

ANNA UNIVERSITY, CHENNAI
NON-AUTONOMOUS AFFILIATED COLLEGES
REGULATIONS 2021
CHOICE BASED CREDIT SYSTEM
B. E. CIVIL ENGINEERING
CURRICULUM AND SYLLABI FOR SEMESTERS I TO VIII

SEMESTER I

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	IP3151	Induction Programme	-	-	-	-	-	0
THEORY								
2.	HS3152	Professional English - I	HSMC	3	0	0	3	3
3.	MA3151	Matrices and Calculus	BSC	3	1	0	4	4
4.	PH3151	Engineering Physics	BSC	3	0	0	3	3
5.	CY3151	Engineering Chemistry	BSC	3	0	0	3	3
6.	GE3151	Problem Solving and Python Programming	ESC	3	0	0	3	3
7.	GE3152	தமிழர் மரபு /Heritage of Tamils	HSMC	1	0	0	1	1
PRACTICALS								
8.	GE3171	Problem Solving and Python Programming Laboratory	ESC	0	0	4	4	2
9.	BS3171	Physics and Chemistry Laboratory	BSC	0	0	4	4	2
10.	GE3172	English Laboratory ¹	EEC	0	0	2	2	1
TOTAL				16	1	10	27	22

¹ Skill Based Course

SEMESTER II

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	HS3252	Professional English - II	HSMC	2	0	0	2	2
2.	MA3251	Statistics and Numerical Methods	BSC	3	1	0	4	4
3.	PH3201	Physics for Civil Engineering	BSC	3	0	0	3	3
4.	BE3252	Basic Electrical, Electronics and Instrumentation Engineering	ESC	3	0	0	3	3
5.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
6.		NCC Credit Course Level 1 [*]	-	2	0	0	2	2 [*]
7.	GE3252	தமிழரும் தொழில்நுட்பமும் / Tamils and Technology	HSMC	1	0	0	1	1
PRACTICALS								
8.	GE3271	Engineering Practices Laboratory	ESC	0	0	4	4	2
9.	BE3272	Basic Electrical, Electronics and Instrumentation Engineering Laboratory	ESC	0	0	4	4	2
10.	GE3272	Communication Laboratory / Foreign Language ¹	EEC	0	0	4	4	2
TOTAL				14	0	14	31	23

^{*} NCC Credit Course level 1 in English for students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.

¹ Skill Based Course



SEMESTER III

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1	MA2301	Transforms and Partial Differential Equations	BSC	2	1	1	4	4
2	ME2301	Engineering Mechanics	ESC	1	1	1	3	3
3	CE2301	Fluid Mechanics	POC	2	1	1	4	4
4	CE2302	Construction Materials and Technology	POC	2	1	1	4	4
5	CE2303	Water Supply and Wastewater Engineering	POC	4	1	1	6	6
6	CE2304	Surveying and Levelling	POC	2	1	1	4	4
PRACTICALS								
7	CE2304	Surveying and Levelling Laboratory	POC	1	1	0	2	1.5
8	CE2311	Water and Wastewater Analysis Laboratory	POC	1	1	0	2	1.5
9	GE2301	Professional Development ¹	BSC	1	1	0	2	1
TOTAL				13	7	3	23	24

¹ Skill Based Course

SEMESTER IV

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1	CE3401	Applied Hydraulics Engineering	POC	2	1	1	4	4
2	CE3402	Strength of Materials	POC	1	0	0	1	1
3	CE3403	Concrete Technology	POC	1	1	1	3	3
4	CE3404	Soil Mechanics	POC	1	1	1	3	3
5	CE3405	Highway and Railway Engineering	POC	1	0	0	1	1
6	GE3401	Environmental Sciences and Sustainability	BSC	2	0	0	2	2
7		NDC Credit Course Level 2 ¹		3	0	0	3	1 ¹
PRACTICALS								
8	CE3411	Hydraulic Engineering Laboratory	POC	0	0	3	3	1.5
9	CE3412	Materials Testing Laboratory	POC	0	0	4	4	2
10	CE3413	Soil Mechanics Laboratory	POC	1	0	3	4	1.5
TOTAL				17	1	10	28	23

¹ NDC Credit Course level 2 is offered for NDC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.



SEMESTER VII/VIII*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	CE3701	Estimation, Costing and Valuation Engineering	PCC	3	0	0	3	3
2.	AI3404	Hydrology and Water Resources Engineering	PCC	3	0	0	3	3
3.	GE3791	Human Values and Ethics	HSMC	2	0	0	2	2
4.	GE3752	Total Quality Management	HSMC	3	0	0	3	3
5.		Open Elective – II**	OEC	3	0	0	3	3
6.		Open Elective – III***	OEC	3	0	0	3	3
7.		Open Elective – IV***	OEC	3	0	0	3	3
TOTAL				19	0	2	21	20

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII

**Open Elective – II shall be chosen from the emerging technologies

***Open Elective III and IV (Shall be chosen from the list of open electives offered by other Programmes)

SEMESTER VIII/VII*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
PRACTICALS								
1.	CE3811	Project Work/Internship	EEC	0	0	20	20	10
TOTAL				0	0	20	20	10

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII

TOTAL CREDITS: 166

MANDATORY COURSES I*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS
				L	T	P	
1.	MX3081	Introduction to Women and Gender Studies	MC	3	0	0	3
2.	MX3082	Elements of Literature	MC	3	0	0	3
3.	MX3083	Film Appreciation	MC	3	0	0	3
4.	MX3084	Disaster Risk Reduction and Management	MC	3	0	0	3

*Mandatory Courses are offered as Non-Credit Courses



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CHOICE BASED CREDIT SYSTEM
B. E. MECHANICAL ENGINEERING
CURRICULUM AND SYLLABI FOR I TO VIII SEMESTERS

SEMESTER I

SL. NO.	COURSE CODE	COURSE TITLE	CATE - GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	IP3151	Induction Programme	-	-	-	-	-	0
THEORY								
2.	HS3152	Professional English - I	HSMC	3	0	0	3	3
3.	MA3151	Matrices and Calculus	BSC	3	1	0	4	4
4.	PH3151	Engineering Physics	BSC	3	0	0	3	3
5.	CY3151	Engineering Chemistry	BSC	3	0	0	3	3
6.	GE3151	Problem Solving and Python Programming	ESC	3	0	0	3	3
7.	GE3152	தமிழர் மரபு/Heritage of Tamils	HSMC	1	0	0	1	1
PRACTICAL								
7	GE3171	Problem Solving and Python Programming Laboratory	ESC	0	0	4	4	2
8	BS3171	Physics and Chemistry Laboratory	BSC	0	0	4	4	2
9	GE3172	English Laboratory [§]	EEC	0	0	2	2	1
TOTAL				16	1	10	27	22

§ Skill Based Course

SEMESTER II

SL. NO.	COURSE CODE	COURSE TITLE	CATE - GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	HS3252	Professional English - II	HSMC	2	0	0	2	2
2.	MA3251	Statistics and Numerical Methods	BSC	3	1	0	4	4
3.	PH3251	Materials Science	BSC	3	0	0	3	3
4.	BE3251	Basic Electrical and Electronics Engineering	ESC	3	0	0	3	3
5.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
6.	GE3252	தமிழரும் தொழில்நுட்பமும் / Tamils and Technology	HSMC	1	0	0	1	1
7.		NCC Credit Course Level 1 [§]	-	2	0	0	2	2
PRACTICAL								
8.	GE3271	Engineering Practices Laboratory	ESC	0	0	4	4	2
9.	BE3271	Basic Electrical and Electronics Engineering Laboratory	ESC	0	0	4	4	2
10.	GE3272	Communication Laboratory / Foreign Language [§]	EEC	0	0	4	4	2
TOTAL				14	1	16	31	23

* NCC Credit Course level 1 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.

§ Skill Based Course



SEMESTER III

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA3351	Transforms and Partial Differential Equations	BSC	3	1	0	4	4
2.	ME3351	Engineering Mechanics	ESC	3	0	0	3	3
3.	ME3391	Engineering Thermodynamics	PCC	3	0	0	3	3
4.	CE3391	Fluid Mechanics and Machinery	ESC	3	1	0	4	4
5.	ME3392	Engineering Materials and Metallurgy	PCC	3	0	0	3	3
6.	ME3393	Manufacturing Processes	PCC	3	0	0	3	3
PRACTICALS								
7.	ME3381	Computer Aided Machine Drawing	ESC	0	0	4	4	2
8.	ME3382	Manufacturing Technology Laboratory	PCC	0	0	4	4	2
9.	GE3361	Professional Development [§]	EEC	0	0	2	2	1
TOTAL				18	2	10	30	25

§ Skill Based Course

SEMESTER IV

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	ME3491	Theory of Machines	PCC	3	0	0	3	3
2.	ME3451	Thermal Engineering	PCC	4	0	0	4	4
3.	ME3492	Hydraulics and Pneumatics	PCC	3	0	0	3	3
4.	ME3493	Manufacturing Technology	PCC	3	0	0	3	3
5.	CE3491	Strength of Materials	PCC	3	0	0	3	3
6.	GE3451	Environmental Sciences and Sustainability	BSC	2	0	0	2	2
7.		NCC Credit Course Level 2*		3	0	0	3	3*
PRACTICALS								
8.	CE3481	Strength of Materials and Fluid Machinery Laboratory	PCC	0	0	4	4	2
9.	ME3461	Thermal Engineering Laboratory	PCC	0	0	4	4	2
TOTAL				18	0	8	26	22

* NCC Credit Course level 2 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.



SEMESTER VII / VIII*

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	ME3791	Mechatronics and IoT	PCC	3	0	0	3	3
2.	ME3792	Computer Integrated Manufacturing	PCC	3	0	0	3	3
3.	GE3791	Human Values and Ethics	HSMC	2	0	0	2	2
4.	GE3792	Industrial Management	HSMC	3	0	0	3	3
5.		Open Elective - II**	OEC	3	0	0	3	3
6.		Open Elective - III***	OEC	3	0	0	3	3
7.		Open Elective - IV***	OEC	3	0	0	3	3
PRACTICALS								
8.	ME3781	Mechatronics and IoT Laboratory	PCC	0	0	4	4	2
9.	ME3711	Summer Internship*	EEC	0	0	0	0	1
TOTAL				20	0	4	24	23

*Two weeks Summer Internship carries one credit and it will be done during VI semester summer vacation and same will be evaluated in VII semester.

**If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

***Open Elective - II shall be chosen from the emerging technologies.

***Open Elective III and IV (Shall be chosen from the list of open electives offered by other Programmes).

SEMESTER VIII / VII*

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
PRACTICALS								
1	ME3811	Project Work / Internship	EEC	0	0	20	20	10
TOTAL				0	0	20	20	10

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

TOTAL CREDITS:167



MANDATORY COURSES I*

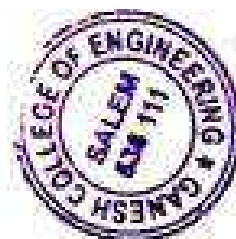
S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS
				L	T	P	
1.	MX3081	Introduction to Women and Gender Studies	MC	3	0	0	3
2.	MX3082	Elements of Literature	MC	3	0	0	3
3.	MX3083	Film Appreciation	MC	3	0	0	3
4.	MX3084	Disaster Risk Reduction and Management	MC	3	0	0	3

*Mandatory Courses are offered as Non-Credit courses

MANDATORY COURSES II*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS
				L	T	P	
1.	MX3085	Well Being with Traditional Practices - Yoga, Ayurveda and Siddha	MC	3	0	0	3
2.	MX3086	History of Science and Technology in India	MC	3	0	0	3
3.	MX3087	Political and Economic Thought for a Humane Society	MC	3	0	0	3
4.	MX3088	State, Nation Building and Politics in India	MC	3	0	0	3
5.	MX3089	Industrial Safety	MC	3	0	0	3

*Mandatory Courses are offered as Non-Credit courses



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B.E. ELECTRICAL AND ELECTRONICS ENGINEERING
CURRICULUM AND SYLLABI FOR SEMESTERS I TO VIII
SEMESTER - I

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	IP3151	Induction Programme	-	-	-	-	-	0
THEORY								
2.	HS3152	Professional English - I	HSMC	3	0	0	3	3
3.	MA3151	Matrices and Calculus	BSC	3	1	0	4	4
4.	PH3151	Engineering Physics	BSC	3	0	0	3	3
5.	CY3151	Engineering Chemistry	BSC	3	0	0	3	3
6.	GE3151	Problem Solving and Python Programming	ESC	3	0	0	3	3
7.	GE3152	தமிழர் தொழில் / Heritage of Tamils	HSMC	1	0	0	1	1
PRACTICALS								
8.	GE3171	Problem Solving and Python Programming Laboratory	ESC	0	0	4	4	2
9.	BS3171	Physics and Chemistry Laboratory	BSC	0	0	4	4	2
10.	GE3172	English Laboratory [§]	EEC	0	0	2	2	1
TOTAL				16	1	10	27	22

[§] Skill Based Course

SEMESTER - II

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	HS3252	Professional English - II	HSMC	2	0	0	2	2
2.	MA3251	Statistics and Numerical Methods	BSC	3	1	0	4	4
3.	PH3202	Physics for Electrical Engineering	BSC	3	0	0	3	3
4.	BE3255	Basic Civil and Mechanical Engineering	ESC	3	0	0	3	3
5.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
6.	EE3251	Electric Circuit Analysis	PCC	3	1	0	4	4
7.		NCC Credit Course Level 1 [¶]	-	2	0	0	2	2 [¶]
8.	GE3252	தமிழர் தொழில்நுட்பம் / Tamils and Technology	HSMC	1	0	0	1	1
PRACTICALS								
8.	GE3271	Engineering Practices Laboratory	ESC	0	0	4	4	2
9.	EE3271	Electric Circuits Laboratory	PCC	0	0	4	4	2
	GE3272	Communication Laboratory / Foreign Language [§]	EEC	0	0	4	4	2
TOTAL				17	2	16	35	27

