

**MAR ATHANASIUS COLLEGE OF ENGINEERING
KOTHAMANGALAM, KERALA, 686 666**

(Government Aided Autonomous Institution)



BACHELOR OF TECHNOLOGY (B.Tech)

CURRICULUM 2024

**MAR ATHANASIOUS COLLEGE OF ENGINEERING
KOTHAMANGALAM, KERALA, 686 666**

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BACHELOR OF TECHNOLOGY (B.Tech)

CIVIL ENGINEERING

CURRICULUM 2024

SEMESTER 1

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA1T01	MATHEMATICS -1	3-1-0-3	4	4
B	B24ES1T01B	PROBLEM SOLVING AND PROGRAMMING TECHNIQUES(B)	2-1-0-2	3	3
C	B24XX1T01	PROGRAMME SPECIFIC COURSE	2-1-0-2	3	3
D	B24XX1T02	PROGRAMME CORE	2-2-0-2	4	4
E	B24ES1T03C	PROGRAMME SPECIFIC COURSE	2-1-1-3	4	4
G	B24ES1L01B	PROGRAMMING LAB(B)	0-0-3-3	3	2
H	B24XX1L01	PROGRAMME CORE LAB	0-0-3-3	3	2
I	B24MC1T01	LIFE SKILLS	1-0-1-2	2	P/F
J	B24MC1T02	DESIGN THINKING	1-1-0-1	2	P/F
K	B24MC1L01	YOGA AND SPORTS	0-1-1-1	2	P/F

SEMESTER 2

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA1T02	MATHEMATICS -2	3-1-0-3	4	4
B	B24PH1T01B	ENGINEERING PHYSICS(B)	2-1-0-2	3	3
C	B24CY1T01B	ENGINEERING CHEMISTRY(B)	2-1-0-2	3	3
D	B24ES1T04	PROGRAMME SPECIFIC COURSE	2-2-0-2	4	4
E	B24XX1T03	PROGRAMME CORE	2-1-0-2	3	3
F	B24ES1L03	PROGRAMME SPECIFIC COURSE WORKSHOP	0-0-2-2	2	1
G	B24XX1L02	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24PH1L01B B24CY1L01B	PHYSICS(B) AND CHEMISTRY(B) LAB	0-0-2-2	2	1
I	B24MC1T03	PROFESSIONAL COMMUNICATION AND ETHICS	2-0-1-3	3	P/F
J	B24MC1L02	IDEA LAB	0-0-3-3	3	P/F

SEMESTER 3

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA2T03A	MATHEMATICS -3	3-1-0-3	4	4
B	B24XX2T01	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX2T02	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX2T03	PROGRAMME CORE	2-1-0-2	3	3
E	B24HU2T02	ENTREPRENEURSHIP AND MANAGEMENT SKILLS FOR ENGINEERS	2-1-0-2	3	3
G	B24XX2L03	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX2L04	PROGRAMME CORE LAB	0-0-3-3	3	2
I	B24MC2T04	UNIVERSAL HUMAN VALUE AND CONSTITUTIONAL RIGHTS	2-0-0-2	2	P/F
J	B24MC2T05	ENERGY CONSERVATION AND ENVIRONMENTAL SUSTAINABILITY	2-0-0-2	2	P/F
M		MINOR	3-1-0-3	4	4

SEMESTER 4

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA2T04B	MATHEMATICS -4	3-1-0-3	4	4
B	B24XX2T04	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX2T05	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX2T06	PROGRAMME CORE	3-1-0-3	4	3
E	B24HU2T01	BUSINESS ECONOMICS AND FINANCIAL MANAGEMENT	3-0-0-3	3	3
F	B24XX2T07	PROGRAMME CORE	2-1-0-2	3	3
G	B24XX2L05	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX2L06	PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 5

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX3T01	PROGRAMME CORE	3-1-0-3	4	4
B	B24XX3T02	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX3T03	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX3T04	PROGRAMME CORE	2-1-0-2	3	3
E	B24XX3T05	PROGRAMME CORE	3-1-0-3	4	4
F	B24XX3P1X	PROGRAMME ELECTIVE I	2-1-0-2	3	3
G	B24XX3L07	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX3L08	PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 6

