

I B. TECH I SEM SUBJECTS (ACE R22) 2023 Batch

S NO	EXT EXAM CODE	NAME	INT MAX	EXT MAX	SUB TYPE	CRE DIT S
CIVIL						
1	22MA101BS	Matrices and Calculus	40	60	Theory	4
2	22PH102BS	Applied Physics	40	60	Theory	4
3	22CS103ES	C Programming and Data Structures	40	60	Theory	3
4	22ME104ES	Engineering Workshop	40	60	Practical	2.5
5	22EN105HS	English for Skill Enhancement	40	60	Theory	2
6	22CE106ES	Fundamentals of Civil Engineering	0	50	Practical	1
7	22PH107BS	Applied Physics Laboratory	40	60	Practical	1.5
8	22EN109HS	English Language and Communication Skills Laboratory	40	60	Practical	1
9	22CS108ES	C Programming and Data Structures Laboratory	40	60	Practical	1
10	22MC110	Environmental Science	0	100	Practical	0
EEE						
1	22MA101BS	Matrices and Calculus	40	60	Theory	4
2	22CH102BS	Engineering Chemistry	40	60	Theory	4
3	22CS103ES	C Programming and Data Structures	40	60	Theory	3
4	22EE105ES	Electrical Circuit Analysis-I	40	60	Theory	3
5	22ME105ES	Computer Aided Engineering Graphics	40	60	Theory	3
6	22EE106ES	Electrical Circuit Analysis-I Laboratory	40	60	Practical	1
7	22CH107BS	Engineering Chemistry Laboratory	40	60	Practical	1
8	22CS108ES	C Programming and Data Structures Laboratory	40	60	Practical	1
MECH						
1	22MA101BS	Matrices and Calculus	40	60	Theory	4
2	22PH102BS	Applied Physics	40	60	Theory	4
3	22CS103ES	C Programming and Data Structures	40	60	Theory	3
4	22ME104ES	Engineering Workshop	40	60	Practical	2.5
5	22EN105HS	English for Skill Enhancement	40	60	Theory	2
6	22ME106ES	Elements of Mechanical Engineering	0	50	Practical	1
7	22PH107BS	Applied Physics Laboratory	40	60	Practical	1.5
8	22EN109HS	English Language and Communication Skills Laboratory	40	60	Practical	1
9	22CS108ES	C Programming and Data Structures Laboratory	40	60	Practical	1
10	22MC110	Environmental Science	0	100	Practical	0
ECE						
1	22MA101BS	Matrices and Calculus	40	60	Theory	4
2	22PH102BS	Applied Physics	40	60	Theory	4
3	22EC103ES	C Programming for Engineers	40	60	Theory	3
4	22ME104ES	Engineering Workshop	40	60	Practical	2.5
5	22EN105HS	English for Skill Enhancement	40	60	Theory	2
6	22EC106ES	Elements of Electronics and Communication Engineering	0	50	Practical	1
7	22PH107BS	Applied Physics Laboratory	40	60	Practical	1.5
8	22EC108ES	C Programming for Engineers Laboratory	40	60	Practical	1
9	22EN109HS	English Language and Communication Skills Laboratory	40	60	Practical	1
10	22MC110	Environmental Science	0	100	Practical	0

S NO	EXT EXAM CODE	NAME	INT MAX	EXT MAX	SUB TYPE	CRE DIT S
CSE						
1	22MA101BS	Matrices and Calculus	40	60	Theory	4
2	22CH102BS	Engineering Chemistry	40	60	Theory	4
3	22CS104ES	Programming for Problem Solving	40	60	Theory	3
4	22EE104ES	Basic Electrical Engineering	40	60	Theory	2
5	22ME105ES	Computer Aided Engineering Graphics	40	60	Theory	3
6	22CH107BS	Engineering Chemistry Laboratory	40	60	Practical	1
7	22CS109ES	Programming for Problem Solving Lab	40	60	Practical	2
8	22EE109ES	Basic Electrical Engineering Lab	40	60	Practical	1
IT						
1	22MA101BS	Matrices and Calculus	40	60	Theory	4
2	22CH102BS	Engineering Chemistry	40	60	Theory	4
3	22CS104ES	Programming for Problem Solving	40	60	Theory	3
4	22EE104ES	Basic Electrical Engineering	40	60	Theory	2
5	22ME105ES	Computer Aided Engineering Graphics	40	60	Theory	3
6	22CH107BS	Engineering Chemistry Laboratory	40	60	Practical	1
7	22CS109ES	Programming for Problem Solving Lab	40	60	Practical	2
8	22EE109ES	Basic Electrical Engineering Lab	40	60	Practical	1
CSM						
1	22MA101BS	Matrices and Calculus	40	60	Theory	4
2	22PH102BS	Applied Physics	40	60	Theory	4
3	22CS104ES	Programming for Problem Solving	40	60	Theory	3
4	22ME104ES	Engineering Workshop	40	60	Practical	2.5
5	22EN105HS	English for Skill Enhancement	40	60	Theory	2
6	22PH107BS	Applied Physics Laboratory	40	60	Practical	1.5
7	22CS109ES	Programming for Problem Solving Lab	40	60	Practical	2
8	22EN109HS	English Language and Communication Skills Laboratory	40	60	Practical	1
9	22MC110	Environmental Science	0	100	Practical	0
CSD						
1	22MA101BS	Matrices and Calculus	40	60	Theory	4
2	22CH102BS	Engineering Chemistry	40	60	Theory	4
3	22CS104ES	Programming for Problem Solving	40	60	Theory	3
4	22EE104ES	Basic Electrical Engineering	40	60	Theory	2
5	22ME105ES	Computer Aided Engineering Graphics	40	60	Theory	3
6	22CH107BS	Engineering Chemistry Laboratory	40	60	Practical	1
7	22CS109ES	Programming for Problem Solving Lab	40	60	Practical	2
8	22EE109ES	Basic Electrical Engineering Lab	40	60	Practical	1
CSO						
1	22MA101BS	Matrices and Calculus	40	60	Theory	4
2	22PH102BS	Applied Physics	40	60	Theory	4
3	22CS104ES	Programming for Problem Solving	40	60	Theory	3
4	22ME104ES	Engineering Workshop	40	60	Practical	2.5
5	22EN105HS	English for Skill Enhancement	40	60	Theory	2

