CIRCULAR

All the faculty members who are handling for the third year and student members of class committee are asked to attend the class committee meeting- I through online mode using Google meet on 21.08.2020 at 12.45 pm.

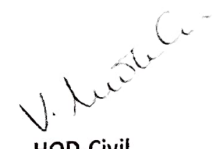
CLASS COMMITTEE MEETING-I

AGENDA

1. Academic schedule
2. Regulation of the Programme
3. Attendance requirements
4. General Discipline


Chair Person

Mr.J.Sabarish
(AP/ECE)


HOD-Civil
Mr.V.Muthukumar

Name	Designation
Mr.P.Manikandan	AP/Maths
Mr.K.Shanthakumar	AP/CIVIL
Mr.K.Meiyalakan	AP/CIVIL
Mr.K.Selvam	AP/CIVIL
Mrs.S.Premasundari	AP/CIVIL
Mr.P.Balamurugan	AP/CIVIL
Mrs.C.Selvi	AP/CIVIL
Mr.T.K.Prasanna	AP/CIVIL

Name of the student	Year and Section
Mr.N.Ajaykannan	III - CIVIL
Ms.K.Kalyani	III - CIVIL
Ms.A.Revathy	III - CIVIL
Mr.A.Vetrivel	III - CIVIL
Mr.M.Ramalakshmi	III - CIVIL





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DEPARTMENT OF CIVIL ENGINEERING

MINUTES OF THE CLASS COMMITTEE MEETING- I

First class committee meeting for the academic year 2020-2021 odd semester for third year Civil was conducted through online mode at 12.45 p.m. the following points were discussed in the meeting

1. Academic schedule

- Students were elucidated about the academic schedule for the current academic year (2020-2021 ODD).
- As per Anna University academic schedule the institution academic calendar was prepared, which consists of two internal tests and one model examination test.

2. Regulation of the Programme

- Students were explained about their regulation (regulation 2017).
- As per the regulation students are instructed to complete their course not more than 14 semesters (for HSC) and 12 semesters (for Lateral Entry).
- Weightages of Theory and Laboratory course were discussed with the students.

3. Attendance requirements

- Students are expected to attend all the classes of all the subjects and secure 100 percentage attendance.
- In case of unavoidable reasons (Medical/ Sports) the student is expected to attend at least 75% of the classes.

4. General Discipline

- Student members are advised to come to the college regularly and follow the proper dress code



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	CESS01	Design Of Reinforced Cement Concrete Elements	Mr.P.Manikandan	AP/CIVIL	1 Unit Completed	No issues		
2	CESS02	Structural Analysis I	Mr.K.Shanthakumar	AP/CIVIL	1 Unit Completed	Need more solved problems		
3	EN8491	Water Supply Engineering	Mr.K.Meiyalakan	AP/CIVIL	1 Unit Completed	Need class notes		
4	CE8591	Foundation Engineering	Mr.K.Selvam	AP/CIVIL	1 Unit Completed	No issues		
5	GI8013	Advanced Surveying	Mrs.S.Premasundari	AP/CIVIL	1 Unit Completed	Need handwritten notes for all the units		
6	OAI551	Environment And Agriculture	Mr.P.Balamurugan	AP/CIVIL	1 Unit Completed	No issues		
7	CE8511	Soil Mechanics Laboratory	Mrs.C.Selvi	AP/CIVIL	-	-		
8	CE8512	Water And Waste Water Analysis Laboratory	Mr.T.K.Prasanna	AP/CIVIL	-	-		



GRIEVANCES/SUGGESTIONS FROM STUDENTS:

1. Need PPT Presentation for the subject Water Supply Engineering.
2. Need Video presentation for the subject Environmental Agriculture.