[¶] NCC Credit Course level 1 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same will not be considered for the computation of CGPA.
[§] Skill Based Course



SEMESTER III

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA3303	Probability and Complex Functions	BSC	3	1	0	4	4
2.	EE3301	Electromagnetic Fields	PCC	3	1	0	4	4
3.	EE3302	Digital Logic Circuits	PCC	3	0	0	3	3
4.	EC3301	Electron Devices and Circuits	PCC	3	0	0	3	3
5.	EE3303	Electrical Machines - I	PCC	3	0	0	3	3
6.	CS3353	C Programming and Data Structures	PCC	3	0	0	3	3
PRACTICALS								
7.	EC3311	Electronic Devices and Circuits Laboratory	PCC	0	0	3	3	1.5
8.	EE3311	Electrical Machines Laboratory - I	PCC	0	0	3	3	1.5
9.	CS3362	C Programming and Data Structures Laboratory	PCC	0	0	3	3	1.5
10.	GE3361	Professional Development [§]	EEC	0	0	2	2	1
TOTAL				18	2	11	31	25.5

§ Skill Based Course

SEMESTER IV

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	GE3451	Environmental Sciences and Sustainability	BSC	2	0	0	2	2
2.	EE3401	Transmission and Distribution	PCC	3	0	0	3	3
3.	EE3402	Linear Integrated Circuits	PCC	3	0	0	3	3
4.	EE3403	Measurements and Instrumentation	PCC	3	0	0	3	3
5.	EE3404	Microprocessor and Microcontroller	PCC	3	0	0	3	3
6.	EE3405	Electrical Machines - II	PCC	3	0	0	3	3
7.		NCC Credit Course Level 2 [§]		3	0	0	3	3 [§]
PRACTICALS								
8.	EE3411	Electrical Machines Laboratory - II	PCC	0	0	3	3	1.5
9.	EE3412	Linear and Digital Circuits Laboratory	PCC	0	0	3	3	1.5
10.	EE3413	Microprocessor and Microcontroller laboratory	PCC	0	0	3	3	1.5
TOTAL				17	0	9	26	21.5

§ NCC Credit Course level 2 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.



SEMESTER III

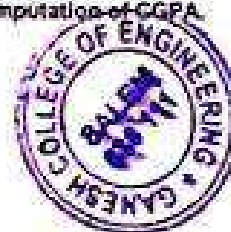
S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA3303	Probability and Complex Functions	BSC	3	1	0	4	4
2.	EE3301	Electromagnetic Fields	PCC	3	1	0	4	4
3.	EE3302	Digital Logic Circuits	PCC	3	0	0	3	3
4.	EC3301	Electron Devices and Circuits	PCC	3	0	0	3	3
5.	EE3303	Electrical Machines - I	PCC	3	0	0	3	3
6.	CS3353	C Programming and Data Structures	PCC	3	0	0	3	3
PRACTICALS								
7.	EC3311	Electronic Devices and Circuits Laboratory	PCC	0	0	3	3	1.5
8.	EE3311	Electrical Machines Laboratory - I	PCC	0	0	3	3	1.5
9.	CS3362	C Programming and Data Structures Laboratory	PCC	0	0	3	3	1.5
10.	GE3361	Professional Development*	EEC	0	0	2	2	1
TOTAL				18	2	11	31	25.5

§ Skill Based Course

SEMESTER IV

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	GE3451	Environmental Sciences and Sustainability	BSC	2	0	0	2	2
2.	EE3401	Transmission and Distribution	PCC	3	0	0	3	3
3.	EE3402	Linear Integrated Circuits	PCC	3	0	0	3	3
4.	EE3403	Measurements and Instrumentation	PCC	3	0	0	3	3
5.	EE3404	Microprocessor and Microcontroller	PCC	3	0	0	3	3
6.	EE3405	Electrical Machines - II	PCC	3	0	0	3	3
7.		NCC Credit Course Level 2*		3	0	0	3	3*
PRACTICALS								
8.	EE3411	Electrical Machines Laboratory - II	PCC	0	0	3	3	1.5
9.	EE3412	Linear and Digital Circuits Laboratory	PCC	0	0	3	3	1.5
10.	EE3413	Microprocessor and Microcontroller laboratory	PCC	0	0	3	3	1.5
TOTAL				17	0	9	26	21.5

* NCC Credit Course level 2 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.



SEMESTER VIII/VIII *

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	EE3701	High Voltage Engineering	PCC	3	0	0	3	3
2.	GE3791	Human Values and Ethics	HSMC	2	0	0	2	2
3.		Elective – Management [†]	HSMC	3	0	0	3	3
4.		Open Elective – II**	OEC	3	0	0	3	3
5.		Open Elective – III ***	OEC	3	0	0	3	3
6.		Open Elective – IV ***	OEC	3	0	0	3	3
7.		Professional Elective VII	PEC	3	0	0	3	3
TOTAL				20	0	0	20	20

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

† Elective - Management shall be chosen from the Elective Management Courses

**Open Elective – II shall be chosen from the emerging technologies

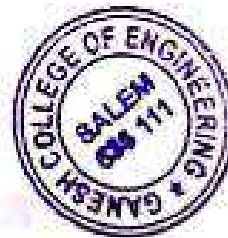
***Open Elective III and IV (shall be chosen from the list of open electives offered by other Programmes).

SEMESTER VIII/VII*

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
PRACTICALS								
1.	EE3811	Project Work / Internship	EEC	0	0	20	20	10
TOTAL				0	0	20	20	10

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

TOTAL CREDITS: 167



MANDATORY COURSES I*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS
				L	T	P	
1	MX3081	Introduction to Women and Gender Studies	MC	3	0	0	3
2.	MX3082	Elements of Literature	MC	3	0	0	3
3.	MX3083	Film Appreciation	MC	3	0	0	3
4.	MX3084	Disaster Risk Reduction and Management	MC	3	0	0	3

*Mandatory courses are offered as Non-Credit courses

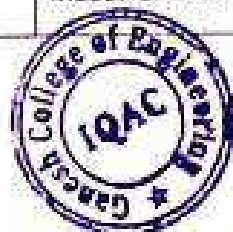
MANDATORY COURSES II*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS
				L	T	P	
1.	MX3085	Well Being with Traditional Practices - Yoga, Ayurveda and Siddha	MC	3	0	0	3
2.	MX3086	History of Science and Technology in India	MC	3	0	0	3
3.	MX3087	Political and Economic Thought for a Humane Society	MC	3	0	0	3
4.	MX3088	State, Nation Building and Politics in India	MC	3	0	0	3
5.	MX3089	Industrial Safety	MC	3	0	0	3

*Mandatory courses are offered as Non-Credit courses

ELECTIVE - MANAGEMENT COURSES

SL. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3751	Principles of Management	HSMC	3	0	0	3	3
2.	GE3752	Total Quality Management	HSMC	3	0	0	3	3
3.	GE3753	Engineering Economics and Financial Accounting	HSMC	3	0	0	3	3
4.	GE3754	Human Resource Management	HSMC	3	0	0	3	3
5.	GE3755	Knowledge Management	HSMC	3	0	0	3	3
6.	GE3792	Industrial Management	HSMC	3	0	0	3	3



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SEMESTER I

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	IP3151	Induction Programme	-	-	-	-	-	0
THEORY								
2.	HS3152	Professional English - I	HSMC	3	0	0	3	3
3.	MA3151	Matrices and Calculus	BSC	3	1	0	4	4
4.	PH3151	Engineering Physics	BSC	3	0	0	3	3
5.	CY3151	Engineering Chemistry	BSC	3	0	0	3	3
6.	GE3151	Problem Solving and Python Programming	ESC	3	0	0	3	3
7.	GE3152	தமிழர் மரபு /Heritage of Tamils	HSMC	1	0	0	1	1
PRACTICALS								
8.	GE3171	Problem Solving and Python Programming Laboratory	ESC	0	0	4	4	2
9.	BS3171	Physics and Chemistry Laboratory	BSC	0	0	4	4	2
10.	GE3172	English Laboratory [§]	EEC	0	0	2	2	1
TOTAL				16	1	10	27	22

§ Skill Based Course

SEMESTER II

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	HS3252	Professional English - II	HSMC	2	0	0	2	2
2.	MA3251	Statistics and Numerical Methods	BSC	3	1	0	4	4
3.	PH3256	Physics for Information Science	BSC	3	0	0	3	3
4.	BE3251	Basic Electrical and Electronics Engineering	ESC	3	0	0	3	3
5.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
6.	CS3251	Programming in C	PCC	3	0	0	3	3
7.	GE3252	தமிழரும் தொழில்நுட்பமும் /Tamils and Technology	HSMC	1	0	0	1	1
8.		NCC Credit Course Level 1*	-	2	0	0	2	2*
PRACTICALS								
9.	GE3271	Engineering Practices Laboratory	ESC	0	0	4	4	2
10.	CS3271	Programming in C Laboratory	PCC	0	0	4	4	2
11.	GE3272	Communication Laboratory / Foreign Language [§]	EEC	0	0	4	4	2
TOTAL				17	1	16	34	26

* NCC Credit Course level 1 is for B.E. students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.

§ Skill Based Course



SEMESTER III

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA3354	Discrete Mathematics	BSC	3	1	0	4	4
2.	CS3351	Digital Principles and Computer Organization	ESC	3	0	2	5	4
3.	CS3352	Foundations of Data Science	PCC	3	0	0	3	3
4.	CS3301	Data Structures	PCC	3	0	0	3	3
5.	CS3391	Object Oriented Programming	PCC	3	0	0	3	3
PRACTICALS								
6.	CS3311	Data Structures Laboratory	PCC	0	0	3	3	1.5
7.	CS3381	Object Oriented Programming Laboratory	PCC	0	0	3	3	1.5
8.	CS3361	Data Science Laboratory	PCC	0	0	4	4	2
9.	GE3361	Professional Development ¹	EEC	0	0	2	2	1
TOTAL				15	1	14	30	23

¹ Skill Based Course

SEMESTER IV

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	CS3452	Theory of Computation	PCC	3	0	0	3	3
2.	CS3491	Artificial Intelligence and Machine Learning	PCC	3	0	2	5	4
3.	CS3492	Database Management Systems	PCC	3	0	0	3	3
4.	CS3401	Algorithms	PCC	3	0	2	5	4
5.	CS3451	Introduction to Operating Systems	PCC	3	0	0	3	3
6.	GE3451	Environmental Sciences and Sustainability	BSC	2	0	0	2	2
7.		NCC Credit Course Level 2*		3	0	0	3	3*
PRACTICALS								
8.	CS3461	Operating Systems Laboratory	PCC	0	0	3	3	1.5
9.	CS3481	Database Management Systems Laboratory	PCC	0	0	3	3	1.5
TOTAL				20	0	10	30	22

* NCC Credit Course level 2 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA



SEMESTER VII / VIII*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	GE3791	Human Values and Ethics	HSMC	2	0	0	2	2
2.		Elective - Management*	HSMC	3	0	0	3	3
3.		Open Elective – II**	OEC	3	0	0	3	3
4.		Open Elective – III**	OEC	3	0	0	3	3
5.		Open Elective – IV**	OEC	3	0	0	3	3
PRACTICALS								
6.	CS3711	Summer internship	EEC	0	0	0	0	2
TOTAL				14	0	0	14	16

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

** Open Elective II - IV (Shall be chosen from the list of open electives offered by other Programmes).

*Elective - Management shall be chosen from the Elective Management courses.

SEMESTER VIII / VII*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
PRACTICALS								
1.	CS3811	Project Work/Internship	EEC	0	0	20	20	10
TOTAL				0	0	20	20	10

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

TOTAL CREDITS: 162

ELECTIVE – MANAGEMENT COURSES

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PERWEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3751	Principles of Management	HSMC	3	0	0	3	3
2.	GE3752	Total Quality Management	HSMC	3	0	0	3	3
3.	GE3753	Engineering Economics and Financial Accounting	HSMC	3	0	0	3	3
4.	GE3754	Human Resource Management	HSMC	3	0	0	3	3
5.	GE3755	Knowledge Management	HSMC	3	0	0	3	3
6.	GE3792	Industrial Management	HSMC	3	0	0	3	3



MANDATORY COURSES I

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3081	Introduction to Women and Gender Studies	MC	3	0	0	3	0
2.	MX3082	Elements of Literature	MC	3	0	0	3	0
3.	MX3083	Film Appreciation	MC	3	0	0	3	0
4.	MX3084	Disaster Risk Reduction and Management	MC	3	0	0	3	0

*Mandatory Courses are offered as Non-Credit Courses

MANDATORY COURSES II

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3085	Well Being with Traditional Practices - Yoga, Ayurveda and Siddha	MC	3	0	0	3	0
2.	MX3086	History of Science and Technology in India	MC	3	0	0	3	0
3.	MX3087	Political and Economic Thought for a Humane Society	MC	3	0	0	3	0
4.	MX3088	State, Nation Building and Politics in India	MC	3	0	0	3	0
5.	MX3089	Industrial Safety	MC	3	0	0	3	0

*Mandatory Courses are offered as Non-Credit Courses



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SEMESTER I

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	IP3151	Induction Programme	-	-	-	-	-	0
THEORY								
2.	HS3152	Professional English - I	HSMC	3	0	0	3	3
3.	MA3151	Matrices and Calculus	BSC	3	1	0	4	4
4.	PH3151	Engineering Physics	BSC	3	0	0	3	3
5.	CY3151	Engineering Chemistry	BSC	3	0	0	3	3
6.	GE3151	Problem Solving and Python Programming	ESC	3	0	0	3	3
7.	GE3152	தமிழர் மரபு /Heritage of Tamils	HSMC	1	0	0	1	1
PRACTICALS								
8.	GE3171	Problem Solving and Python Programming Laboratory	ESC	0	0	4	4	2
9.	BS3171	Physics and Chemistry Laboratory	BSC	0	0	4	4	2
10.	GE3172	English Laboratory ¹	EEC	0	0	2	2	1
TOTAL				16	1	10	27	22

¹ Skill Based Course

SEMESTER II

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	HS3252	Professional English - II	HSMC	2	0	0	2	2
2.	MA3251	Statistics and Numerical Methods	BSC	3	1	0	4	4
3.	PH3256	Physics for Information Science	BSC	3	0	0	3	3
4.	BE3251	Basic Electrical and Electronics Engineering	ESC	3	0	0	3	3
5.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
6.	CS3251	Programming in C	PCC	3	0	0	3	3
7.	GE3252	தமிழரும் தொழில்நுட்பமும் /Tamils and Technology	HSMC	1	0	0	1	1
8.		NCC Credit Course Level 1 [*]	-	2	0	0	2	2 [*]
PRACTICALS								
9.	GE3271	Engineering Practices Laboratory	ESC	0	0	4	4	2
10.	CS3271	Programming in C Laboratory	PCC	0	0	4	4	2
11.	GE3272	Communication Laboratory / Foreign Language ¹	EEC	0	0	4	4	2
TOTAL				17	1	16	34	26

^{*} NCC Credit Course level 1 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet for the same shall not be considered for the computation of CGPA.