S NO	EXT EXAM CODE	NAME	INT MAX	EXT MAX	SUB TYPE	CRE DIT S
6	22PH107BS	Applied Physics Laboratory	40	60	Practical	1.5
7	22CS109ES	Programming for Problem Solving Lab	40	60	Practical	2
8	22EN109HS	English Language and Communication Skills Laboratory	40	60	Practical	1
9	22MC110	Environmental Science	0	100	Practical	0

AID

1	22MA101BS	Matrices and Calculus	40	60	Theory	4
2	22PH102BS	Applied Physics	40	60	Theory	4
3	22CS104ES	Programming for Problem Solving	40	60	Theory	3
4	22ME104ES	Engineering Workshop	40	60	Practical	2.5
5	22EN105HS	English for Skill Enhancement	40	60	Theory	2
6	22CS106ES	Elements of Computer Science & Engineering	0	50	Practical	1
7	22PH107BS	Applied Physics Laboratory	40	60	Practical	1.5
8	22CS110ES	Programming for Problem Solving with C Laboratory	40	60	Practical	1
9	22EN109HS	English Language and Communication Skills Laboratory	40	60	Practical	1
10	22MC110	Environmental Science	0	100	Practical	0

AIM

1	22MA101BS	Matrices and Calculus	40	60	Theory	4
2	22PH102BS	Applied Physics	40	60	Theory	4
3	22CS104ES	Programming for Problem Solving	40	60	Theory	3
4	22ME104ES	Engineering Workshop	40	60	Practical	2.5
5	22EN105HS	English for Skill Enhancement	40	60	Theory	2
6	22PH107BS	Applied Physics Laboratory	40	60	Practical	1.5
7	22CS106ES	Elements of Computer Science & Engineering	0	50	Practical	1
8	22CS110ES	Programming for Problem Solving Laboratory with C	40	60	Practical	1
9	22EN109HS	English Language and Communication Skills Laboratory	40	60	Practical	1
10	22MC110	Environmental Science	0	100	Practical	0

I B. TECH II SEM SUBJECTS (ACE R22)