Members Present:

S.No.	Members	Name	Designation/Department
1	Head of the Department	Mr.V.Muthukumar	HoD/CIVIL
2	Chairperson	Mr.J.Sabarish	AP/ECE
3	Faculty Members handling the Subjects	Mr.P.Manikandan	AP/CIVIL
		Mr.K.Shanthakumar	AP/CIVIL
		Mr.K.Meiyalakan	AP/CIVIL
		Mr.K.Selvam	AP/CIVIL
		Mrs.S.Premasundari	AP/CIVIL
		Mr.P.Balamurugan	AP/CIVIL
		Mrs.C.Selvi	AP/CIVIL
		Mr.T.K.Prasanna	AP/CIVIL
4	Student Representatives	Mr.N.Ajaykannan	III - CIVIL
		Ms.K.Kalyani	III - CIVIL
		Ms.A.Revathy	III - CIVIL
		Mr.A.Vetrivel	III - CIVIL
		Mr.M.Ramalakshmi	III - CIVIL

Chairperson
Mr.J.Sabarish
(AP/ECE)



V. Muthukumar
HOD/CIVIL
Mr.V.Muthukumar



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DEPARTMENT OF CIVIL ENGINEERING

Date: 31.08.2020

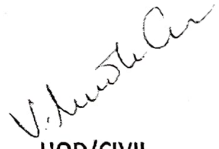
ACTION TAKEN REPORT: CLASS COMMITTEE MEETING-I


CLASS COMMITTEE MEETING-I		ACADEMIC YEAR-2020-2021(ODD)	
Class: III CIVIL	Date: 21.08.2021	Time: 12.45P.M	Venue: III CIVIL Class Room

S.No	SUGGESTIONS/ GRIEVANCES	CORRECTIVE ACTION
1	Need PPT Presentation for the subject Water Supply Engineering	Subject handling faculty prepared PPT for the first unit.
2	Need Video presentation for the subject Environmental Agriculture	Demonstration videos are collected.


Class In-charge
Mr.C.Vijayakumar
(AP/CIVIL)




HOD/CIVIL
Mr.V.Muthukumar


Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
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FINAL YEAR PROJECTS & PROJECTS REVIEW



NPR College of Engineering & Technology

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

Year/Semester/Section : IV / 08

Branch : Civil Engineering

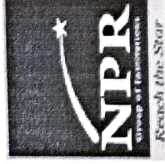
Subject Code and Name : CE 8811-PROJECT WORK

Academic year : 2020- 2021

Batch : 2017-2021

BATC H NO	REGISTER NUMBER	STUDENT NAME	PROJECT TITLE	GUIDE NAME
1	920817103005	Abitha D	EXPERIMENTAL ANALYSIS OF LEACHATE TREATMENT USING LOW COST ADSORBENTS	Ms.E.MADHUMATHI SURIYA,ME.,
	920817103038	Ramana Swetha U.B		
2	920817103004	Abinaya S	ANALYSIS OF SOIL PROFILE USING QGIS	Dr.A.HEMALATHA M.tech, PhD.,
	920817103008	Ajitha R		
3	920817103022	Karthikeyan D	EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT OF PROSOPIS JULIFLORA IN COARSE AGGREGATE AND ADDITION OF EGGSHELL POWDER BY CEMENT	Dr.A.HEMALATHA M.tech, PhD.,
	920817103032	Naveenchandran V		
4	920817103050	Surya R	EXPERIMENTAL STUDY AND COMPARATIVE ANALYSIS OF PARTIAL REPLACEMENT OF BLACK COTTON SOIL WITH NORMAL BRICK	Mr. K.SELVAM M.E.,
	920817103017	Gokul S		
5	920817103027	Manikandan K	EXPERIMENTAL STUDIES ON HYBRID FIBER REINFORCED SELF COMPACTING CONCRETE	Mr.C.VIJAYAKUMAR M.E
	920817103043	Sarath M		
6	920817103048	Surya narayanan V.M	EXPERIMENTAL INVESTIGATION ON MODIFIED BITUMINOUS MIXES USING WASTE MATERIALS	Mr.N.KARTHIC M.E.,
	920817103010	Arun Pandian N		
6	920817103011	Bala Krishnan P		
	920817103019	Guhana S		
6	920817103030	Muthukumar R		
	920817103029	Mohan Raj G		
6	920817103033	Niranjan R		
	920817103034	Pothiyalagan K		