¹ Skill Based Course



SEMESTER III

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA3354	Discrete Mathematics	BSC	3	1	0	4	4
2.	CS3351	Digital Principles and Computer Organization	ESC	3	0	2	5	4
3.	CS3352	Foundations of Data Science	PCC	3	0	0	3	3
4.	CD3291	Data Structures and Algorithms	PCC	3	0	0	3	3
5.	CS3391	Object Oriented Programming	PCC	3	0	0	3	3
PRACTICALS								
6.	CD3281	Data Structures and Algorithms Laboratory	PCC	0	0	4	4	2
7.	CS3381	Object Oriented Programming Laboratory	PCC	0	0	3	3	1.5
8.	CS3361	Data Science Laboratory	PCC	0	0	4	4	2
9.	GE3361	Professional Development ¹	EEC	0	0	2	2	1
TOTAL				15	1	15	31	23.5

¹ Skill Based Course

SEMESTER IV

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	CS3452	Theory of Computation	PCC	3	0	0	3	3
2.	CS3491	Artificial Intelligence and Machine Learning	PCC	3	0	2	5	4
3.	CS3492	Database Management Systems	PCC	3	0	0	3	3
4.	IT3401	Web Essentials	PCC	3	0	2	5	4
5.	CS3451	Introduction to Operating Systems	PCC	3	0	0	3	3
6.	GE3451	Environmental Sciences and Sustainability	BSC	2	0	0	2	2
7.		NCC Credit Course Level 2 [*]	-	3	0	0	3	3 [*]
PRACTICALS								
8.	CS3461	Operating Systems Laboratory	PCC	0	0	3	3	1.5
9.	CS3481	Database Management Systems Laboratory	PCC	0	0	3	3	1.5
TOTAL				20	0	10	30	22

^{*} NCC Credit Course level 2 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.



SEMESTER VII / VIII*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	GE3791	Human Values and Ethics	HSMC	2	0	0	2	2
2.		Elective - Management*	HSMC	3	0	0	3	3
3.		Open Elective - II**	OEC	3	0	0	3	3
4.		Open Elective - III**	OEC	3	0	0	3	3
5.		Open Elective - IV**	OEC	3	0	0	3	3
PRACTICALS								
6.	IT3711	Summer internship	EEC	0	0	0	0	2
TOTAL				14	0	0	14	16

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

** Open Elective II - IV (Shall be chosen from the list of open electives offered by other Programmes).

* Elective - Management shall be chosen from the Elective Management courses.

SEMESTER VIII / VII*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
PRACTICALS								
1.	IT3811	Project Work/Internship	EEC	0	0	20	20	10
TOTAL				0	0	20	20	10

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

TOTAL CREDITS: 162

ELECTIVE - MANAGEMENT COURSES

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3751	Principles of Management	HSMC	3	0	0	3	3
2.	GE3752	Total Quality Management	HSMC	3	0	0	3	3
3.	GE3753	Engineering Economics and Financial Accounting	HSMC	3	0	0	3	3
4.	GE3754	Human Resource Management	HSMC	3	0	0	3	3
5.	GE3755	Knowledge Management	HSMC	3	0	0	3	3
6.	GE3792	Industrial Management	HSMC	3	0	0	3	3



MANDATORY COURSES I

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3081	Introduction to Women and Gender Studies	MC	3	0	0	3	0
2.	MX3082	Elements of Literature	MC	3	0	0	3	0
3.	MX3083	Film Appreciation	MC	3	0	0	3	0
4.	MX3084	Disaster Risk Reduction and Management	MC	3	0	0	3	0

*Mandatory Courses are offered as Non-Credit Courses

MANDATORY COURSES II

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3085	Well Being with Traditional Practices - Yoga, Ayurveda and Siddha	MC	3	0	0	3	0
2.	MX3086	History of Science and Technology in India	MC	3	0	0	3	0
3.	MX3087	Political and Economic Thought for a Humane Society	MC	3	0	0	3	0
4.	MX3088	State, Nation Building and Politics in India	MC	3	0	0	3	0
5.	MX3089	Industrial Safety	MC	3	0	0	3	0

*Mandatory Courses are offered as Non-Credit Courses



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SEMESTER I

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	IP3151	Induction Programme	-	-	-	-	-	0
THEORY								
2.	HS3152	Professional English - I	HSMC	3	0	0	3	3
3.	MA3151	Matrices and Calculus	BSC	3	1	0	4	4
4.	PH3151	Engineering Physics	BSC	3	0	0	3	3
5.	CY3151	Engineering Chemistry	BSC	3	0	0	3	3
6.	GE3151	Problem Solving and Python Programming	ESC	3	0	0	3	3
7.	GE3152	தமிழர் மரபு /Heritage of Tamils	HSMC	1	0	0	1	1
PRACTICALS								
8.	GE3171	Problem Solving and Python Programming Laboratory	ESC	0	0	4	4	2
9.	BS3171	Physics and Chemistry Laboratory	BSC	0	0	4	4	2
10.	GE3172	English Laboratory ¹	EEC	0	0	2	2	1
TOTAL				16	1	10	27	22

¹ Skill Based Course

SEMESTER II

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	HS3252	Professional English - II	HSMC	2	0	0	2	2
2.	MA3251	Statistics and Numerical Methods	BSC	3	1	0	4	4
3.	PH3256	Physics for Information Science	BSC	3	0	0	3	3
4.	BE3251	Basic Electrical and Electronics Engineering	ESC	3	0	0	3	3
5.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
6.	AD3251	Data Structures Design	PCC	3	0	0	3	3
7.	GE3252	தமிழரும் தொழில்நுட்பமும் /Tamils and Technology	HSMC	1	0	0	1	1
8.		NCC Credit Course Level 1 [*]	-	2	0	0	2	2 [†]
PRACTICALS								
9.	GE3271	Engineering Practices Laboratory	ESC	0	0	4	4	2
10.	AD3271	Data Structures Design Laboratory	PCC	0	0	4	4	2
11.	GE3272	Communication Laboratory / Foreign Language ¹	EEC	0	0	4	4	2
TOTAL				17	1	1	34	26

^{*} NCC Credit Course is only for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the marks shall not be considered for the computation of CGPA.

[†] Skill Based Course



SEMESTER III

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA3354	Discrete Mathematics	BSC	3	1	0	4	4
2.	CS3351	Digital Principles and Computer Organization	PCC	3	0	2	5	4
3.	AD3391	Database Design and Management	PCC	3	0	0	3	3
4.	AD3351	Design and Analysis of Algorithms	PCC	3	0	2	5	4
5.	AD3301	Data Exploration and Visualization	PCC	3	0	2	5	4
6.	AL3391	Artificial Intelligence	PCC	3	0	0	3	3
PRACTICALS								
7.	AD3381	Database Design and Management Laboratory	PCC	0	0	3	3	1.5
8.	AD3311	Artificial Intelligence Laboratory	PCC	0	0	3	3	1.5
9.	GE3361	Professional Development ¹	EEC	0	0	2	2	1
TOTAL				18	1	14	33	26

¹ Skill Based Course

SEMESTER IV

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA3391	Probability and Statistics	BSC	3	1	0	4	4
2.	AL3452	Operating Systems	PCC	3	0	2	5	4
3.	AL3451	Machine Learning	PCC	3	0	0	3	3
4.	AD3491	Fundamentals of Data Science and Analytics	PCC	3	0	0	3	3
5.	CS3591	Computer Networks	PCC	3	0	2	5	4
6.	GE3451	Environmental Sciences and Sustainability	BSC	2	0	0	2	2
7.		NCC Credit Course Level 2*		3	0	0	3	3*
PRACTICALS								
8.	AD3411	Data Science and Analytics Laboratory	PCC	0	0	4	4	2
9.	AD3461	Machine Learning Laboratory	PCC	0	0	4	4	2
TOTAL				17	1	12	30	24

* NCC Credit Course level 2 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.



SEMESTER VII / VIII*

S. NO	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	GE3791	Human Values and Ethics	HSMC	2	0	0	2	2
2.		Elective - Management*	HSMC	3	0	0	3	3
3.		Open Elective – II**	OEC	3	0	0	3	3
4.		Open Elective – III**	OEC	3	0	0	3	3
5.		Open Elective – IV**	OEC	3	0	0	3	3
TOTAL				14	0	0	14	14

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

** Open Elective II - IV (Shall be chosen from the list of open electives offered by other Programmes).

* Elective - Management shall be chosen from the Elective Management courses.

SEMESTER VIII / VII*

S. NO	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
PRACTICALS								
1.	AD3811	Project Work / Internship	EEC	0	0	20	20	10
TOTAL				0	0	20	20	10

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

TOTAL CREDITS: 163

ELECTIVE – MANAGEMENT COURSES

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3751	Principles of Management	HSMC	3	0	0	3	3
2.	GE3752	Total Quality Management	HSMC	3	0	0	3	3
3.	GE3753	Engineering Economics and Financial Accounting	HSMC	3	0	0	3	3
4.	GE3754	Human Resource Management	HSMC	3	0	0	3	3
5.	GE3755	Knowledge Management	HSMC	3	0	0	3	3
6.	GE3792	Industrial Management	HSMC	3	0	0	3	3



MANDATORY COURSES I

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3081	Introduction to Women and Gender Studies	MC	3	0	0	3	0
2.	MX3082	Elements of Literature	MC	3	0	0	3	0
3.	MX3083	Film Appreciation	MC	3	0	0	3	0
4.	MX3084	Disaster Risk Reduction and Management	MC	3	0	0	3	0

*Mandatory Courses are offered as Non-Credit Courses

MANDATORY COURSES II

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3085	Well Being with Traditional Practices - Yoga, Ayurveda and Siddha	MC	3	0	0	3	0
2.	MX3086	History of Science and Technology in India	MC	3	0	0	3	0
3.	MX3087	Political and Economic Thought for a Humane Society	MC	3	0	0	3	0
4.	MX3088	State, Nation Building and Politics in India	MC	3	0	0	3	0
5.	MX3089	Industrial Safety	MC	3	0	0	3	0

*Mandatory Courses are offered as Non-Credit Courses



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SEMESTER I

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	IP3151	Induction Programme	-	-	-	-	-	0
THEORY								
2.	HS3152	Professional English - I	HSMC	3	0	0	3	3
3.	MA3151	Matrices and Calculus	BSC	3	1	0	4	4
4.	PH3151	Engineering Physics	BSC	3	0	0	3	3
5.	CY3151	Engineering Chemistry	BSC	3	0	0	3	3
6.	GE3151	Problem Solving and Python Programming	ESC	3	0	0	3	3
7.	GE3152	தமிழர் மரபு /Heritage of Tamils	HSMC	1	0	0	1	1
PRACTICALS								
8.	GE3171	Problem Solving and Python Programming Laboratory	ESC	0	0	4	4	2
9.	BS3171	Physics and Chemistry Laboratory	BSC	0	0	4	4	2
10.	GE3172	English Laboratory [‡]	EEC	0	0	2	2	1
TOTAL				16	1	10	27	22

[‡] Skill Based Course

SEMESTER II

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	HS3252	Professional English - II	HSMC	2	0	0	2	2
2.	MA3251	Statistics and Numerical Methods	BSC	3	1	0	4	4
3.	PH3254	Physics for Electronics Engineering	BSC	3	0	0	3	3
4.	BE3254	Electrical and Instrumentation Engineering	ESC	3	0	0	3	3
5.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
6.	EC3251	Circuit Analysis	PCC	3	1	0	4	4
7.	GE3252	தமிழரும் தொழில்நுட்பமும் /Tamils and Technology	HSMC	1	0	0	1	1
8.		NCC Credit Course Level 1*	-	2	0	0	2	2*
PRACTICALS								
9.	GE3271	Engineering Practices Laboratory	ESC	0	0	4	4	2
10.	EC3271	Circuits Analysis Laboratory	PCC	0	0	2	2	1
11.	GE3272	Communication Laboratory / Foreign Language [‡]	EEC	0	0	4	4	2
TOTAL				17	1	14	33	26

* NCC Credit Course level 1 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.