S NO	SYL CODE	REF CODE	NAME	INT MA	EXT MA	SUB TYPE	CRE DITS
CIVIL							
1	22MA201BS	ODEVC	Ordinary Differential Equations and Vector Calculus	40	60	Theory	4
2	22CH202BS	EC	Engineering Chemistry	40	60	Theory	4
3	22ME203ES	CAEG	Computer Aided Engineering Graphics	40	60	Theory	3
4	22CE204ES	AM	Applied Mechanics	40	60	Theory	3
5	22CE205PC	SUREVEY	SURVEYING	40	60	Theory	2
6	22CS206ES	PP LAB	Python Programming Laboratory	40	60	Practical	2
7	22CH207BS	EC LAB	Engineering Chemistry Laboratory	40	60	Practical	1
8	22CE208PC	Surveying Lab-I	Surveying Laboratory-I	40	60	Practical	1
EEE							
1	22MA201BS	ODEVC	Ordinary Differential Equations and Vector Calculus	40	60	Theory	4
2	22PH202BS	AP	Applied Physics	40	60	Theory	4
3	22ME209ES	EWS	Engineering Workshop	40	60	Practical	2.5
4	22EN204HS	ESE	English for skill Enhancement	40	60	Theory	2
5	22EE205ES	ECA-II	Electrical Circuit Analysis -II	40	60	Theory	2
6	22CS206ES	PP LAB	Python programming Laboratory	40	60	Practical	2
7	22PH207BS	AP LAB	Applied Physics laboratory	40	60	Practical	1.5
8	22EN208HS	ELCS LAB	English Language and communication skills laboratory	40	60	Practical	1
9	22EE209ES	ECA-II LAB	Electrical Circuit Analysis -II Laboratory	40	60	Practical	1
10	22MC210	ES	Environmental Science	0	100	Others	0
MECH							
1	22MA201BS	ODEVC	Ordinary Differential Equations and Vector Calculus	40	60	Theory	4
2	22CH202BS	EC	Engineering Chemistry	40	60	Theory	4
3	22ME203ES	CAEG	Computer Aided Engineering Graphics	40	60	Theory	3
4	22ME204ES	EM	Engineering Mechanics	40	60	Theory	3
5	22ME205PC	EMLS	Engineering Materials	40	60	Theory	2
6	22CS206ES	PP LAB	Python Programming Laboratory	40	60	Practical	2
7	22CH207BS	EC LAB	Engineering Chemistry Laboratory	40	60	Practical	1
8	22ME208PC	FL LAB	Fuels & Lubricants Laboratory	40	60	Practical	1
9	22CS206ES	PP LAB	Python Programming Laboratory	40	60	Practical	2.5
ECE							
1	22MA201BS	ODEVC	Ordinary Differential Equations and Vector Calculus	40	60	Theory	4
2	22CH202BS	EC	Engineering Chemistry	40	60	Theory	4
3	22ME203ES	CAEG	Computer Aided Engineering Graphics	40	60	Theory	3
4	22EE204ES	BEE	Basic Electrical Engineering	40	60	Theory	2
5	22EC205ES	EDC	Electronic Devices and Circuits	40	60	Theory	2
6	22EC206ES	APP LAB	Applied Python Programming Laboratory	40	60	Practical	2
7	22CH207BS	EC LAB	Engineering Chemistry Laboratory	40	60	Practical	1
8	22EE208ES	BEE LAB	Basic Electrical Engineering Laboratory	40	60	Practical	1
9	22EC209ES	EDC LAB	Electronic Devices and Circuits Laboratory	40	60	Practical	1
CSE							
1	22MA201BS	ODEVC	Ordinary Differential Equations and Vector Calculus	40	60	Theory	4
2	22PH202BS	AP	Applied Physics	40	60	Theory	4
3	22ME209ES	EWS	Engineering Workshop	40	60	Practical	2.5
4	22EN204HS	ESE	English for Skill Enhancement	40	60	Theory	2
5	22EC204ES	DE	Digital Electronics	40	60	Theory	2
6	22PH207BS	AP LAB	Applied Physics Laboratory	40	60	Practical	1.5
7	22CS206ES	PP LAB	Python Programming Laboratory	40	60	Practical	2
8	22EN208HS	ELCS LAB	English Language and Communication Skills Laboratory	40	60	Practical	1
9	22CS209ES	ITWS	IT Workshop	40	60	Practical	1
10	22MC210	ES	Environmental Science	0	100	Others	0