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX3T06	PROGRAMME CORE	3-1-0-3	4	4
B	B24XX3T07	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX3T08	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX3T09	PROGRAMME CORE	3-1-0-3	4	4
E	B24XX3P2X	PROGRAMME ELECTIVE II	2-1-0-2	3	3
F	B24XX3G1X	OPEN ELECTIVE I	2-1-0-2	3	3
G	B24XX3L09	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX3L10	MINI PROJECT / PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 7

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX4T01	PROGRAMME CORE	2-1-0-2	3	3
B	B24XX4P3X	PROGRAMME ELECTIVE III	2-1-0-2	3	3
C	B24XX4P4X	PROGRAMME ELECTIVE IV	2-1-0-2	3	3
D	B24XX4G2X	OPEN ELECTIVE II	2-1-0-2	3	3
E	B24HU4T04	DISASTER MANAGEMENT AND INDUSTRIAL SAFETY	2-1-0-2	3	3
G	B24XX4L11	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX4L12	PROJECT PHASE 1	0-0-6-6	6	3
J	B24XX4L13	SEMINAR	0-0-4-4	4	2
K	B24XX4T02	VIVA VOCE	0-0-0-0	-	1
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 8

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A,B,C		INTERNSHIP & MOOC COURSES (3 NUMBERS)			9
OR					
A	B24XX4P5X	PROGRAMME ELECTIVE V	2-1-0-2	3	3
B	B24XX4P6X	PROGRAMME ELECTIVE VI	2-1-0-2	3	3
C	B24XX4G3X	OPEN ELECTIVE III	2-1-0-2	3	3
AND					
H	B24XX4L14	PROJECT PHASE II	0-0-12-12	12	6
M		MINOR PROJECT*	0-0-3-3	3	6
N		HONORS PROJECT*	0-0-6-6	6	6

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BACHELOR OF TECHNOLOGY (B.Tech)

MECHANICAL ENGINEERING

CURRICULUM 2024

SEMESTER 1

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA1T01	MATHEMATICS -1	3-1-0-3	4	4
B	B24ES1T01B	PROBLEM SOLVING AND PROGRAMMING TECHNIQUES(B)	2-1-0-2	3	3
C	B24ES1T07	PROGRAMME SPECIFIC COURSE	2-1-0-2	3	3
D	B24ES1T05B	PROGRAMME SPECIFIC COURSE	2-2-0-2	4	4
E	B24XX1T01	PROGRAMME CORE	2-1-2-4	5	4
F	B24ES1L04B	PROGRAMME SPECIFIC COURSE WORKSHOP	0-0-2-2	2	1
G	B24ES1L01B	PROGRAMMING LAB(B)	0-0-3-3	3	2
I	B24MC1T01	LIFE SKILLS	1-0-1-2	2	P/F
J	B24MC1T02	DESIGN THINKING	1-1-0-1	2	P/F
K	B24MC1L01	YOGA AND SPORTS	0-1-1-1	2	P/F

SEMESTER 2

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA1T02	MATHEMATICS -2	3-1-0-3	4	4
B	B24PH1T01B	ENGINEERING PHYSICS	2-1-0-2	3	3
C	B24CY1T01A	ENGINEERING CHEMISTRY	2-1-0-2	3	3
D	B24ES1T08	PROGRAMME SPECIFIC COURSE	2-1-0-2	3	3
E	B24XX1T02	PROGRAMME CORE	3-1-0-3	4	4
F	B24ES1L05	PROGRAMME SPECIFIC COURSE WORKSHOP	0-0-2-2	2	1
G	B24XX1L01	PROGRAMME CORE LAB	0-0-3-3	3	3
H	B24PH1L01B B24CY1L01A	PHYSICS(B) AND CHEMISTRY(A) LAB	0-0-2-2	2	1
I	B24MC1T03	PROFESSIONAL COMMUNICATION AND ETHICS	2-0-1-3	3	P/F
J	B24MC1L02	IDEA LAB	0-0-3-3	3	P/F