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



920817103055	Yogesh surya K	DAIRY INDUSTRIES WASTE WATER TREATMENT USING NATURAL COAGULANTS	Mr. K. SHANTHA KUMAR, M.E
920817103003	Abinaya N.S		
920817103041	Rubini Priya M		
920817103049	Surya Prabha S		
920817103054	Visithra K		
920817103021	Haritharan S	EXPERIMENTAL INVESTIGATION ON PAVER BLOCK USING SILICA FUME AND POLYPROPYLENE FIBRE	Mr.P.MANIKANDAN,M.E.,
920817103026	Logesh T		
920817103036	Prem Kumar K		
920817103024	Kavimalan R	EXPERIMENTAL INVESTIGATION ON COMPRESSIVE STRENGTH ON CONCRETE	Mr.S.PREMASUNDARI,M.E.,
920817103301	Mouneesh B		
920817103502	Sivaram R		



N. S. S. S. S.

PROJECT CO-ORDINATOR

S. No. 1001210101 AP/civil

[Signature]
HOD
(Dr. Arthanatha)

[Signature]

Dr. J.SUNDARARAJAN,

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

Principal

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DEPARTMENT OF CIVIL ENGINEERING

SUBJECT CODE & SUBJECT NAME: CE 8811-PROJECT WORK


YEAR/SEM: IV/08

BATCH : 2017-2021

S.NO	REGISTER NUMBER	NAME	ZEROTH REVIEW	1ST REVIEW	2ND REVIEW	3RD REVIEW	FINAL MARKS
1	920817103005	Abitha D	25	25	25	20	95
2	920817103038	Ramana Swetha U.B	24	24	24	22	94
3	920817103004	Abinaya S	24	24	24	24	96
4	920817103008	Ajitha R	23	20	25	20	88
5	920817103022	Karthikeyan D	25	25	20	20	90
6	920817103032	Naveenchandran V	25	22	23	25	95
7	920817103050	Surya R	25	25	24	24	98
8	920817103017	Gokul S	25	20	20	21	86
9	920817103027	Manikandan K	23	24	22	25	94
10	920817103043	Sarath M	22	22	22	22	88
11	920817103048	Surya narayanan V.M	22	25	23	20	90
12	920817103010	Arun Pandian N	22	22	22	22	88
13	920817103011	Bala Krishnan P	24	24	24	22	94
15	920817103019	Guhan S	20	24	23	25	92
16	920817103030	Muthukumar R	25	20	20	21	86
17	920817103029	Mohan Raj G	24	24	24	22	94
18	920817103033	Niranjana R	24	24	23	22	93
19	920817103034	Pothiyalagan K	25	19	20	21	85
20	920817103055	Yogesh surya K	24	24	25	22	95
21	920817103003	Abinaya N.S	24	24	24	24	96
22	920817103041	Rubini Priya M	25	20	20	21	86
23	920817103049	Surya Prabha S	25	19	20	21	85
24	920817103054	Visithra K	22	25	23	20	90
25	920817103021	Hariharan S	25	24	24	24	97
26	920817103026	Logesh T	22	23	22	22	89
27	920817103036	Prem Kumar K	22	25	24	21	92
28	920817103024	Kavimalan R	24	23	24	24	95
29	920817103301	Mouneesh B	23	24	24	24	95
30	920817103502	Sivaram R	22	21	25	21	89


PROJECT CO-ORDINATOR


HOD-CIVIL


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N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624401

Head of the Department
Department of Civil Engineering
NPR College of Engineering & Technology
Natham, Dindigul (Dt) - 624401



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VALUE ADDED COURSE – SAMPLE CERTIFICATES



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DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that

ASITHAR - 92087103008 - IV - CIVIL ENGINEERING

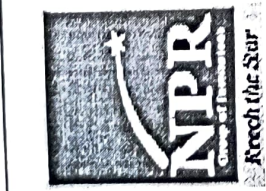
has successfully completed the Add on Course Course on "3D MODELLING BY BUILDING INFORMATION MODELLING" held From 02.04.2021 to 30.04.2021 (32 Hours).