S NO	SYL CODE	REF CODE	NAME	INT MA	EXT MA	SUB TYPE	CRE DITS
IT							
1	22MA201BS	ODEVC	Ordinary Differential Equations and Vector Calculus	40	60	Theory	4
2	22PH202BS	AP	Applied Physics	40	60	Theory	4
3	22ME209ES	EWS	Engineering Workshop	40	60	Practical	2.5
4	22EN204HS	ESE	English for Skill Enhancement	40	60	Theory	2
5	22EC204ES	DE	Digital Electronics	40	60	Theory	2
6	22PH207BS	AP LAB	Applied Physics Laboratory	40	60	Practical	1.5
7	22CS206ES	PP LAB	Python Programming Laboratory	40	60	Practical	2
8	22EN208HS	ELCS LAB	English Language and Communication Skills Laborato	40	60	Practical	1
9	22CS209ES	ITWS	IT Workshop	40	60	Practical	1
10	22MC210	ES	Environmental Science	0	100	Others	0
CSM							
1	22MA201BS	ODEVC	Ordinary Differential Equations and Vector Calculus	40	60	Theory	4
2	22CH202BS	EC	Engineering Chemistry	40	60	Theory	4
3	22ME203ES	CAEG	Computer Aided Engineering Graphics	40	60	Theory	3
4	22EE204ES	BEE	Basic Electrical Engineering	40	60	Theory	2
5	22EC204ES	DE	Digital Electronics	40	60	Theory	2
6	22CH207BS	EC LAB	Engineering Chemistry Laboratory	40	60	Practical	1
7	22CS206ES	PP LAB	Python Programming Laboratory	40	60	Practical	2
8	22EE208ES	BEE LAB	Basic Electrical Engineering Laboratory	40	60	Practical	1
9	22CS209ES	ITWS	IT Workshop	40	60	Practical	1
CSD							
1	22MA201BS	ODEVC	Ordinary Differential Equations and Vector Calculus	40	60	Theory	4
2	22PH202BS	AP	Applied Physics	40	60	Theory	4
3	22ME209ES	EWS	Engineering Workshop	40	60	Practical	2.5
4	22EN204HS	ESE	English for Skill Enhancement	40	60	Theory	2
5	22EC204ES	DE	Digital Electronics	40	60	Theory	2
6	22PH207BS	AP LAB	Applied Physics Laboratory	40	60	Practical	1.5
7	22CS206ES	PP LAB	Python Programming Laboratory	40	60	Practical	2
8	22EN208HS	ELCS LAB	English Language and Communication Skills Laborato	40	60	Practical	1
9	22CS209ES	ITWS	IT Workshop	40	60	Practical	1
10	22MC210	ES	Environmental Science	0	100	Others	0
CSO							
1	22MA201BS	ODEVC	Ordinary Differential Equations and Vector Calculus	40	60	Theory	4
2	22CH202BS	EC	Engineering Chemistry	40	60	Theory	4
3	22ME203ES	CAEG	Computer Aided Engineering Graphics	40	60	Theory	3
4	22EE204ES	BEE	Basic Electrical Engineering	40	60	Theory	2
5	22EC204ES	DE	Digital Electronics	40	60	Theory	2
6	22CH207BS	EC LAB	Engineering Chemistry Laboratory	40	60	Practical	1
7	22CS206ES	PP LAB	Python Programming Laboratory	40	60	Practical	2
8	22EE208ES	BEE LAB	Basic Electrical Engineering Laboratory	40	60	Practical	1
9	22CS209ES	ITWS	IT Workshop	40	60	Practical	1
AID							
1	22MA201BS	ODEVC	Ordinary Differential Equations and Vector Calculus	40	60	Theory	4
2	22CH202BS	EC	Engineering Chemistry	40	60	Theory	4
3	22ME203ES	CAEG	Computer Aided Engineering Graphics	40	60	Theory	3
4	22EE204ES	BEE	Basic Electrical Engineering	40	60	Theory	2
5	22EC205ES	EDC	Electronic Devices and Circuits	40	60	Theory	2
6	22CS206ES	PP LAB	Python Programming Laboratory	40	60	Practical	2
7	22CH207BS	EC LAB	Engineering Chemistry Laboratory	40	60	Practical	1
8	22EE208ES	BEE LAB	Basic Electrical Engineering Laboratory	40	60	Practical	1

S NO	SYL CODE	REF CODE	NAME	INT MA	EXT MA	SUB TYPE	CRE DITS
9	22CS209ES	ITWS	IT Workshop	40	60	Practical	1
<i>AIM</i>							
1	22MA201BS	ODEVC	Ordinary Differential Equations and Vector Calculus	40	60	Theory	4
2	22CH202BS	EC	Engineering Chemistry	40	60	Theory	4
3	22ME203ES	CAEG	Computer Aided Engineering Graphics	40	60	Theory	3
4	22EE204ES	BEE	Basic Electrical Engineering	40	60	Theory	2
5	22EC205ES	EDC	Electronic Devices and Circuits	40	60	Theory	2
6	22CS206ES	PP LAB	Python Programming Laboratory	40	60	Practical	2
7	22CH207BS	EC LAB	Engineering Chemistry Laboratory	40	60	Practical	1
8	22EE208ES	BEE LAB	Basic Electrical Engineering laboratory	40	60	Practical	1
9	22CS209ES	ITWS	IT Workshop	40	60	Practical	1