SEMESTER 3

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA2T03A	MATHEMATICS -3	3-1-0-3	4	4
B	B24XX2T01	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX2T02	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX2T03	PROGRAMME CORE	2-1-0-2	3	3
E	B24HU2T02	ENTREPRENEURSHIP AND MANAGEMENT SKILLS FOR ENGINEERS	2-1-0-2	3	3
G	B24XX2L02	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX2L03	PROGRAMME CORE LAB	0-0-3-3	3	2
I	B24MC2T04	UNIVERSAL HUMAN VALUE AND CONSTITUTIONAL RIGHTS	2-0-0-2	2	P/F
J	B24MC2T05	ENERGY CONSERVATION AND ENVIRONMENTAL SUSTAINABILITY	2-0-0-2	2	P/F
M		MINOR	3-1-0-3	4	4

SEMESTER 4

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA2T04B	MATHEMATICS -4	3-1-0-3	4	4
B	B24XX2T04	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX2T05	PROGRAMME CORE	3-1-0-3	4	3
D	B24XX2T06	PROGRAMME CORE	3-1-0-3	4	4
E	B24HU2T01	BUSINESS ECONOMICS AND FINANCIAL MANAGEMENT	3-0-0-3	3	3
F	B24XX2T07	PROGRAMME CORE	2-1-0-2	3	3
G	B24XX2L04	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX2L05	PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 5

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX3T01	PROGRAMME CORE	3-1-0-3	4	4
B	B24XX3T02	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX3T03	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX3T04	PROGRAMME CORE	3-1-0-3	4	4
E	B24XX3T05	PROGRAMME CORE	2-1-0-2	3	3
F	B24XX3P1X	PROGRAMME ELECTIVE I	2-1-0-2	3	3
G	B24XX3L06	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX3L07	PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 6

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX3T06	PROGRAMME CORE	3-1-0-3	4	4
B	B24XX3T07	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX3T08	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX3T09	PROGRAMME CORE	3-1-0-3	4	4
E	B24XX3P2X	PROGRAMME ELECTIVE II	2-1-0-2	3	3
F	B24XX3G1X	OPEN ELECTIVE I	2-1-0-2	3	3
G	B24XX3L08	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX3L09	MINI PROJECT / PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 7

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX4T01	PROGRAMME CORE	2-1-0-2	3	3
B	B24XX4P3X	PROGRAMME ELECTIVE III	2-1-0-2	3	3
C	B24XX4P4X	PROGRAMME ELECTIVE IV	2-1-0-2	3	3
D	B24XX4G2X	OPEN ELECTIVE II	2-1-0-2	3	3
E	B24HU4T04	DISASTER MANAGEMENT AND INDUSTRIAL SAFETY	2-1-0-2	3	3
G	B24XX4L10	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX4L11	PROJECT PHASE 1	0-0-6-6	6	3
J	B24XX4L12	SEMINAR	0-0-4-4	4	2
K	B24XX4T02	VIVA VOCE	0-0-0-0	-	1
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 8

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A,B,C		INTERNSHIP & MOOC COURSES (3 NUMBERS)			9
OR					
A	B24XX4P5X	PROGRAMME ELECTIVE V	2-1-0-2	3	3
B	B24XX4P6X	PROGRAMME ELECTIVE VI	2-1-0-2	3	3
C	B24XX4G3X	OPEN ELECTIVE III	2-1-0-2	3	3
AND					
H	B24XX4L13	PROJECT PHASE II	0-0-12-12	12	6
M		MINOR PROJECT*	0-0-3-3	3	6
N		HONORS PROJECT*	0-0-6-6	6	6

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ELECTRICAL AND ELECTRONICS ENGINEERING

CURRICULUM 2024

SEMESTER 1

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA1T01	MATHEMATICS -1	3-1-0-3	4	4
B	B24ES1T01A	PROBLEM SOLVING AND PROGRAMMING TECHNIQUES(A)	2-1-0-2	3	3
C	B24XX1T01	PROGRAMME CORE	2-2-0-2	4	4
D	B24XX1T02	PROGRAMME CORE	2-1-0-2	3	3
E	B24ES1T03B	PROGRAMME SPECIFIC COURSE	2-1-1-3	4	4
G	B24ES1L01A	PROGRAMMING LAB(A)	0-0-3-3	3	2
H	B24XX1L01	PROGRAMME CORE LAB	0-0-3-3	3	2
I	B24MC1T01	LIFE SKILLS	1-0-1-2	2	P/F
J	B24MC1T02	DESIGN THINKING	1-1-0-1	2	P/F
K	B24MC1L01	YOGA AND SPORTS	0-1-1-1	2	P/F