Hemalatha

HOD-CIVIL
 (Dr.A.Hemalatha)



[Signature]
Dr. J.SUNDARARAJAN, PRINCIPAL
 B.E., M.Tech., Ph.D.,
 Principal
 N.P.R. College of Engineering & Technology
 Natham, Dindigul - 624401
 (Dr.J.Sundararajan)



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DEPARTMENT OF CIVIL ENGINEERING

ADD ON COURSE ON “COST ENGINEERING”

COURSE COMPLETION CERTIFICATE

This is to certify that of SANJAY K-920819103004-II-CIVIL has Successfully completed the Add on Course “**COST ENGINEERING**” held on 30.11.2020 to 04.12.2020-30 Hours.

HOD



Dr. J.SUNDARARAJAN,
Principal, NPR College of Engineering & Technology,
NPR Nagar, Natham, Dindigul - 624401.

PRINCIPAL



NPR College of Engineering & Technology

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DEPARTMENT OF CIVIL ENGINEERING

Certificate Course on

"2D AND 3D CAD MODELLING

This is to certify that

JEYNTHA.C - 920819103002 - J - CIVIL ENGINEERING.

*has successfully completed the Certificate Course on "2D
& CAD 3D CAD MODELLING" held From 22.02.2021 to
16.03.2021 (36 Hours).*



Aruna

HOD-CIVIL

DR. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.
PRINCIPAL
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul, Tamil Nadu

NPR



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DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that

RAMANA SDEETHA.V.B - 92081703038 - N-CIVIL ENGINEERING.

has successfully completed the Certificate Course on 'MAPPING & ANALYTICS BY USING ARC GIS' held From 06.12.2020 to 11.12.2020 (36 Hours).

Hemalatha

HOD-CIVIL
(Dr.A.Hemalatha)



[Signature]
Dr. J.SUNDARABANAJAN

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

Principal

PRINCIPAL
NPR College of Engineering & Technology
(Dr.J.Sundarabananajan) Dindigul (Dt)-624401



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



INTERNSHIP /IN-PLANT TRAINING



TMC ENGINEERING PRIVATE LIMITED

Mail: tmcengg@yahoo.com


Website: www.tmcmachines.com

Date: 21.09.2020


TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. S. Subash, II year, B.E., (Civil Engineering)** of NPR College of Engineering & Technology, Natham, Dindigul has successfully completed his In-Plant Training in our research firm on testing of materials from 10.09.2020 to 21.09.2020.

We wish him all success in his future exertion.

For  Pvt. Ltd.
(S.Somasundaramoorthy)




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



TMC ENGINEERING PRIVATE LIMITED

Mail: tmcengg@yahoo.com


Website: www.tmcachines.com

Date: 21.09.2020


TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. K. Sudharsan, II year, B.E., (Civil Engineering)** of NPR College of Engineering & Technology, Natham, Dindigul has successfully completed his In-Plant Training in our research firm on testing of materials from 10.09.2020 to 21.09.2020.

We wish him all success in his future exertion.


For TMC Engg. Pvt. Ltd.
(S. Somasundaramoorthy)




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



Sona Builders
Engineers & Contractors

Er. P. Senthilkumar

Date: 02.11.2020


TO WHOM IT MAY CONCERN

This is to certify that **Ms. M. Rubinipriya (920817103041)**,
B.E. Civil Engineering from NPR College of Engineering & Technology,
Natham has successfully completed her internship during the period
02.10.2020 to 02.11.2020.

For Sona Builders Engineers & Contractors


Er. P. Senthilkumar
Proprietor




Dr. J. SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 461.