II B. TECH I SEM SUBJECTS (ACE R22) - 2023 Batch

S NO	SYL CODE	REF CODE	NAME	INT	EX T	SUB TYPE	CRE DIT S
AID							
1	22MA402BS	MSF	Mathematical and Statistical Foundations	40	60	Theory	4
2	22EC304ES	STLD	Switching Theory And Logic Design	40	60	Theory	3
3	22CS302PC	DS	Data Structures	40	60	Theory	3
4	22CS305PC	OOPS JAVA	Object Oriented Programming through Java	40	60	Theory	3
5	22CS304PC	COA	Computer Organization and Architecture	40	60	Theory	3
6	22EC310ES	STLD	Switching Theory And Logic Design Lab	40	60	Practical	1
7	22CS309PC	DS USING C LAB	Data Structures Lab using C	40	60	Practical	1
8	22CS411PC	JP LAB	Java Programming Lab	40	60	Practical	1
9	22CS310PC	SDC	Data visualization- R Programming/ Power BI	40	60	Practical	1
10	22MC309	COI	Constitution of India	0	100	Practical	0
AIM							
1	22MA402BS	MSF	Mathematical and Statistical Foundations	40	60	Theory	4
2	22CS302PC	DS	Data Structures	40	60	Theory	3
3	22CS304PC	COA	Computer Organization and Architecture	40	60	Theory	3
4	22CS312PC	SE	Software Engineering	40	60	Theory	3
5	22CS313PC	OS	Operating Systems	40	60	Theory	3
6	22CS309PC	DS USING C LAB	Data Structures Lab using C	40	60	Practical	1
7	22CS314PC	OS LAB	Operating Systems Lab	40	60	Practical	1
8	22CS315PC	SE LAB	Software Engineering Lab	40	60	Practical	1
9	22CS316PC	Node JS/ React JS/ Django	Node JS/ React JS/ Django	40	60	Practical	1
10	22MC309	COI	Constitution of India	0	100	Practical	0
CIVIL							
1	22MA304BS	P&S	Probability and Statistics	40	60	Theory	4
2	22CE302PC	BMCP	Building Materials, Construction and Planning	40	60	Theory	3
3	22CE303PC	EG	Engineering Geology	40	60	Theory	3
4	22CE304PC	SOM-I	Strength of Materials - I	40	60	Theory	3
5	22CE305PC	FM	Fluid Mechanics	40	60	Theory	3
6	22CE306PC	SURVEY LAB-II	Surveying Laboratory - II	40	60	Practical	2
7	22CE307PC	SOM LAB	Strength of Materials Laboratory	40	60	Practical	1
8	22CE308PC	CAD LAB	Computer Aided Drafting Laboratory	40	60	Practical	1
9	22MC309	COI	Constitution of India	0	100	Practical	0
EEE							
1	22MA301BS	NMCV	Numerical Methods & Complex Variables	40	60	Theory	4
2	22ME302ES	SMHM	Solid Mechanics & Hydraulic Machines	40	60	Theory	3
3	22EC303ES	AE	Analog Electronics	40	60	Theory	3
4	22EE304PC	EM-I	Electrical Machines-I	40	60	Theory	4
5	22EE305PC	EMF	Electro Magnetic Fields	40	60	Theory	3
6	22EE306PC	EM-I LAB	Electrical Machines-I Laboratory	40	60	Practical	1
7	22EC307ES	AE LAB	Analog Electronics Laboratory	40	60	Practical	1
8	22EE308PC	ES LAB	Electrical Simulation Laboratory	40	60	Practical	1
9	22MC310	GS LAB	Gender Sensitization Lab	0	100	Practical	0
MECH							
1	22MA305BS	PSCV	Probability, Statistics & Complex Variables	40	60	Theory	4
2	22ME302PC	MOS	Mechanics of Solids	40	60	Theory	3
3	22ME303PC	MMS	Metallurgy & Material Science	40	60	Theory	3
4	22ME304PC	PT	Production Technology	40	60	Theory	3
5	22ME305PC	TD	Thermodynamics	40	60	Theory	4
6	22ME306PC	PT LAB	Production Technology Laboratory	40	60	Practical	1
7	22ME307PC	MS&MOS LAB	Material Science & Mechanics of Solids Laboratory	40	60	Practical	1
8	22ME308PC	CAMD	Computer Aided Machine Drawing	40	60	Practical	1
9	22MC309	COI	Constitution of India	0	100	Practical	0

S NO	SYL CODE	REF CODE	NAME	INT	EX T	SUB TYPE	CRE DIT S
<i>ECE</i>							
1	22EC301PC	AEC	Analog Electronic Circuits	40	60	Theory	4
2	22EC302PC	NAS	Network Analysis and Synthesis	40	60	Theory	3
3	22EC303PC	DLD	Digital Logic Design	40	60	Theory	3
4	22EC304PC	S&S	Signals and Systems	40	60	Theory	4
5	22EC305ES	PTSP	Probability Theory and Stochastic Processes	40	60	Theory	3
6	22EC306PC	AEC LAB	Analog Electronic Circuits Laboratory	40	60	Practical	1
7	22EC307PC	DLD LAB	Digital Logic Design Laboratory	40	60	Practical	1
8	22EC308PC	BS LAB	Basic Simulation Laboratory	40	60	Practical	1
9	22MC309	COI	Constitution of India	0	100	Practical	0
<i>CSE</i>							
1	22EC301ES	EDC	Electronic Devices and Circuits	40	60	Theory	2
2	22CS302PC	DS	Data Structures	40	60	Theory	3
3	22MA303BS	COSM	Computer Oriented Statistical Methods	40	60	Theory	4
4	22CS304PC	COA	Computer Organization and Architecture	40	60	Theory	3
5	22CS305PC	OOPJAVA	Object Oriented Programming through Java	40	60	Theory	3
6	22CS306PC	ECSE	Elements of Computer Science & Engineering	0	50	Practical	1
7	22CS307PC	DS LAB	Data Structures Lab	40	60	Practical	1.5
8	22CS308PC	OOP JAVA LAB	Object Oriented Programming through Java Lab	40	60	Practical	1.5
9	22MC310	GS LAB	Gender Sensitization Lab	0	100	Practical	0
10	22CS310PC	DVRP/PBI	Data visualization- R Programming/ Power BI	40	60	Practical	1
<i>IT</i>							
1	22EC301ES	EDC	Electronic Devices and Circuits	40	60	Theory	2
2	22CS302PC	DS	Data Structures	40	60	Theory	3
3	22MA303BS	COSM	Computer Oriented Statistical Methods	40	60	Theory	4
4	22IT304PC	COM	Computer Organization and Microprocessor	40	60	Theory	3
5	22EC306ES	IIOT	Introduction to IoT	40	60	Theory	2
6	22CS306PC	ECSE	Elements of Computer Science & Engineering	0	50	Practical	1
7	22EC309ES	DE LAB	Digital Electronic Lab	40	60	Practical	1
8	22CS307PC	DS LAB	Data Structures Lab	40	60	Practical	1.5
9	22EC308ES	IOT LAB	Internet of Things Lab	40	60	Practical	1.5
10	22MC310	GS LAB	Gender Sensitization Lab	0	100	Practical	0
11	22CS310PC	DVRP/PBI	Data visualization- R Programming/ Power BI	40	60	Practical	1
<i>CSM</i>							
1	22MA402BS	MSF	Mathematical and Statistical Foundations	40	60	Theory	4
2	22CS302PC	DS	Data Structures	40	60	Theory	3
3	22CS304PC	COA	Computer Organization and Architecture	40	60	Theory	3
4	22CS312PC	SE	Software Engineering	40	60	Theory	3
5	22CS313PC	OS	Operating Systems	40	60	Theory	3
6	22CS309PC	DS LAB USING C	Data Structures Lab using C	40	60	Practical	1
7	22CS314PC	OS LAB	Operating Systems Lab	40	60	Practical	1
8	22CS315PC	SE LAB	Software Engineering Lab	40	60	Practical	1
9	22CS316PC	NJS/RJS/DJ	Node JS/ React JS/ Django	40	60	Practical	1
10	22MC309	COI	Constitution of India	0	100	Practical	0
11	22MC311	FOCSE	Fundamentals of Computer Sciene & Engineering	0	50	Practical	0