[‡] Skill Based Course



SEMESTER III

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA3355	Random Processes and Linear Algebra	BSC	3	1	0	4	4
2.	CS3353	C Programming and Data Structures	ESC	3	0	0	3	3
3.	EC3354	Signals and Systems	PCC	3	1	0	4	4
4.	EC3353	Electronic Devices and Circuits	PCC	3	0	0	3	3
5.	EC3351	Control Systems	PCC	3	0	0	3	3
6.	EC3352	Digital Systems Design	PCC	3	0	2	5	4
PRACTICALS								
7.	EC3361	Electronic Devices and Circuits Laboratory	PCC	0	0	3	3	1.5
8.	CS3362	C Programming and Data Structures Laboratory	PCC	0	0	3	3	1.5
9.	GE3361	Professional Development ¹	EEC	0	0	2	2	1
TOTAL				18	2	10	30	25

¹ Skill Based Course

SEMESTER IV

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	EC3452	Electromagnetic Fields	PCC	3	0	0	3	3
2.	EC3401	Networks and Security	PCC	3	0	2	5	4
3.	EC3451	Linear Integrated Circuits	PCC	3	0	0	3	3
4.	EC3492	Digital Signal Processing	PCC	3	0	2	5	4
5.	EC3491	Communication Systems	PCC	3	0	0	3	3
6.	GE3451	Environmental Sciences and Sustainability	BSC	2	0	0	2	2
7.		NCC Credit Course Level 2*		3	0	0	3	3*
PRACTICALS								
8.	EC3461	Communication Systems Laboratory	PCC	0	0	3	3	1.5
9.	EC3462	Linear Integrated Circuits Laboratory	PCC	0	0	3	3	1.5
TOTAL				17	0	10	27	22

* NCC Credit Course level 2 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.



SEMESTER VII / VIII*

S. NO	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	GE3791	Human Values and Ethics	HSMC	2	0	0	2	2
2.		Elective - Management*	HSMC	3	0	0	3	3
3.		Open Elective - II**	OEC	3	0	0	3	3
4.		Open Elective - III**	OEC	3	0	0	3	3
5.		Open Elective - IV**	OEC	3	0	0	3	3
PRACTICALS								
6.	EC3711	Summer internship	EEC	0	0	0	0	2
TOTAL				14	0	0	14	16

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

** Open Elective II - IV (Shall be chosen from the list of open electives offered by other Programmes).

* Elective - Management shall be chosen from the Elective Management courses.

SEMESTER VIII / VII*

S. NO	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
PRACTICALS								
1.	EC3811	Project Work / Internship	EEC	0	0	20	20	10
TOTAL				0	0	20	20	10

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

TOTAL CREDITS : 162

ELECTIVE – MANAGEMENT COURSES

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3751	Principles of Management	HSMC	3	0	0	3	3
2.	GE3752	Total Quality Management	HSMC	3	0	0	3	3
3.	GE3753	Engineering Economics and Financial Accounting	HSMC	3	0	0	3	3
4.	GE3754	Human Resource Management	HSMC	3	0	0	3	3
5.	GE3755	Knowledge Management	HSMC	3	0	0	3	3
6.	GE3792	Industrial Management	HSMC	3	0	0	3	3



MANDATORY COURSES I

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3081	Introduction to Women and Gender Studies	MC	3	0	0	3	0
2.	MX3082	Elements of Literature	MC	3	0	0	3	0
3.	MX3083	Film Appreciation	MC	3	0	0	3	0
4.	MX3084	Disaster Risk Reduction and Management	MC	3	0	0	3	0

***Mandatory Courses are offered as Non-Credit Courses**

MANDATORY COURSES II

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3085	Well Being with Traditional Practices - Yoga, Ayurveda and Siddha	MC	3	0	0	3	0
2.	MX3086	History of Science and Technology in India	MC	3	0	0	3	0
3.	MX3087	Political and Economic Thought for a Humane Society	MC	3	0	0	3	0
4.	MX3088	State, Nation Building and Politics in India	MC	3	0	0	3	0
5.	MX3089	Industrial Safety	MC	3	0	0	3	0

***Mandatory Courses are offered as Non-Credit Courses**



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SEMESTER I

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	IP3151	Induction Programme	-	-	-	-	0	
THEORY								
2.	HS3152	Professional English - I	HSMC	3	0	0	3	3
3.	MA3151	Matrices and Calculus	BSC	3	1	0	4	4
4.	PH3151	Engineering Physics	BSC	3	0	0	3	3
5.	CY3151	Engineering Chemistry	BSC	3	0	0	3	3
6.	GE3151	Problem Solving and Python Programming	ESC	3	0	0	3	3
7.	GE3152	தமிழர் மரபு /Heritage of Tamils	HSMC	1	0	0	1	1
PRACTICALS								
8.	GE3171	Problem Solving and Python Programming Laboratory	ESC	0	0	4	4	2
9.	BS3171	Physics and Chemistry Laboratory	BSC	0	0	4	4	2
10.	GE3172	English Laboratory ¹	EEC	0	0	2	2	1
TOTAL				16	1	10	27	22

¹ Skill Based Course

SEMESTER II

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	HS3252	Professional English - II	HSMC	2	0	0	2	2
2.	MA3251	Statistics and Numerical Methods	BSC	3	1	0	4	4
3.	BM3251	Biosciences for Medical Engineering	PCC	3	0	0	3	3
4.	BE3251	Basic Electrical and Electronics Engineering	ESC	3	0	0	3	3
5.	BM3252	Medical Physics	PCC	3	0	0	3	3
6.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
7.	GE3252	தமிழரும் தொழில்நுட்பமும் /Tamils and Technology	HSMC	1	0	0	1	1
8.		NCC Credit Course Level 1*	-	2	0	0	2	2*
PRACTICALS								
9.	GE3271	Engineering Practices Laboratory	ESC	0	0	4	4	2
10.	BM3271	Biosciences Laboratory	PCC	0	0	4	4	2
11.	GE3272	Communication Laboratory / Foreign Language ¹	EEC	0	0	4	4	2
TOTAL				17	1	16	34	26

* NCC Credit Course level 1 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however, the same shall not be considered for the CGPA.

¹ Skill Based Course



SEMESTER III

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA3351	Transforms and Partial Differential Equations	BSC	3	1	0	4	4
2.	BM3353	Fundamentals of Electronic Devices and Circuits	ESC	3	0	0	3	3
3.	BM3301	Sensors and Measurements	PCC	3	0	0	3	3
4.	BM3352	Electric Circuit Analysis	ESC	3	0	0	3	3
5.	BM3351	Anatomy and Human Physiology	PCC	3	0	2	5	4
6.	CS3391	Object oriented programming	ESC	3	0	0	3	3
PRACTICALS								
7.	BM3361	Fundamentals of Electronic Devices and Circuits Laboratory	ESC	0	0	3	3	1.5
8.	BM3311	Sensors and Measurements Laboratory	PCC	0	0	3	3	1.5
9.	CS3381	Object oriented programming Laboratory	ESC	0	0	3	3	1.5
10.	GE3361	Professional Development [†]	EEC	0	0	2	2	1
TOTAL				18	1	13	32	25.5

[†] Skill Based Course

SEMESTER IV

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA3355	Random Processes and Linear Algebra	BSC	3	1	0	4	4
2.	BM3491	Biomedical Instrumentation	PCC	3	0	0	3	3
3.	BM3402	Analog and Digital Integrated Circuits	PCC	3	0	0	3	3
4.	BM3451	Bio Control Systems	PCC	3	0	0	3	3
5.	BM3401	Signal Processing	PCC	3	0	2	5	4
6.	GE3451	Environmental Sciences and Sustainability	BSC	2	0	0	2	2
7.		NCC Credit Course Level 2*		3	0	0	3	3*
PRACTICALS								
8.	BM3411	Biomedical Instrumentation Laboratory	PCC	0	0	3	3	1.5
9.	BM3412	Analog and Digital Integrated Circuits Laboratory	PCC	0	0	3	3	1.5
TOTAL				17	1	8	26	22

* NCC Credit Course level 2 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.



SEMESTER VII / VIII*

S. NO	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	GE3791	Human Values and Ethics	HSMC	2	0	0	2	2
2.		Management – Elective*	HSMC	3	0	0	3	3
3.		Open Elective – II**	OEC	3	0	0	3	3
4.		Open Elective – III**	OEC	3	0	0	3	3
5.		Open Elective – IV**	OEC	3	0	0	3	3
PRACTICALS								
6.	BM3711	Hospital Training	EEC	0	0	0	0	2
TOTAL				14	0	0	14	16

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

** Open Elective II - IV (Shall be chosen from the list of open electives offered by other Programmes).

* Management – Elective shall be chosen from the Management Elective courses.

SEMESTER VIII / VII*

S. NO	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
PRACTICALS								
1.	BM3811	Project Work / Internship	EEC	0	0	20	20	10
TOTAL				0	0	20	20	10

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

TOTAL CREDITS : 163

ELECTIVE – MANAGEMENT COURSES

S. NO	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3751	Principles of Management	HSMC	3	0	0	3	3
2.	GE3752	Total Quality Management	HSMC	3	0	0	3	3
3.	GE3753	Engineering Economics and Financial Accounting	HSMC	3	0	0	3	3
4.	GE3754	Human Resource Management	HSMC	3	0	0	3	3
5.	GE3755	Knowledge Management	HSMC	3	0	0	3	3
6.	GE3792	Industrial Management	HSMC	3	0	0	3	3



MANDATORY COURSES I

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3081	Introduction to Women and Gender Studies	MC	3	0	0	3	0
2.	MX3082	Elements of Literature	MC	3	0	0	3	0
3.	MX3083	Film Appreciation	MC	3	0	0	3	0
4.	MX3084	Disaster Risk Reduction and Management	MC	3	0	0	3	0

***Mandatory Courses are offered as Non-Credit Courses**

MANDATORY COURSES II

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3085	Well Being with Traditional Practices - Yoga, Ayurveda and Siddha	MC	3	0	0	3	0
2.	MX3086	History of Science and Technology in India	MC	3	0	0	3	0
3.	MX3087	Political and Economic Thought for a Humane Society	MC	3	0	0	3	0
4.	MX3088	State, Nation Building and Politics in India	MC	3	0	0	3	0
5.	MX3089	Industrial Safety	MC	3	0	0	3	0

***Mandatory Courses are offered as Non-Credit Courses**



This is a mandatory 2 week programme to be conducted as soon as the students enter the institution. Normal classes start only after the induction program is over.

The induction programme has been introduced by AICTE with the following objective:

"Engineering colleges were established to train graduates well in the branch/department of admission, have a holistic outlook, and have a desire to work for national needs and beyond. The graduating student must have knowledge and skills in the area of his/her study. However, he/she must also have broad understanding of society and relationships. Character needs to be nurtured as an essential quality by which he/she would understand and fulfill his/her responsibility as an engineer, a citizen and a human being. Besides the above, several meta-skills and underlying values are needed."

"One will have to work closely with the newly joined students in making them feel comfortable, allow them to explore their academic interests and activities, reduce competition and make them work for excellence, promote bonding within them, build relations between teachers and students, give a broader view of life, and build character."

Hence, the purpose of this programme is to make the students feel comfortable in their new environment, open them up, set a healthy daily routine, create bonding in the batch as well as between faculty and students, develop awareness, sensitivity and understanding of the self, people around them, society at large, and nature.

The following are the activities under the induction program in which the student would be fully engaged throughout the day for the entire duration of the program.

(i) Physical Activity

This would involve a daily routine of physical activity with games and sports, yoga, gardening, etc.

(ii) Creative Arts

Every student would choose one skill related to the arts whether visual arts or performing arts. Examples are painting, sculpture, pottery, music, dance etc. The student would pursue it everyday for the duration of the program. These would allow for creative expression. It would develop a sense of aesthetics and

also enhance creativity which would, hopefully, grow into engineering design later.

(iii) Universal Human Values

This is the anchoring activity of the Induction Programme. It gets the student to explore oneself and allows one to experience the joy of learning, stand up to peer pressure, take decisions with courage, be aware of relationships with colleagues and supporting stay in the hostel and department, be sensitive to others, etc. A module in Universal Human Values provides the base. Methodology of teaching this content is very important. It must not be through rote learning and don't's, but get students to explore and think by engaging them in a dialogue. It is best taught through group discussions and real life activities rather than lecturing.

Discussions would be conducted in small groups of about 20 students with faculty



mentor each. It would be effective that the faculty mentor assigned is also the faculty advisor for the student for the full duration of the UG programme.

(iv) Literary Activity

Literary activity would encompass reading, writing and possibly, debating, enacting a play etc.

(v) Proficiency Modules

This would address some lacunas that students might have, for example, English, computer familiarity etc.

(vi) Lectures by Eminent People

Motivational lectures by eminent people from all walks of life should be arranged to give the students exposure to people who are socially active or in public life.

(vii) Visits to Local Area

A couple of visits to the landmarks of the city, or a hospital or orphanage could be organized. This would familiarize them with the area as well as expose them to the under privileged.

(viii) Familiarization to Dept./Branch & Innovations

They should be told about what getting into a branch or department means what role it plays in society, through its technology. They should also be shown the laboratories, workshops & other facilities.

(ix) Department Specific Activities

About a week can be spent in introducing activities (games, quizzes, social interactions, small experiments, design thinking etc.) that are relevant to the particular branch of Engineering / Technology / Architecture that can serve as a motivator and kindle interest in building things (become a maker) in that particular field. This can be conducted in the form of a workshop. For example, CSE and IT students may be introduced to activities that kindle computational thinking, and get them to build simple games. ECE students may be introduced to building simple circuits as an extension of their knowledge in Science, and so on. Students may be asked to build stuff using their knowledge of science.