2/408/2, F - Block, MVM Nagar Extn., Dindigul - 624 003.
Ph: 0451 2424346, Cell: 96984 46611, E-mail: sonasenthil123@yahoo.co.in

Tin No.33675340834



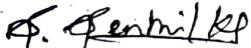
caaliber
CONSTRUCTION
Degree of Excellence

Er.S.Senthil Kumar, DCE.,B.E.(Civil)
Proprietor
Registered Engineer- Madurai Corporation
Mobile: +91-98439 73537


Date: 02.11.2020

TO WHOMSOEVER IT MAY CONCERN

This to certify that Ms. S. Abinaya student from Final year B.E., Civil Engineering, NPR College of Engineering & Technology has successfully completed her Internship in Madurai site. During the period of training from 02.10.2020 to 02.11.2020, her conduct was good.


Er. S. SENTHILKUMAR, DCE., B.E.(Civil)
Proprietor - Caaliber Construction,
12-51, Nethaji Main Road, New Vilangudi,
Madurai - 625 018.

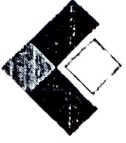



Dr. J.SUNDARARAJAN,
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Natham, Dindigul (Dt) - 624 401.

Address: 12-51 Nethaji main road, New Vilangudi, Madurai- 625 018.

Mail: senthilkumar@caaliberconstruction.com

Website: www.caaliberconstruction.com



WALLS INFRA Constructions

42B, Renga Residency, 1st Street,
Ramakrishna Layout, TVS Nagar,
Edayarpalayam, Coimbatore - 641025

Mail: vimal@wallsinfra.com

Mobile: +91-9585712310

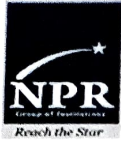
TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. R.Muthukumar , IV year, B.E., Civil Engineering, NPR College of Engineering & Technology, Natham, has completed his internship in site maintenance and site execution during the period 31/08/2020 to 28/09/2020.

Date: 28/09/2020



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



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CURRICULUM COMPLIANCES



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DEPARTMENT OF CIVIL ENGINEERING COMPLIANCES OF CURRICULAM

S.N O	COURSE COMPONENT	COURSE TITLE	TOTAL NUMBER OF CREDITS	TOTAL NUMBER OF CONTACT PERIODS	CURRICULAM CONTENT
1	Humanities and Social Sciences (Hs)	1.HS8151-Communicative English	11	165	6.11%
		2.HS8251-Technical English			
		3.GE8291-Environmental Science and Engineering			
2	Basic Sciences (BS)	1.MA8151-Engineering Mathematics – I	27	405	14.7%
		2.PH8151-Engineering Physics			
		3.CY8151-Engineering Chemistry			
		4.BS8161-Physics and Chemistry Laboratory			
		5.MA8251-Engineering Mathematics – II			
		6.PH8201-Physics for Civil Engineering			
		7.MA8353-Transforms and Partial differential equations			
3	Engineering Sciences (ES)	1.GE8151-Problem Solving and Python Programming.	21	390	11.4%
		2.GE8152-Engineering Graphics			
		3.GE8161-Problem Solving and Python Programming Laboratory			
		4.BE8251-Basic Electrical and Electronics Engineering			
		5.GE8292-Engineering Mechanics			
		6.GE8261-Engineering Practices Laboratory			
		7.CE8392-Engineering Geology			
4	Professional Core (PC)	1.CE8211-Computer Aided Building Drawing	84	1575	45.9%
		2.CE8391-Construction Materials			
		3.CE8301-Strength of Materials I			
		4.CE8302-Fluid Mechanics			
		5.CE8351-Surveying			
		6.CE8481-Strength of Materials Laboratory			
		7.CE8361-Surveying Laboratory			
		8.CE8311-Construction Materials Laboratory			
		9.CE8401-Construction Techniques and Practices			
		10.CE8402-Strength of Materials II			
		11.CE8403-Applied Hydraulic Engineering			
		12.CE8404-Concrete Technology			
		13.CE8491-Soil Mechanics			