S NO	SYL CODE	REF CODE	NAME	INT	EX T	SUB TYPE	CRE DIT S
CSD							
1	22EC301ES	EDC	Electronic Devices and Circuits	40	60	Theory	2
2	22CS302PC	DS	Data Structures	40	60	Theory	3
3	22MA303BS	COSM	Computer Oriented Statistical Methods	40	60	Theory	4
4	22CS304PC	COA	Computer Organization and Architecture	40	60	Theory	3
5	22CS305PC	OOPJAVA	Object Oriented Programming through Java	40	60	Theory	3
6	22CS306PC	ECSE	Elements of Computer Science & Engineering	0	50	Practical	1
7	22CS307PC	DS LAB	Data Structures Lab	40	60	Practical	1.5
8	22CS308PC	OOP JAVA LAB	Object Oriented Programming through Java Lab	40	60	Practical	1.5
9	22DS310PC	DVRP/PBI	Data visualization- R Programming/ Power BI	40	60	Practical	1
10	22MC312	APP	Advanced Python Programming	0	100	Practical	0
11	22MC310	GS LAB	Gender Sensitization Lab	0	100	Practical	0
CSO							
1	22EC301ES	EDC	Electronic Devices and Circuits	40	60	Theory	2
2	22CS302PC	DS	Data Structures	40	60	Theory	3
3	22CS313PC	OS	Operating Systems	40	60	Theory	3
4	22CS312PC	SE	Software Engineering	40	60	Theory	3
5	22CS311PC	DM	Discrete Mathematics	40	60	Theory	3
6	22CS306PC	ECSE	Elements of Computer Science & Engineering	0	50	Practical	1
7	22EC309ES	DE LAB	Digital Electronic Lab	40	60	Practical	1
8	22CS307PC	DS LAB	Data Structures Lab	40	60	Practical	1.5
9	22CS314PC	OS LAB	Operating Systems Lab	40	60	Practical	1.5
10	22MC309	COI	Constitution of India	0	100	Practical	0
11	22CS310PC	DVRP/PBI	Data visualization- R Programming/ Power BI	40	60	Practical	1

II B. TECH II SEM SUBJECTS (ACE R22)