Induction Programme is totally an activity based programme and therefore there shall be no tests / assessments during this programme.

References:

Guide to Induction program from AICTE



5	3	3	3	3	2	1	1	-	-	-	1	1
Avg	3	3	3	3	2.5	1	1	-	-	-	1	1

1 - low, 2 - medium, 3 - high, '-' - no correlation

GE3451

ENVIRONMENTAL SCIENCES AND SUSTAINABILITY

L T P C

2 0 0 2

COURSE OBJECTIVES:

- To introduce the basic concepts of environment, ecosystems and biodiversity and emphasize on the biodiversity of India and its conservation.
- To impart knowledge on the causes, effects and control or prevention measures of environmental pollution and natural disasters.
- To facilitate the understanding of global and Indian scenario of renewable and nonrenewable resources, causes of their degradation and measures to preserve them.
- To familiarize the concept of sustainable development goals and appreciate the interdependence of economic and social aspects of sustainability, recognize and analyze climate changes, concept of carbon credit and the challenges of environmental management.
- To inculcate and embrace sustainability practices and develop a broader understanding on green materials, energy cycles and analyze the role of sustainable urbanization.

UNIT I ENVIRONMENT AND BIODIVERSITY

6

Definition, scope and importance of environment – need for public awareness. Eco-system and Energy flow– ecological succession. Types of biodiversity, genetic, species and ecosystem diversity– values of biodiversity, India as a mega-diversity nation – hot-spots of biodiversity – threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts – endangered and endemic species of India – conservation of biodiversity: In-situ and ex-situ.

UNIT II ENVIRONMENTAL POLLUTION

6

Causes, Effects and Preventive measures of Water, Soil, Air and Noise Pollutions, Solid, Hazardous and E-Waste management. Case studies on Occupational Health and Safety Management system (OHSMS). Environmental protection, Environmental protection acts .

UNIT III RENEWABLE SOURCES OF ENERGY

6

Energy management and conservation, New Energy Sources: Need of new sources. Different types new energy sources. Applications of- Hydrogen energy, Ocean energy resources, Tidal energy conversion. Concept, origin and power plants of geothermal energy.

UNIT IV SUSTAINABILITY AND MANAGEMENT

6

Development , GDP ,Sustainability- concept, needs and challenges-economic, social and aspects of sustainability-from unsustainability to sustainability-millennium development goals, and protocols-Sustainable Development Goals-targets, indicators and intervention areas Climate change- Global, Regional and local environmental issues and possible solutions-case studies. Concept of Carbon Credit, Carbon Footprint, Environmental management in industry-A case study.

UNIT V SUSTAINABILITY PRACTICES

6

Zero waste and R concept, Circular economy, ISO 14000 Series, Material Life cycle assessment, Environmental Impact Assessment, Sustainable habitat: Green building materials, Energy efficiency, Sustainable energy: Non-conventional sources, Energy Cycles- carbon cycle, emission and sequestration, Green Engineering, Sustainable urbanization- Socio-economical and technological changes.



COURSE OUTCOMES:

- CO1.To recognize and understand the functions of environment, ecosystems and biodiversity and their conservation.
- CO2.To identify the causes, effects of environmental pollution and natural disasters and contribute to the preventive measures in the society.
- CO3.To identify and apply the understanding of renewable and non-renewable resources and contribute to the sustainable measures to preserve them for future generations.
- CO4.To recognize the different goals of sustainable development and apply them for suitable technological advancement and societal development.
- CO5.To demonstrate the knowledge of sustainability practices and identify green materials, energy cycles and the role of sustainable urbanization.

TEXT BOOKS :

1. Anubha Kaushik and C. P. Kaushik's "Perspectives in Environmental Studies", 6th Edition, New Age International Publishers ,2018.
2. Benny Joseph, 'Environmental Science and Engineering', Tata McGraw-Hill, New Delhi, 2016.
3. Gilbert M.Masters, 'Introduction to Environmental Engineering and Science', 2nd edition, Pearson Education, 2004.
4. Allen, D. T. and Shonnard, D. R., Sustainability Engineering: Concepts, Design and Case Studies, Prentice Hall.
5. Bradley. A.S; Adebayo, A.O., Maria, P. Engineering applications in sustainable design and development, Cengage learning.
6. Environment Impact Assessment Guidelines, Notification of Government of India, 2006.
7. Mackenthun, K.M., Basic Concepts in Environmental Management, Lewis Publication, London, 1998.

REFERENCES :

1. R.K. Trivedi, 'Handbook of Environmental Laws, Rules, Guidelines, Compliances and Standards', Vol. I and II, Enviro Media. 38 . edition 2010.
2. Cunningham, W.P. Cooper, T.H. Gorhani, 'Environmental Encyclopedia', Jaico Publ., House, Mumbai, 2001.
3. Dharmendra S. Sengar, 'Environmental law', Prentice hall of India PVT. LTD, New Delhi, 2007.
4. Rajagopalan, R, 'Environmental Studies-From Crisis to Cure', Oxford University Press, Third Edition, 2015.
5. Erach Bharucha "Textbook of Environmental Studies for Undergraduate Courses" Orient Blackswan Pvt. Ltd. 2013.

CO's-PO's & PSO's MAPPING

CO	PO												PSO		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
1	2	1	-	-	-	2	3	-	-	-	-	-	1	-	-
2	3	2	-	-	-	3	3	-	-	-	-	2	-	-	-
3	3	-	1	-	-	2	2	-	-	-	-	2	-	-	-
4	3	2	1	1	-	2	2	-	-	-	-	2	-	-	-
5	3	2	1	-	-	2	2	-	-	-	-	2	-	-	-
Avg	2.8	1.8	-	-	-	2.2	2.4	-	-	-	-	1	-	-	-
												1.8	-	-	-

1 - low, 2 - medium, 3 - high, - no correlation



AERO ENGINES		6
E 1	Introduction and types of Aero Engine	3
E 2	Aircraft Controls	3

TOTAL : 45 PERIODS

GE3791	HUMAN VALUES AND ETHICS	L T P C
		2 0 0 2

COURSE DESCRIPTION

This course aims to provide a broad understanding about the modern values and ethical principles that have evolved and are enshrined in the Constitution of India with regard to the democratic, secular and scientific aspects. The course is designed for undergraduate students so that they could study, understand and apply these values in their day to day life.

COURSE OBJECTIVES:

- To create awareness about values and ethics enshrined in the Constitution of India
- To sensitize students about the democratic values to be upheld in the modern society.
- To inculcate respect for all people irrespective of their religion or other affiliations.
- To instill the scientific temper in the students' minds and develop their critical thinking.
- To promote sense of responsibility and understanding of the duties of citizen.

UNIT I DEMOCRATIC VALUES

6

Understanding Democratic values: Equality, Liberty, Fraternity, Freedom, Justice, Pluralism, Tolerance, Respect for All, Freedom of Expression, Citizen Participation in Governance – World Democracies: French Revolution, American Independence, Indian Freedom Movement.
Reading Text: Excerpts from John Stuart Mills' *On Liberty*

UNIT II SECULAR VALUES

6

Understanding Secular values – Interpretation of secularism in Indian context - Disassociation of state from religion – Acceptance of all faiths – Encouraging non-discriminatory practices.
Reading Text: Excerpt from *Secularism in India: Concept and Practice* by Ram Puniyani

UNIT III SCIENTIFIC VALUES

6

Scientific thinking and method: Inductive and Deductive thinking, Proposing and testing Hypothesis, Validating facts using evidence based approach – Skepticism and Empiricism – Rationalism and Scientific Temper.

Reading Text: Excerpt from *The Scientific Temper* by Antony Michaelis R

UNIT IV SOCIAL ETHICS

6

Application of ethical reasoning to social problems – Gender bias and issues – Gender violence – Social discrimination – Constitutional protection and policies – Inclusive practices.

Reading Text: Excerpt from *Lessons for the 21st Century* by Yuval Noah Harari



UNIT V SCIENTIFIC ETHICS

Transparency and Fairness in scientific pursuits – Scientific inventions for the betterment of society - Unfair application of scientific inventions – Role and Responsibility of Scientist in the modern society.

Reading Text: Excerpt from *American Prometheus: The Triumph and Tragedy of J. Robert Oppenheimer* by Kai Bird and Martin J. Sherwin.

TOTAL: 30 PERIODS**REFERENCES:**

1. The Nonreligious: Understanding Secular People and Societies, Luke W. Galen Oxford University Press, 2016.
2. Secularism: A Dictionary of Atheism, Bullivant, Stephen; Lee, Lois. Oxford University Press, 2016.
3. The Oxford Handbook of Secularism, John R. Shook, Oxford University Press, 2017.
4. The Civic Culture: Political Attitudes and Democracy in Five Nations by Gabriel A. Almond and Sidney Verba, Princeton University Press.
5. Research Methodology for Natural Sciences by Soumitro Banerjee, IISc Press, January 2022

COURSE OUTCOMES

Students will be able to

- CO1 : Identify the importance of democratic, secular and scientific values in harmonious functioning of social life
- CO2 : Practice democratic and scientific values in both their personal and professional life.
- CO3 : Find rational solutions to social problems.
- CO4 : Behave in an ethical manner in society
- CO5 : Practice critical thinking and the pursuit of truth.

EC3711**SUMMER INTERNSHIP****L T P C
0 0 0 2****COURSE OBJECTIVES:**

To enable the students to

- Get connected with industry/ laboratory/research institute
- Get practical knowledge on production process in the industry and develop skills to solve related problems
- Develop skills to carry out research in the research institutes/laboratories

The students individually undergo training in reputed firms/ research institutes / laboratories for the specified duration. After the completion of training, a detailed report should be submitted within ten days from the commencement of next semester. The students will be evaluated as per the Regulations.

No. of Weeks: 04**COURSE OUTCOMES:**

On completion of the course, the student will know about

- CO1: System-level design processes, verification and validation techniques, manufacturing and production processes in the firm or research facilities in the laboratory/research institute
- CO2: Analysis of industrial research problems and their solutions
- CO3: Documentation of design specifications, design methods, process parameters, testing parameters and results



MANDATORY COURSES I

MX3081

INTRODUCTION TO WOMEN AND GENDER STUDIES

**L T P C
3 0 0 0**

COURSE OUTLINE

UNIT I CONCEPTS

Sex vs. Gender, masculinity, femininity, socialization, patriarchy, public/ private, essentialism, binaryism, power, hegemony, hierarchy, stereotype, gender roles, gender relation, deconstruction, resistance, sexual division of labour.

UNIT II FEMINIST THEORY

Liberal, Marxist, Socialist, Radical, Psychoanalytic, postmodernist, ecofeminist.

UNIT III WOMEN'S MOVEMENTS: GLOBAL, NATIONAL AND LOCAL

Rise of Feminism in Europe and America.
Women's Movement in India.

UNIT IV GENDER AND LANGUAGE

Linguistic Forms and Gender.
Gender and narratives.

UNIT V GENDER AND REPRESENTATION

Advertising and popular visual media.

Gender and Representation in Alternative Media.
Gender and social media.

TOTAL : 45 PERIODS

MX3082

ELEMENTS OF LITERATURE

**L T P C
3 0 0 0**

OBJECTIVE:

- To make the students aware about the finer sensibilities of human existence through an art form. The students will learn to appreciate different forms of literature as suitable modes of expressing human experience.

1. COURSE CONTENTS

Introduction to Elements of Literature

1. Relevance of literature

a) Enhances Reading, thinking, discussing and writing skills.

b) Develops finer sensibility for better human

c) Increases understanding of the problem without bias.



measures, Roles and responsibilities of- community, Panchayati Raj Institutions / Urban Local Bodies (PRIs/ULBs), States, Centre, and other stakeholders- Early Warning System – Advisories from Appropriate Agencies.- Relevance of indigenous Knowledge, appropriate technology and Local resources.