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		14.CE8461-Hydraulic Engineering Laboratory			
		15.CE8501-Design of Reinforced Cement Concrete Elements			
		16.CE8502-Structural Analysis I			
		17.CE8511-Soil Mechanics Laboratory			
		18.CE8512-Water and Waste Water Analysis Laboratory			
		19.CE8591-Foundation Engineering			
		20.CE8601-Design of Steel Structural Elements			
		21.CE8602-Structural Analysis II			
		22.CE8603-Irrigation Engineering			
		23.CE8604-Highway Engineering			
		24.CE8611-Highway Engineering Laboratory			
		25.CE8612-Irrigation and Environmental Engineering Drawing			
		26.EN8592-Wastewater Engineering			
		27.EN8491-Water Supply Engineering			
		28.CE8701-Estimation, Costing and Valuation Engineering			
		29.CE8702-Railways, Airports, Docks and Harbour Engineering			
		30.CE8703-Structural Design and Drawing			
5	Employability Enhancement Courses (EEC)	1.HS8381-Interpersonal Skills / Listening and Speaking	19	510	10.4%
		2.HS8461-Advanced Reading and Writing			
		3.CE8513-Survey Camp (2 weeks – During IV Semester)			
		4.HS8581-Professional Communication			
		5.CE8711-Creative and Innovative Project (Activity Based - Subject Related)			
6	Professional Elective (PE)	1.GI8013-Advanced Surveying	15	135	8.19%
		2.CE8001-Ground Improvement Techniques			
		3.CE8018-Geo-Environmental Engineering			
		4.CE8020-Maintenance, Repair and Rehabilitation of Structures			
		5.EN8591-Municipal Solid Waste Management			
7.	Open Elective(OE)	1.OAI 551-Environment and Agriculture	6	90	3.3%
		2.OML 751-Testing of materials			
Total			282	3270	100%

HOD-CIVIL

Ananth
 Head of the Department
 Department of Civil Engineering
 NPR College of Engineering & Technology
 Natham, Dindigul (DT) - 624 401.



PRINCIPAL

J.Sundararajan
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 B.E., M.Tech., Ph.D.,
 Principal
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 Natham, Dindigul (Dt) - 624 401.



NPR College of Engineering & Technology

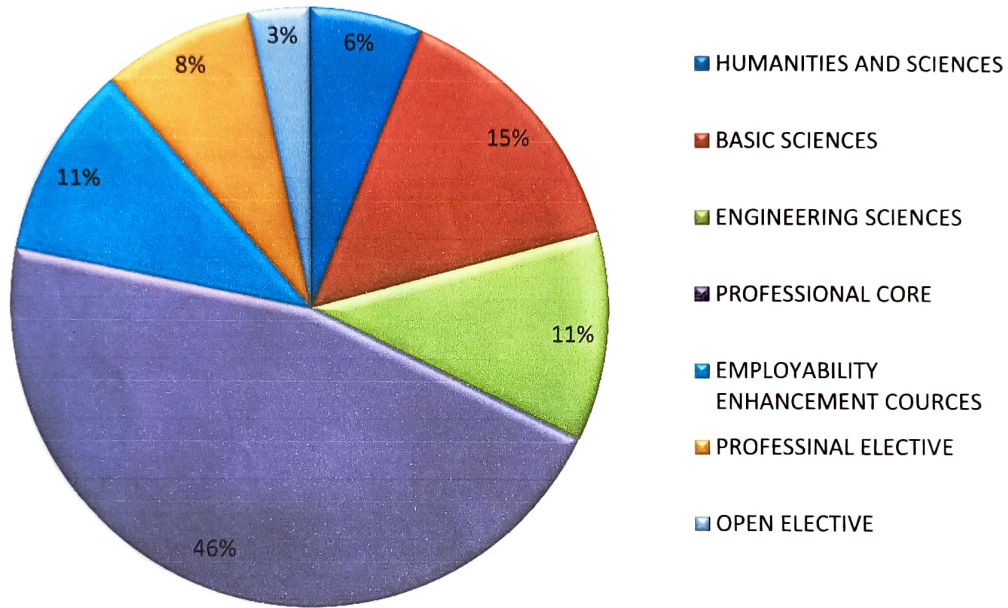
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DEPARTMENT OF CIVIL ENGINEERING

CONTRIBUTION OF CURRICULAM COMPONENTS

PERCENTAGE



Ananth
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J.Sundararajan
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J.Sundararajan
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