S N O	SYL CODE	REF CODE	NAME	INT MA X	EXT MA X	SUB TYPE	CR EDI TS
CIVIL							
1	22EE401ES	EEEE	Elements of Electrical and Electronics Engineering	40	60	Theory	3
2	22CE402PC	CT	Concrete Technology	40	60	Theory	3
3	22CE403PC	SOM-II	Strength of Materials II	40	60	Theory	3
4	22CE404PC	HHM	Hydraulics and Hydraulics Machinery	40	60	Theory	3
5	22CE405PC	SA-I	Structural Analysis - I	40	60	Theory	3
6	22CE406PC	HHM LAB	Hydraulics and Hydraulics Machinery Laboratory	40	60	Practical	1
7	22EE407ES	EEEE LAB	Elements of Electrical and Electronics Engineering Laboratory	40	60	Practical	1
8	22CE408PC	EG&CT LAB	Engineering Geology & Concrete Technology Laboratory	40	60	Practical	1
9	22CE409PC	RP/BP	Research Project/ Field-Based Project	50	0	Practical	2
10	22MC410	GS LAB	Gender Sensitization Laboratory	0	100	Practical	0
EEE							
1	22EE401PC	PS-I	Power Systems-I	40	60	Theory	3
2	22EE402PC	M&I	Measurements and Instrumentation	40	60	Theory	3
3	22EE403PC	EM-II	Electrical MachinesII	40	60	Theory	3
4	22EC404ES	DC	Digital Circuits	40	60	Theory	2
5	22EE405PC	CS	Control Systems	40	60	Theory	4
6	22EC406ES	DC LAB	Digital Circuits Laboratory	40	60	Practical	1
7	22EE407PC	M&I LAB	Measurements and Instrumentation Laboratory	40	60	Practical	1
8	22EE408PC	EM-II LAB	Electrical Machines-II Laboratory	40	60	Practical	1
9	22EE409PC	ROMP	Research Oriented Mini Project / Filed Based Project	50	0	Practical	2
10	22MC409	COI	Constitution of India	0	100	Practical	0
MECH							
1	22EE401ES	EEEE	Elements of Electrical and Electronics Engineering	40	60	Theory	3
2	22ME402PC	KOM	Kinematics of Machinery	40	60	Theory	3
3	22ME403PC	FMHM	Fluid Mechanics & Hydraulic Machines	40	60	Theory	3
4	22ME404PC	ICS>	IC Engines & Gas Turbines	40	60	Theory	3
5	22ME405PC	ICS>	Instrumentation and Control Systems	40	60	Theory	3
6	22EE407ES	EEEE LAB	Elements of Electrical and Electronics Engineering Laboratory	40	60	Practical	1
7	22ME406PC	FMHM LAB	Fluid Mechanics & Hydraulic Machines Laboratory	40	60	Practical	1
8	22ME408PC	ICS LAB	Instrumentation and Control Systems Laboratory	40	60	Practical	1
9	22ME409PC	RTRP	Real-time Research Project/ Field-Based Project	50	0	Practical	2
10	22MC410	GS LAB	Gender Sensitization Laboratory	0	100	Practical	0
ECE							
1	22MA401BS	NMCV	Numerical Methods and Complex Variables	40	60	Theory	3
2	22EC402PC	EFTL	Electromagnetic Fields and Transmission Lines	40	60	Theory	3
3	22EC403PC	ADC	Analog and Digital Communications	40	60	Theory	3
4	22EC404PC	LDICA	Linear and Digital IC Applications	40	60	Theory	3
5	22EC405PC	ECA	Electronic Circuit Analysis	40	60	Theory	3
6	22EC406PC	ADC LAB	Analog and Digital Communications Laboratory	40	60	Practical	1
7	22EC407PC	LDICA LAB	Linear and Digital IC Applications Laboratory	40	60	Practical	1
8	22EC408PC	ECA LAB	Electronic Circuit Analysis Laboratory	40	60	Practical	1
9	22EC409PC	RTP	Real Time Project/ Field Based Project	50	0	Practical	2
10	22MC410	GS LAB	Gender Sensitization Laboratory	0	100	Practical	0
CSE							
1	22CS401PC	DM	Discrete Mathematics	40	60	Theory	3
2	22SM402MS	BEFA	Business Economics & Financial Analysis	40	60	Theory	3
3	22CS403PC	OS	Operating Systems	40	60	Theory	3
4	22CS404PC	DBMS	Database Management Systems	40	60	Theory	3
5	22CS405PC	SE	Software Engineering	40	60	Theory	3
6	22CS406PC	OS LAB	Operating Systems Lab	40	60	Practical	1
7	22CS407PC	DBMS LAB	Database Management Systems Lab	40	60	Practical	1
8	22CS408PC	RTRP	Real-time Research Project/Societal Related Project	50	0	Practical	2
9	22MC409	COI	Constitution of India	0	100	Practical	0
10	22CS410PC	SDC	Skill Development Course (Node JS/ React JS/Django/Flask	40	60	Practical	1
IT							