UNIT III DISASTER MANAGEMENT

9

Components of Disaster Management – Preparedness of rescue and relief, mitigation, rehabilitation and reconstruction- Disaster Risk Management and post disaster management – Compensation and Insurance- Disaster Management Act (2005) and Policy - Other related policies, plans, programmes and legislation - Institutional Processes and Framework at State and Central Level- (NDMA –SDMA-DDMA-NRDF- Civic Volunteers)

UNIT IV TOOLS AND TECHNOLOGY FOR DISASTER MANAGEMENT

9

Early warning systems -Components of Disaster Relief: Water, Food, Sanitation, Shelter, Health, Waste Management, Institutional arrangements (Mitigation, Response and Preparedness, – Role of GIS and Information Technology Components in Preparedness, Risk Assessment, Response and Recovery Phases of Disaster – Disaster Damage Assessment. - Elements of Climate Resilient Development –Standard operation Procedure for disaster response – Financial planning for disaster Management

UNIT V DISASTER MANAGEMENT: CASE STUDIES

9

Discussion on selected case studies to analyse the potential impacts and actions in the context of disasters-Landslide Hazard Zonation: Earthquake Vulnerability Assessment of Buildings and Infrastructure: Case Studies, Drought Assessment. Case Studies, Coastal Flooding: Storm Surge Assessment, Floods: Fluvial and Pluvial Flooding. Case Studies; Forest Fire: Case Studies, Man Made disasters: Case Studies, Space Based Inputs for Disaster Mitigation and Management and field works related to disaster management. - Field work-Mock drill -

TOTAL : 45 PERIODS

TEXT BOOKS:

- 1 Taimpo (2016), Disaster Management and Preparedness, CRC Publications
- 2 Singh R (2017), Disaster Management Guidelines for earthquakes, Landslides, Avalanches and Tsunami, Horizon Press Publications
- 3 Singhal J.P. "Disaster Management", Laxmi Publications, 2010. ISBN-10: 9380386427 ISBN-13: 978-9380386423
- 4 Tushar Bhattacharya, "Disaster Science and Management", McGraw Hill India Education Pvt. Ltd., 2012. ISBN-10: 1259007367, ISBN-13: 978-1259007361

REFERENCES

1. Govt. of India: Disaster Management Act, Government of India, New Delhi, 2005.
2. Government of India, National Disaster Management Policy, 2009.
3. Shaw R (2016). Community based Disaster risk reduction, Oxford University Press

COURSE OUTCOME:

CO1: To impart knowledge on the concepts of Disaster, Vulnerability and Disaster Risk reduction (DRR)

CO2: To enhance understanding on Hazards, Vulnerability and Disaster Risk Assessment prevention and mitigation

CO3: To develop disaster response skills by adopting relevant tools and techniques

CO4: Enhance awareness of institutional processes for Disaster response and recovery

CO5: Develop fundamental ability to respond to their surroundings with potential



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ACADEMIC YEAR- 2023-2024 (ODD SEM)

CERTIFICATE COURSE

SPI0311 - STAAD PRO

SYLLABUS

UNIT-1

Introduction to STRUCTURAL ENGINEERING - Introduction to STAAD.Pro.V8i - Getting familiar with STAAD window - Model generation using STAAD editor

UNIT-2

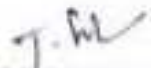
Introduction to Snap Node/Beam Editor - Model generation using Node/Beam Editor - Introduction to Translational Repeat -Model generation using Translational Repeat

UNIT-3

Assigning Properties - Assigning Supports - Assigning Loads - Structure Analysis

UNIT-4

Simply Supported Beam - Analysis of Framed Structure - Applying Floor Loads


PROGRAM COORDINATOR




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ACADEMIC YEAR- 2023-2024 (EVEN SEM)

CERTIFICATE COURSE

TK10312 - TEKLA

SYLLABUS

UNIT 1

Introduction To BIM - Getting Started Tekla Structures - Overview Of Structures Modelling - Create New Models - Create Gridlines And Creating Views - Modify And Delete Grids - Create Radial Grids - Create Model Views - Save View & Modify Views - Change The Color Settings

UNIT 2

Create Reinforcements, Modify, Create Planes And Points - Predefined Parametric Profiles - Modelling Concrete Structural Members - Editing Structural Members And Connections

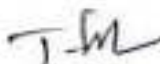
UNIT 3

Drawing And Reports - Report Templates, Reports For Rbars - Create Rebar Drawing Layout - Create GA Drawing - Single Part Drawing Import And Export Models(3d Drawing/Dxf,3d Dgn, Etc.,)

UNIT 4

Analyse And Design - Export Rebar Detailing - Generate Structural Drawings - Foundation Types - Load Application - Foundation Design - Structural Designer Introduction - Transfer Model To Tsd - Important Cad Layout - Loading And Design Codes.


PROGRAM COORDINATOR


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SYLLABUS

SYLLABUS OF THE CERTIFICATE COURSE

MODULE 1:

Preparatory Sessions- Python & Linux

Python Basics, OOPS, Numpy, Pandas, Matplotlib, Seaborn, Linux installation, Linux Commands for File Handling and Data Extraction, etc.

MODULE 2:

Git

Introduction to Git Version Control/Revision Control system. The types of VCS - 2. Getting Started with Git and Its Architecture.

MODULE 3

Python with Data Science

Building a solid foundation to explore the fields of web development, game development, data science & artificial intelligence. Become Industry 4.0 ready with this comprehensive Python course.

MODULE 4

Advanced Statistics

Statistical Methods: Definition and scope of Statistics, concepts of statistical population and sample. Data: quantitative and qualitative, attributes, variables, scales of measurement nominal, ordinal, interval and ratio. Presentation: tabular and graphical, including histogram and ogives, consistency and independence of data with special reference to attributes.

MODULE 5

Machine Learning & Prediction Algorithm

BASICS Learning Problems Perspectives and Issues Concept Learning Version Spaces and Candidate Eliminations - Inductive bias - Decision Tree learning - Representation - Algorithm - Heuristic Space Search

MODULE 6:

Data Science at Scale with PySpark

Data Science at Scale with PySpark. 5.1 Introduction to Big Data and Apache Spark. 5.2 Apache Spark framework and RDDs. 5.3 PySpark SQL and Data Science.


Program Coordinator


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Learn. Rise. Excel

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SYLLABUS

SYLLABUS OF THE CERTIFICATE COURSE

MODULE 1:

Basics of Networking and Web Architecture

Basic network concepts, Internet, channel, Bandwidth, Data Transfer Rate, Protocols: HTTP, FTP, TCP/IP, VoIP, Types of network: PAN, LAN, MAN, WAN, Web Architecture: Types of architecture- Client Server Model, Three Tier Model, Service Oriented Architectures.

MODULE 2:

WEBSITE DEVELOPMENT USING HTML AND CSS

Concept of website, its need and purpose, Languages used for website development, HTML: basic tags, formatting tags, Adding images, Lists, Internal and External Linking, Frames, Forms, Basics of Cascading Style sheets, Overriding, Comments, color, background, Font, images

MODULE 3

MULTIMEDIA DESIGN- GIMP

Gimp as a graphics tool Gimp interface, color modes, tools, transform, color tools, foreground, background Creating and editing images Filter tools like Blur, Layers : creating , rearranging and masking layers.

MODULE 4

INTRODUCTION TO DYNAMIC WEBSITES USING JAVASCRIPT

Limitations of static websites, Dynamic websites Features of JavaScript, extension of JavaScript Syntax of JavaScript, data types, operators, variables, Document object Creating interactive web pages using JavaScript Selection, terative statement: for, for/in, while, do while break and continue

MODULE 5

Server-Side Development

Designing and implementing the server logic, database management, user authentication, and business logic. Common programming languages for server-side development include Python, Ruby, Java, PHP, and Node.js

MODULE 6:

Frameworks and Libraries

Developers use frameworks and libraries to streamline the development process, ensure best practices. These tools provide pre-built components, structures, and patterns for routing, authentication, and data handling tasks.


Program Coordinator




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ACADEMIC YEAR 2023-2024 (ODD SEM)

CERTIFICATE COURSE

EVT10509- ELECTRIC VEHICLE TECHNOLOGY

SYLLABUS

UNIT I: Electric Vehicle: Introduction

History of Electric Vehicles – Automobile power Train-Architecture of Electric Vehicles -Types of Electric Vehicles- Break down of key components in EV-Vehicle Control Unit –Controllers used in EV

UNIT II: Power Electronics Converters and Electrical Motors for EV

Power Semiconductor devices- Rectifiers- DC -DC converters-Inverters -Bidirectional Chargers, Induction Motors -Permanent Magnet Brushless DC motor – Switched reluctance motor – Permanent magnet synchronous motor and their controllers -Regenerative Braking-Integration with Vehicle Systems

UNIT III: Battery Management Systems (BMS) for EV

Batteries –Types of Batteries- Battery packs- Energy Density and Range- Battery Degradation and Lifetime-Functions of a BMS-State of Charge (SoC) –State of Health-Temperature Management-Cell Balancing- Charging Control-Sensors-Battery Management Systems

UNIT IV: Electric Vehicle Charging

ON Board chargers – Off board chargers- Level 1 Charging -Level 2 Charging -DC fast Charging- Charging Connectors- Range and Efficiency


Program Coordinator


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ACADEMIC YEAR 2023-2024 (EVEN SEM)

CERTIFICATE COURSE

SPDH0508- SOLAR PHOTOVOLTAIC SYSTEM DESIGNING AND INSTALLATION

SYLLABUS

UNIT I: Solar Photovoltaic

Solar Cell and its function, Solar Technologies, Solar Cell Parameters, Efficiency of Solar Cell, Solar PV Module, Rating of Solar PV Module, PV Module Parameters, Efficiency of PV Module, Measuring Module Parameters, Connection of PV Module in Series and Parallel, Estimation and Measurement of PV Module Power, Selection of PV Module.

UNIT II: Batteries

Battery function, Types of Batteries, Battery parameters, Selection of Battery, Series-Parallel combination of Batteries, Batteries for Photo voltaic System, Application of Batteries in Solar PV system, Battery Maintenance and Measurements, Battery Fault Detection and Test, Battery Installation for PV system.

UNIT III: Electrical Wiring

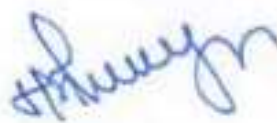
Types of Wire, Wire Sizing, Junction Box, DC cabling, AC cabling, Array Combiner Box, AC Distribution Box, Energy Metering, Electrical Grounding, Earth Resistance and Insulation Resistance Measurements.

UNIT IV: Solar PV System Design and Installation

Solar Radiation Energy Measurements, Estimating Energy requirement, Types of Solar PV System, Design methodology for SPV system, Design and Development of Solar Street Light and Solar Lantern, Installation and Trouble shooting of Standalone Solar PV System, Safety in installation of Solar PV System, Maintenance of Solar PV System.


Program Coordinator




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Syllabus

MODULE-I

Definition & Characteristics of IOT, Physical Design of IOT, Basic Components of IoT, Thing Sensing & Actuators, Vision, Physical Parameters, IOT Protocols, Application Areas of IoT: Home Automation, Smart Cities, Medical, Logistics, Environment, Analytics, Smart Grids.

MODULE-II

IOT Communication Models, APIs, IoT Architecture: Basic Architecture: 3 layer and 5-layer Architecture, ITU- IoT Reference Model, Machine to Machine Communication, IoT Gateways, Wireless Sensor Networks, Technologies: Bluetooth Low Energy (BLE), ZigBee: Architecture, Comparison with other wireless standards, LoraWAN.

MODULE-III

Electronic Product Code (EPC), Near Field Comm. (NFC), 6LoWPAN, End to End Reliability: MQTT, SCADA, Hardware and Software Platforms: Hardware: Raspberry Pi, ESP8266 Wifi Module, Arduino, Implementation of Basic Sensors (temperature, humidity, proximity, gas, air quality, Ultrasonic sensors)



Syllabus

MODULE-I

Transducers and sensors- Accuracy and precisions, types of errors, statistical analysis, probability of errors, limiting errors, sensitivity, linearity, hysteresis, resolution, reproducibility, transfer function. Analog Signal Conditioning: Signal conditioning, Loading effects, Bridges for measurement techniques, Attenuators and Amplifiers, Passive filters, Op-amp based signal conditioning circuits, Inverting and Non-Inverting Amplifiers, Linearization, Differential amplifiers and Instrumentation amplifiers.

MODULE-II

Digital Signal Conditioning: Digital measuring techniques, Sample and Hold Circuits, Comparator, Buffers, D/A Conversion and A/D Conversion, Single channel and multichannel Data Acquisition System (DAS). Temperature Sensors: Resistance Vs Temperature characteristics for different materials, Thermistors, Thermocouples - thermoelectric effects for thermocouples, thermocouple tables, RTD, Other Thermal Sensors

MODULE-III

Pressure, force, displacement and weight measurement: Capacitive and inductive transducers, Displacement Sensor (LVDT), Strain Sensors - strain gauges, its principle, applications, types of strain gauges, Load cells, Piezo-electric sensors, Motion sensors.

MODULE-IV

Flow measurement: Basic principle of flow meter, Differential pressure flow meters, Variable area flow meter, Volumetric flow meter, Hotwire anemometer, Magnetic and ultrasonic flow meter, Rota meter, Hall effect transducer working and measurement techniques.

MODULE-5

RF sensing: Basic principle of EM fields, Antenna, RFID, Near Field and Far Field Sensing, Radar and Navigation, EMI & EMC sensing.





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ACADEMIC YEAR – 2023-2024 (EVEN SEM)

VALUE ADDED COURSE

"TOA11402 - TRAINING ON ANSYS"

SYLLABUS

Chapter 1: before you start using Ansys

- a. Introduction to the Finite Element Method
- b. What is the Finite Element Method?
- c. General Steps of the Finite Element Method
- d. Explanation of 1D, 2D and 3D Elements with examples of ANSYS Elements
- e. Need of FEM
- f. Types of analysis that can be done using ANSYS
- g. Advantages of the Finite Element Method
- h. Limitations of FEA
- i. About ANSYS Inc.
- j. ANSYS Family of products with their capabilities
- k. Types of analysis that can be done with ANSYS.
- l. Introduction to the Ansys GUI
- m. Operation Modes of Ansys

Chapter 2: Selection Logic

- a. Pan-Zoom-Rotate
- b. Picking
- c. Coordinate Systems

Chapter 3: Solid Modeling

- a. An Overview of Solid Modeling Operations
- b. Working with Boolean operations
- c. Working Plane
- d. Importing of 3D models

Chapter 4: Meshing

- a. Free meshing or Mapped meshing
- b. Setting Element Attributes
- c. Selecting Element Type
- d. Shape Function
- e. Defining Element Types
- f. Defining Section Properties
- g. Assigning Element Attributes before meshing



- h. Mesh Controls
- i. The ANSYS Mesh Tool
- j. Smart sizing
- k. Meshing
- l. Free Meshing

Chapter 5: Material Properties

- a. Material Library
- b. Specifying properties

Chapter 6: Boundary Conditions

- a. Types of Loads
- b. Applying loads

Chapter 7: Solvers

- a. Types of Solvers
- b. Solver Setup
- c. Load Step Options
- d. Solving Multiple Load Steps

Chapter 8: Post-processing

- a. Contour Plot Viewing
- b. Time History Postprocessor (POST26)
- c. Report Generator

Chapter 9: Introduction to Non-Linear Analysis

Chapter 10: Sample Structural Analysis

- a. Workshop

Chapter 11: Sample Thermal Analysis

- a. Workshop

Chapter 12: Sample Modal Analysis

- a. Workshop

Chapter 13: Tips & Tricks

- a. Using the Toolbar & Creating Abbreviations
- b. Introduction to APDL
- c. Using Parameters
- d. Using the Start File
- e. Using the Session Editor
- f. Using Input Files

Chapter 14: ANSYS Workbench

- a. Introduction to ANSYS Workbench
- b. Graphical User Interface
- c. Static Structural Analysis
- d. Modal Analysis
- e. Thermal Analysis
- f. Contact Recognition


Program Coordinator




H&D



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ACADEMIC YEAR- 2023-2024 (ODD) VALUE ADDED COURSE PRODUCT DESIGN USING CREO SYLLABUS

Section -1

Introduction to Creo Parametric , parametric Nature, File Menu options Managing Files Menu Manager Model Tree, Understanding the functions of the Mouse Buttons , Ribbon Toolbars Navigator, Creo Parametric Browser Appearance Gallery Rendering in Creo Parametric , Colour Scheme Used in this Book. Sketch Mode Environment, Drawing a line, Centerline, Geometry centerline, Rectangle Ellipse, Dimensioning a Sketch Using the normal Tool Linear Dimensioning of a line.

Section -2

Creating Sketches : - Creating Fillets, Circular Fillets, Elliptical, Fillets, Creating Base Features Invoking the part Mode the Default Datum planes Creating a protrusion, Extruding a Sketch , Revolving a Sketch ,Understanding the Orientation of Datum planes, parent -child Relationship, Implicit Relationship, Explicit Relationship, Nesting of Sketches.

Section -3

Default Datum Planes Need for Datums in Modeling Selection Method in creo Parametric Datum Options, Datum Planes, Creating Datum Planes, Datum Planes created On -The -Fly, Datum Axes, Datum points Creating Cuts, Removing Material by using the Extrude Tool, Options Aiding Construction of parts creating Holes, Creating Rounds, Creating Basic Rounds.

Section -4

Creating Feature Patterns, Copying Features, Refs Mirror, Section of a solid Models, Works Region Method ,Sweep Features, Thin sweep Protrusion, Sweep Cut, Blend General Blend Vertex., shell Feature, Constant Thickness Shell, Thickness shell, Datum curves, Curve Button, Project option , wrap Option.

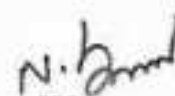
Section -5

Assembly Modeling, Top -Down. Assemblies, Components in the Assembly Model, Assembling Components, 3D Dragger, Applying constraints Status Area Placement Tab, Packaging components, Creating Simplified Representations redefining the components of an Assembly reordering components Suppressing /Resuming components replacing.

Section -6

Surface modeling, Creo Parametric, Extruded Surface creating a Revolved surface creating a Sweep, t blend surface creating a Helical Sweep Surface, Blending the boundaries, Style Environment of creo parametric, style Dashboard. Introduction to sheet metal, Mode, Planer wall, Revolve Wall, offset wall, Flat wall, Twist wall, Flange wall, bend back, sheet metal part, cuts in the sheet metal components.


Program Coordinator


HOD





GANESH COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
Attur Main Road, Mettupalayam, Salem - 636 111, Tamilnadu, India
Phone: 0427 2211112, +91 9865440014
E-Mail: annacpa@ganeshenggcollege.org www.ganeshenggcollege.org

Syllabus

MODULE-I

Generalized Instrumentation System-General properties of input transducer - Static Characteristics- Accuracy, Precision - Resolution-Reproducibility, Sensitivity, Drift, Hysteresis - Linearity, Input Impedance and Output Impedance, Dynamic Characteristics; First Order and Second Order Characteristics, Time Delay, Transfer Function - First and Second Order Systems.

MODULE-II

Temperature transducers- thermo resistive transducers, thermoelectric, Displacement transducers - potentiometric, resistive strain gauges, inductive displacement, and capacitive displacement transducer. Pressure transducer-indirect method - measurement of blood pressure using sphygmomanometer - piezoelectric type - catheter tip transducers - measurement of intracranial pressure - catheter tip-implantable type - Optical Sensors.

MODULE-III

Electrodes- Electrolyte Interface - Half Cell Potential - Polarization, Polarizable and Non Polarizable, Electrodes - Calomel Electrode - Electrode Circuit Model- Electrode Skin Interface and Motion Artifact - Body Surface Electrodes- Ion exchange membrane electrodes, oxygen electrodes, CO₂ electrodes enzyme electrode - ISFET for glucose - urea.





GANESH COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
Attur Main Road, Mettupatti, Salem - 636 111, Tamilnadu, India
Phone: 0427-2211212, +91 9865440434
E-Mail: principal@ganeshcollege.org www.ganeshcollege.org

Syllabus

MODULE-I

Bio signals characteristics – Origin of bio potential and its propagation. Frequency and amplitude ranges. Electrode configurations: Electrode-electrolyte interface, electrode-skin interface impedance, polarization effects of electrode – non-polarizable electrodes. Unipolar and bipolar configuration-classification of electrodes.

MODULE-II

Bio signals characteristics – ECG-frequency and amplitude ranges – Einthoven's triangle, standard 12 lead system. EEG - EEG – 10-20 electrode system, unipolar, bipolar and average mode. EMG- unipolar and bipolar mode. EMG - Electrode configuration - unipolar and bipolar mode.

MODULE-III

Need for bio-amplifier - Differential bio-amplifier – Single ended amplifier - Band pass filtering, isolation amplifiers – transformer and optical isolation - isolated DC amplifier - and AC carrier amplifier-Chopper amplifier- Power line interference.





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E-Mail: principal@ganeshenggcollege.org www.ganeshenggcollege.org

SYLLABUS

SYLLABUS OF THE CERTIFICATE COURSE

MODULE 1:

Overview of Blockchain

Introduction to Blockchain and its Origin, Blockchain is crucial and its objectives, Blockchain terminologies, databases and blockchain, Distributed Ledger, Blockchain ecosystem and structure, Working of blockchain, Types of blockchain.

MODULE 2:

Create & deploy your private Blockchain on MultiChain

Cryptography and Crypto-currency, Anonymity and Pseudonymity in cryptocurrencies

MODULE 3

Delving into Blockchain

The role and property of crypto, Terminology: Alice, Bob, Eve, encrypt, decrypt, cryptography, cryptanalysis, ROTx, substitution cipher, Symmetric encryption: DES, AES

MODULE 4

Hyperledger

Access policy, access control matrix, Oracle authentication: password, Kerberos, Oracle authorization: privileges, roles

MODULE 5

Prospects of Blockchain

Necessity of VPD, How to implement VPD, Problems of VPD, Launch SQL injection attacks, Countermeasures

MODULE 6:

Ethereum

Challenges in outsourced database, Merkle Hash Tree, Data confidentiality: relational encryption.


Program Coordinator


HOD





GANESH COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
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Phone: 0427 - 2211212, +91 9865440414
E-Mail: principal@ganeshenggcollege.org www.ganeshenggcollege.org

SYLLABUS

SYLLABUS OF THE CERTIFICATE COURSE

MODULE 1:

IOT Introduction

IOT enabling technologies, IOT Architecture, Major component of IOT, IOT communication and networking protocols, Role of wired and wireless communication.

MODULE 2:

IOT Security

Attack, Defense, and Network Robustness of Internet of Things, Malware Propagation and Control in Internet of Things, Privacy Preservation Data Dissemination

MODULE 3

IOT Data Acquisition & Platforms

MicroControllers (Arduino uno/mega2560, Rasberry-Pi, ARM), Real-time systems and embedded software, OS and Drivers (End Device Program)

MODULE 4

IOT Data Communication

IEEE 802.15.4, IEEE 802.15.4e, 802.11ah, Relay Access Point (AP), Grouping of station, Target Wake Time (TWT)

MODULE 5

IOT Data Storage & Retrieval

Overview and Role of Storage in Cloud / Server / Inhouse Storage. Databases Connectivity with IOT and uses.

MODULE 6:

IOT Data Analytics & Visualization

Analysis Of data using python Module, Visualization and interpretation of Data, Data Cleaning in IOT


Program Coordinator


HOD





GANESH COLLEGE OF ENGINEERING

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E-Mail: principal@ganeshenggcollege.org www.ganeshenggcollege.org

SYLLABUS

SYLLABUS OF THE CERTIFICATE COURSE

MODULE 1:

Social Media Features:

Social media platforms use machine learning algorithms and approaches to create some attractive and excellent features. For instance, Facebook notices and records.

MODULE 2:

Product Recommendations:

Product recommendation is one of the most popular and known applications of machine learning. Product recommendation is one of the stark features of almost every e-commerce website today, which is an advanced application of machine learning.

MODULE 3:

Image Recognition:

Image recognition, which is an approach for cataloging and detecting a feature or an object in the digital image, is one of the most significant and notable machine learning and AI techniques.

MODULE 4:

Sentiment Analysis:

Sentiment analysis is one of the most necessary applications of machine learning. AI is a real-time machine learning application that determines the emotion or opinion of the speaker or the write.

MODULE 5:

Automating Employee Access Control:

Organizations are actively implementing machine learning algorithms to determine the level of access employees would need in various areas, depending on their job profiles.

MODULE 6:

Regulating Healthcare Efficiency and Medical Services:

Significant healthcare sectors are actively looking at using machine learning algorithms to manage better. They predict the waiting times of patients in the emergency waiting rooms across various departments of hospitals.


Program Coordinator




HOD





GANESH COLLEGE OF ENGINEERING

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Attur Main Road, Mettupatti, Salem - 636 111, Tamilnadu, India
Phone: 0427 - 2211212, +91 9865440414
E-Mail: principal@ganeshenggcollege.org www.ganeshenggcollege.org

SYLLABUS

SYLLABUS OF THE CERTIFICATE COURSE

MODULE 1:

Foundation of Cyber Security and Engineering: This module covers four broad topic areas: programming, operating systems, encryption and networks. These topics will be taught in the context of Cyber Security.

MODULE 2:

Cyber Threat Intelligence and Network Security: Cyber threat intelligence has become one of the most popular topics in recent years with the explosion of cyber threat data from different data sources.

MODULE 3:

Malware Analysis, Penetration Testing and Incident Response : This module shows how to think like an attacker, how to probe systems for exploitable vulnerabilities and how to react appropriately when an incident occurs.

MODULE 4:

Digital Forensics with Legal, Ethical and Research Methods: The module focuses on the ethical and professional context of cyber security digital engineering, systems management, and digital forensics and in doing so it addresses the theory of professionals in organisations, security management, project management, the legal framework.

MODULE 5:

Data Analysis Project: In a data analysis project, the student is expected to evaluate, select and apply computational techniques for data analysis and knowledge extraction, to solve a novel data analysis or knowledge extraction problem.

MODULE 6:

Conceptual Analysis Project: In a conceptual analysis project, the student is expected to develop an analysis on paper of a system or of how to solve a problem. Such projects might involve developing an analysis of a working software system.


Program Coordinator




HOD



MUTHAYAMMAL ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi, Accredited by NAAC & Affiliated to Anna University)
Rasipuram - 637 408, Namakkal Dist., Tamil Nadu

Office of the Controller of Examinations

Email id: coe.office@mee.edu.in

Appointment Letter

MEC / AE / COE / - VALUATION / Dec-2024

Date : 27.12.2024

From

Dr.N. Saravanan, M.Tech., Ph.D., FIE.,
Controller of Examinations

To

Dr.Jambulingam_s
Designation:HOD/ECE
College name:Ganesh college of Engineering
Phone no:9994866089
Email id: jambueee07@gmail.com

Sir/Madam,

Sub : Appointment of Examiner to Autonomous institution – Nov/Dec-2024 Examinations – Reg.

I am by direction to inform you that you are appointed as Examiner for the paper valuation to Autonomous institution for Nov/Dec-2024 Examinations as noted below.

Board : EEE
Date : 28.12.2024
Timings : 9.00 a.m - 05.00 p.m

You are requested to decline the order, if your Son / Daughter / Relative is appearing in the Subject(s) for which you have been appointed as an Examiner. In such case, kindly inform us through Phone within two days from the receipt of this communication to make alternative arrangements.

Note : You are requested to follow the schedule and timings.

The Appointment order has to be kept strictly confidential. Your kind cooperation is requested in this regard.

Yours faithfully



N. Saravanan

CONTROLLER OF EXAMINATIONS
MUTHAYAMMAL ENGINEERING COLLEGE
(AUTONOMOUS)
RASIPURAM - 637 408, NAMAKKAL DIST



PRINCIPAL
Ganesh College of Engineering
Attur Main Road, Mettur



OFFICE OF THE CONTROLLER OF EXAMINATIONS

Mobile: 9363036225

Mail id: coc@selvamtech.edu.in

APPOINTMENT ORDER FOR QUESTION PAPER SCRUTINY MEMBER

Ref. No:SCT/CoE/NOV-DEC-2024/QP Scrutiny/55

Date: 29.10.2024

To

Dr.N.Senthilkumar,
Associate Professor,
Mechanical,
Ganesh College of Engineering,
Salem

Sir/Madam,

Sub: UG/PG Degree Examinations NOV/DEC-2024-Appointment of Scrutiny of Question Paper - Reg.

We have the honor by direction to inform you that you are appointed as Expert Member for Scrutiny of Question Paper for NOV/DEC-2024 Examinations of our college. We would be grateful for sparing your valuable time, efforts and also appreciate your commitment for the same.