S N O	SYL CODE	REF CODE	NAME	INT MA X	EXT MA X	SUB TYPE	CR EDI TS
1	22CS401PC	DM	Discrete Mathematics	40	60	Theory	3
2	22SM402MS	BEFA	Business Economics & Financial Analysis	40	60	Theory	3
3	22CS403PC	OS	Operating Systems	40	60	Theory	3
4	22CS404PC	DBMS	Database Management Systems	40	60	Theory	3
5	22IT405PC	JAVA	Java Programming	40	60	Theory	2
6	22CS406PC	OS LAB	Operating Systems Lab	40	60	Practical	1
7	22CS407PC	DBMS LAB	Database Management Systems Lab	40	60	Practical	1
8	22CS411PC	JAVA LAB	Java Programming Lab	40	60	Practical	1
9	22IT409PC	RTRP	Real-time Research Project/Societal Related Project	50	0	Practical	2
10	22MC409	COI	Constitution of India	0	100	Practical	0
11	22CS410PC	SDC	Skill Development Course (NodeJ S/React JS/Django/Flask)	40	60	Practical	1
CSM							
1	22CS401PC	DM	Discrete Mathematics	40	60	Theory	3
2	22CS402PC	ATCD	Automata Theory and Compiler Design	40	60	Theory	3
3	22CS404PC	DBMS	Database Management Systems	40	60	Theory	3
4	22CM403PC	IAI	Introduction to Artificial Intelligence	40	60	Theory	3
5	22CS412PC	OOPS JAVA	Object Oriented Programming Through Java	40	60	Theory	3
6	22CS407PC	DBMS LAB	Database Management Systems Lab	40	60	Practical	1
7	22CS411PC	JAVA LAB	Java Programming Lab	40	60	Practical	1
8	22CM404PC	RTRP	Real-time Research Project/Societal Related Project	50	0	Practical	2
9	22CM409PC	PLP	Prolog/Lisp/Pyswip	40	60	Practical	1
10	22MC410	GS LAB	Gender Sensitization Laboratory	0	100	Practical	0
CSD							
1	22CS401PC	DM	Discrete Mathematics	40	60	Theory	3
2	22SM402MS	BEFA	Business Economics & Financial Analysis	40	60	Theory	3
3	22CS403PC	OS	Operating Systems	40	60	Theory	3
4	22CS404PC	DBMS	Database Management Systems	40	60	Theory	3
5	22CS405PC	SE	Software Engineering	40	60	Theory	3
6	22CS406PC	OS LAB	Operating Systems Lab	40	60	Practical	1
7	22CS407PC	DBMS LAB	Database Management Systems Lab	40	60	Practical	1
8	22CD401PC	RTRP	Real-time Research Project/Societal Related Project	50	0	Practical	2
9	22CS409PC	NRD	Node JS/ React JS/ Django	40	60	Practical	1
10	22MC409	COI	Constitution of India	0	100	Practical	0
CSO							
1	22MA402BS	COSM	Computer Oriented Statistical Methods	40	60	Theory	4
2	22CS413PC	COA	Computer Organization and Architecture	40	60	Theory	3
3	22EC401ES	SD	Sensors and Devices	40	60	Theory	2
4	22CS412PC	OOPS JAVA	Object Oriented Programming through Java	40	60	Theory	3
5	22CS414PC	CN	Computer Networks	40	60	Theory	3
6	22EC402ES	SD LAB	Sensors and Devices Lab	40	60	Practical	1
7	22CS411PC	JAVA LAB	Java Programming Lab	40	60	Practical	1
8	22CO401PC	RTRP	Real-time Research Project/ Field Based Research Project	50	0	Practical	2
9	22MC410	GS LAB	Gender Sensitization Laboratory	0	100	Practical	0
10	22CS410PC	SDC	Skill Development Course (Node JS/ React JS/Django/Flask)	40	60	Practical	1
AID							
1	22CS401PC	DM	Discrete Mathematics	40	60	Theory	3
2	22CM403PC	IAI	Introduction to Artificial Intelligence	40	60	Theory	3
3	22CS403PC	OS	Operating Systems	40	60	Theory	3
4	22CS404PC	DBMS	Database Management Systems	40	60	Theory	3
5	22CS405PC	SE	Software Engineering	40	60	Theory	3
6	22CS406PC	OS LAB	Operating Systems Lab	40	60	Practical	1
7	22CS407PC	DBMS LAB	Database Management Systems Lab	40	60	Practical	1
8	22AD401PC	RTRP	Real-time Research Project / Field Based Research Project	50	0	Practical	2
9	22CS409PC	NRD	Node JS/ React JS/ Django	40	60	Practical	1
10	22MC410	GS LAB	Gender Sensitization Laboratory	0	100	Practical	0
AM							
1	22CS401PC	DM	Discrete Mathematics	40	60	Theory	3

S N O	SYL CODE	REF CODE	NAME	INT MA X	EXT MA X	SUB TYPE	CR EDI TS
2	22CS402PC	ATCD	Automata Theory and Compiler Design	40	60	Theory	3
3	22CS404PC	DBMS	Database Management Systems	40	60	Theory	3
4	22CM403PC	IAI	Introduction to Artificial Intelligence	40	60	Theory	3
5	22CS412PC	OOPS JAVA	Object Oriented Programming through Java	40	60	Theory	3
6	22CS407PC	DBMS LAB	Database Management Systems Lab	40	60	Practical	1
7	22CS411PC	JAVA LAB	Java Programming Lab	40	60	Practical	1
8	22AM401PC	RTRP	Real-time Research Project / Field Based Research Project	50	0	Practical	2
9	22MC410	GS LAB	Gender Sensitization Laboratory	0	100	Practical	0
10	22CM409PC	PLP	Prolog/Lisp/Pyswip	40	60	Practical	1