Name of the Board	MECH
Date & Time	9.11.2024 @ 10:00AM
Venue	CoE Office, Selvam College of Technology

Remuneration for the scrutiny work will be provided as per the norms of the institute. Kindly keep the order confidential. Solicit your kind cooperation in this regard.



Govind
With warm regards,
Controller of Examinations
PRINCIPAL
Ganesh College of Engineering
Attur Main Road, Mettupatti/
SALEM-636 111



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

20.09.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.K.JAISON JAYARAJ, AP , FACULTY ID(6206114) – Board - PHYSICS
6206 - GANESH COLLEGE OF ENGG

Sir,

Sub: Central Valuation- U.G (I&II semester)- R2021 Examinations- Zone 8 Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From **22.09.2023** to **27.09.2023**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

Zonal Coordinator



PRINCIPAL
Ganesh College of Engineering,
Attur Main Road, Meitupatti
SALEM-636 111



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

20.09.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.M.MOHAN, AP , FACULTY ID(6206148) – Board - MECH
6206 - GANESH COLLEGE OF ENGG

Sir,

Sub: Central Valuation- U.G (I&II semester)- R2021 Examinations- Zone 8 Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From **22.09.2023** to **27.09.2023**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

Zonal Coordinator



PRINCIPAL
Ganesh College of Engineering
Attur Main Road, Mettupatti
SALEM-636 111



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Examiner for Central Valuation

20.09.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.S.REVATHI, AP , FACULTY ID(6206212) – Board - ENGLISH
6206 - GANESH COLLEGE OF ENGG

Sir,

Sub: Central Valuation- U.G (I&II semester)- R2021 Examinations- Zone II Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From **22.09.2023** to **27.09.2023**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

Zonal Coordinator



PRINCIPAL
Ganesh College of Engineering
Attur Main Road, Mettur
SALEM-636 111



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

20.09.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.T.PRIYA, AP , FACULTY ID(6206095) – Board - MATHS
6206 - GANESH COLLEGE OF ENGG

Sir,

Sub: Central Valuation- U.G (I&II semester)- R2021 Examinations- Zone 8 Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From **22.09.2023** to **27.09.2023**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

Zonal Coordinator



PRINCIPAL
Ganesh College of Engineering
Attur Main Road, Mettur
SALEM-636 111



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

20.09.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.R.SUNDARAM, AP , FACULTY ID(6206168) – Board - CSE
6206 - GANESH COLLEGE OF ENGG

Sir,

Sub: Central Valuation- U.G (I&II semester)- R2021 Examinations- Zone B Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From **22.09.2023** to **27.09.2023**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

Zonal Coordinator




PRINCIPAL
Ganesh College of Engineering
Attur Main Road, Mettupalaiyam
SALEM-636 111



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

20.09.2023

From

The Zonal Coordinator
Anna University
Chennai 25,

To

PROF.M.KARTHIKEYAN, ASP , FACULTY ID(6206024) – Board - EEE
6206 - GANESH COLLEGE OF ENGG

Sir,

Sub: Central Valuation- U.G (I&II semester)- R2021 Examinations- Zone B Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From **22.09.2023** to **27.09.2023**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

Zonal Coordinator



PRINCIPAL
Ganesh College of Engineering,
Attur Main Road, Vettupatti
SALEM



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

21.09.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.KALAIVANI L, AP , FACULTY ID(6206224) – Board - TAMIL
6206 - GANESH COLLEGE OF ENGG

Sir,

Sub: Central Valuation- U.G (I&II semester)- R2021 Examinations- Zone 8 Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From **22.09.2023** to **27.09.2023**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation,

yours sincerely,

- sd/-

Zonal Coordinator



PRINCIPAL
Ganesh College of Engineering
Attur Main Road, Mettupatti
SALEM 636 111



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Examiner for Central Valuation

23.05.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.SAKTHIVEL K, TAMIL(Faculty Code:6206223) – Board - TAMIL
6206 - GANESH COLLEGE OF ENGG

Sir,

Sub: Central Valuation- Phase - 3 - Zone 8 Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From **24.05.2023** to **31.05.2023**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

Zonal Coordinator



PRINCIPAL
Ganesh College of Engineering,
Attur Main Road, Mettupatti
SALEM-636 111



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

23.05.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.SAKTHIVEL K, TAMIL(Faculty Code:6206223) – Board - TAMIL
6206 - GANESH COLLEGE OF ENGG

Sir,

Sub: Central Valuation- Phase - 3 - Zone 8 Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From **24.05.2023** to **31.05.2023**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

Zonal Coordinator



PRINCIPAL
Ganesh College of Engineering
Attur Main Road, Mettupatti
SAI-EM-636 111



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

31.05.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.SAKTHIVEL K, TAMIL – Board - TAMIL
6206 - GANESH COLLEGE OF ENGG

Sir,

Sub: Central Valuation- Phase - 3 - Zone B Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From **01.06.2023** to **10.06.2023**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

Zonal Coordinator



PRINCIPAL
Ganesh College of Engineer
Attur Main Road, Melthup
SALEM-636 111

www.ganeshcollege.edu.in

Phone No: 0427 2440077



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

09.06.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.SAKTHIVEL K, TAMIL – Board - TAMIL
6206 - GANESH COLLEGE OF ENGG

Sir,

Sub: Central Valuation- Phase - 3 - Zone B Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From 12.06.2023 to 15.06.2023. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd-

Zonal Coordinator



PRINCIPAL
Ganesh College of Engineering,
Attur Main Road, Mettupatti
SALEM-636 111



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

16.05.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.T.PRIYA, AP , FACULTY ID(6206095) – Board - MATHS
6206 - GANESH COLLEGE OF ENGG

Sir,

Sub: Central Valuation- Phase - 1 - Zone 8 Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From **19.06.2023** to **22.06.2023**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

Zonal Coordinator



PRINCIPAL
Ganesha College of Engineering,
Attur Main Road, Mettupatti
SALEM-636 111



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

16.06.2023

From

The Zonal Coordinator

Anna University
Chennai 25.

To

PROF.S.MANGAIYARKARASI, AP , FACULTY ID(6206220) – Board - MATHS
6206 - GANESH COLLEGE OF ENGG

Sir,

Sub: Central Valuation- Phase - 1 - Zone 8 Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From **19.06.2023** to **22.06.2023**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- adi-

Zonal Coordinator




PRINCIPAL
Ganesh College of Engineering
Attur Main Road, Mettupatt
SALEM-636 111



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

16.06.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.P.BANUPPRIYA, AP , FACULTY ID(6206173) – Board - CSE
6206 - GANESH COLLEGE OF ENGG

Sir,

Sub: Central Valuation- Phase - 1 - Zone B Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From **19.06.2023** to **22.06.2023**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

Zonal Coordinator



PRINCIPAL
Ganesh College of Engineering,
Attur Main Road, Mettupatti
SALEM-636 111



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

16.06.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.I.JENIFER, AP , FACULTY ID(6206201) – Board - CSE
6206 - GANESH COLLEGE OF ENGG

Sir,

Sub: Central Valuation- Phase - 1 - Zone B Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From **19.06.2023** to **22.06.2023**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

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yours sincerely,

- sdi-

Zonal Coordinator



PRINCIPAL
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SALEM-636 111



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16.06.2023

From

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PROF.C.SILAMDARASAN, AP , FACULTY ID(6206183) – Board - CSE
6206 - GANESH COLLEGE OF ENGG

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Agur Main Road, Mettupalayam
SALEM-636 111



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Examiner for Central Valuation

16.06.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.R.ASHOK KUMAR, AP , FACULTY ID(6206184) – Board - CSE
6206 - GANESH COLLEGE OF ENGG

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Zonal Coordinator



PRINCIPAL
Ganesh College of Engineering
Attur Main Road, Mettupatti,
SALEM-636 111

Scan Code/Phone: 922294 180 Salem

Phone No. 247244477



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

16.06.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.P.BALASUBRAMANIAM, AP , FACULTY ID(6206037) – Board - ECE
6206 - GANESH COLLEGE OF ENGG

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16.06.2023

From

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Anna University
Chennai 25.

To

PROF.R.SUNDARAM, AP , FACULTY ID(6206168) – Board - CSE
6206 - GANESH COLLEGE OF ENGG

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16.06.2023

From

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Anna University
Chennai 25.

To

PROF.G.VISALAKSHI, ASP , FACULTY ID(6206084) – Board - EEE
6206 - GANESH COLLEGE OF ENGG

Sir,

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PRINCIPAL
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Attur Main Road, Mettur
SALEM-617711



ANNA UNIVERSITY :: CHENNAI - 600 025
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Examiner for Central Valuation

16.06.2023

From

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Anna University
Chennai 25.

To

PROF.R.KARTHIKEYAN, AP , FACULTY ID(6206067) – Board - EEE
6206 - GANESH COLLEGE OF ENGG

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Attur Main Road, Mettupalayam
SALEM-626 111



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

16.06.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.V.JAGADEESHWAR, AP , FACULTY ID(6206153) – Board - MECH
6206 - GANESH COLLEGE OF ENGG

Sir,

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Examiner for Central Valuation

16.06.2023

From

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Anna University
Chennai 25,

To

PROF.E.VENKATESAN, AP , FACULTY ID(6206119) – Board - MECH
6206 - GANESH COLLEGE OF ENGG

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16.06.2023

From

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Chennai 25.

To

PROF.M.MOHAN, AP , FACULTY ID(6206148) – Board - MECH
6206 - GANESH COLLEGE OF ENGG

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A.B.R. Main Road, Mettupalai,
SALEM-636 111



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16.06.2023

From

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Chennai 25.

To

PROF.A.GOWRISHANKAR, AP , FACULTY ID(6206118) – Board - MECH
6206 - GANESH COLLEGE OF ENGG

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16.06.2023

From

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Anna University
Chennai 25.

To

PROF.T.GOBI, AP , FACULTY ID(6206070) – Board - CIVIL
6206 - GANESH COLLEGE OF ENGG

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16.06.2023

From

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Anna University
Chennai 25.

To

PROF.J.M.VENKATESAN, AP , FACULTY ID(6206204) – Board - CIVIL
6206 - GANESH COLLEGE OF ENGG

Sir,

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Examiner for Central Valuation

16.06.2023

From

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Chennai 25

To

PROF.S.TAMILARASI, AP , FACULTY ID(6206192) – Board - CIVIL
6206 - GANESH COLLEGE OF ENGG

Sir,

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16.06.2023

From

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To

PROF.E.NANDHINI, AP , FACULTY ID(6206191) – Board - CIVIL
6206 - GANESH COLLEGE OF ENGG

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10.07.2023

From

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To

PROF.C.SILAMDARASAN, AP , FACULTY ID(6206183) – Board - CSE
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10.07.2023

From

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To

PROF.P.BANUPPRIYA, AP , FACULTY ID(6206173) – Board - CSE
6206 - GANESH COLLEGE OF ENGG

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10.07.2023

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10.07.2023

From

The Zonal Coordinator
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Chennai 25.

To

PROF.LANGU, AP , FACULTY ID(6206170) – Board - MECH
6206 - GANESH COLLEGE OF ENGG

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10.07.2023

From

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PROF.R.KARTHIKEYAN, AP , FACULTY ID(6206067) – Board - EEE
6206 - GANESH COLLEGE OF ENGG

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10.07.2023

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To

PROF.M.RAMKUMAR, AP , FACULTY ID(6206151) – Board - MECH
6206 - GANESH COLLEGE OF ENGG

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10.07.2023

From

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PROF.E.VENKATESAN, AP , FACULTY ID(6206119) – Board - MECH
6206 - GANESH COLLEGE OF ENGG

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10.07.2023

From

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Anna University
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To

PROF.S.SIVAKUMAR, AP , FACULTY ID(6206131) – Board - MECH
6206 - GANESH COLLEGE OF ENGG

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From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.A.GOWRISHANKAR, AP , FACULTY ID(6206118) – Board - MECH
6206 - GANESH COLLEGE OF ENGG

Sir,

Sub: Central Valuation- Phase - 2 - Zone B Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From **13.07.2023** to **16.07.2023**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sdr-

Zonal Coordinator



PRINCIPAL
Ganesh College of Engineering
Attur Main Road, Mettupatti
SALEM-636 111



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

10.07.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.S.TAMILARASI, AP , FACULTY ID(6206192) – Board - CIVIL
6206 - GANESH COLLEGE OF ENGG

Sir,

Sub: Central Valuation- Phase - 2 - Zone 8 Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From **13.07.2023** to **16.07.2023**. You are requested to report to the Camp Officer at **8.30 A.M.** during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sdi-

Zonal Coordinator



PRINCIPAL
Ganesh College of Engineering
Attur Main Road, Mettupatti
SALEM-636 111



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

10.07.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.J.M.VENKATESAN, AP , FACULTY ID(6206204) – Board - CIVIL
6206 - GANESH COLLEGE OF ENGG

Sir,

Sub: Central Valuation- Phase - 2 - Zone B Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From **13.07.2023** to **16.07.2023**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

Zonal Coordinator



PRINCIPAL
Ganesh College of Engineering
Attur Main Road, Mettupatti
SALEM-636 111



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Examiner for Central Valuation

26.08.2023

From

The Zonal Coordinator
Anna University
Chennai 25.

To

PROF.T.PRIYA, AP, FACULTY ID(6206095) – Board - MBA
6206 - GANESH COLLEGE

Sir,

Sub: Central Valuation- AM - 2023 - PG R2021 - Zone B Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at **GOVERNMENT COLLEGE OF ENGINEERING - SALEM (6177)** From **27.08.2023** to **05.09.2023**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

Zonal Coordinator




PRINCIPAL
Ganesh College of Engineering,
Attur Main Road, Mellupatti
SALEM-636 111