SEMESTER 2

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA1T02	MATHEMATICS -2	3-1-0-3	4	4
B	B24PH1T01A	ENGINEERING PHYSICS(A)	2-1-0-2	3	3
C	B24CY1T01A	ENGINEERING CHEMISTRY(A)	2-1-0-2	3	3
D	B24ES1T05A	PROGRAMME SPECIFIC COURSE	2-2-0-2	4	4
E	B24XX1T03	PROGRAMME CORE	2-1-0-2	3	3
F	B24ES1L04A	PROGRAMME SPECIFIC COURSE WORKSHOP	0-0-2-2	2	1
G	B24XX1L02	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24PH1L01A B24CY1L01A	PHYSICS(A) AND CHEMISTRY(A) LAB	0-0-2-2	2	1
I	B24MC1T03	PROFESSIONAL COMMUNICATION AND ETHICS	2-0-1-3	3	P/F
J	B24MC1L02	IDEA LAB	0-0-3-3	3	P/F

SEMESTER 3

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA2T03A	MATHEMATICS -3	3-1-0-3	4	4
B	B24XX2T01	PROGRAMME CORE	2-2-0-2	4	4
C	B24XX2T02	PROGRAMME CORE	2-2-0-2	4	4
D	B24XX2T03	PROGRAMME CORE	2-1-0-2	3	3
E	B24XX2T04	PROGRAMME CORE	2-1-0-2	3	3
G	B24XX2L03	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX2L04	PROGRAMME CORE LAB	0-0-3-3	3	2
I	B24MC2T04	UNIVERSAL HUMAN VALUE AND CONSTITUTIONAL RIGHTS	2-0-0-2	2	P/F
J	B24MC2T05	ENERGY CONSERVATION AND ENVIRONMENTAL SUSTAINABILITY	2-0-0-2	2	P/F
M		MINOR	3-1-0-3	4	4

SEMESTER 4

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA2T04A	MATHEMATICS -4	3-1-0-3	4	4
B	B24XX2T05	PROGRAMME CORE	2-2-0-2	4	3
C	B24XX2T06	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX2T07	PROGRAMME CORE	2-1-0-2	3	3
E	B24HU2T01	BUSINESS ECONOMICS AND FINANCIAL MANAGEMENT	3-0-0-3	3	3
F	B24XX2T08	PROGRAMME CORE	2-2-0-2	4	4
G	B24XX2L05	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX2L06	PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	2-2-0-2	4	4

SEMESTER 5

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX3T01	PROGRAMME CORE	2-2-0-2	4	4
B	B24XX3T02	PROGRAMME CORE	2-2-0-2	4	4
C	B24XX3T03	PROGRAMME CORE	2-2-0-2	4	4
D	B24XX3T04	PROGRAMME CORE	3-1-0-3	4	4
E	B24HU3T05	ENTREPRENEURSHIP DEVELOPMENT AND MANAGEMENT STRATEGIES	2-1-0-2	3	3
F	B24XX3P1X	PROGRAMME ELECTIVE I	2-1-0-2	3	3
G	B24XX3L07	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX3L08	PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 6

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX3T05	PROGRAMME CORE	2-2-0-2	4	4
B	B24XX3T06	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX3T07	PROGRAMME CORE	2-2-0-2	4	4
D	B24XX3T08	PROGRAMME CORE	2-2-0-2	4	4
E	B24XX3P2X	PROGRAMME ELECTIVE II	2-1-0-2	3	3
F	B24XX3G1X	OPEN ELECTIVE I	2-1-0-2	3	3
G	B24XX3L09	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX3L10	MINI PROJECT / PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 7

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX4T01	PROGRAMME CORE	2-1-0-2	3	3
B	B24XX4P3X	PROGRAMME ELECTIVE III	2-1-0-2	3	3
C	B24XX4P4X	PROGRAMME ELECTIVE IV	2-1-0-2	3	3
D	B24XX4G2X	OPEN ELECTIVE II	2-1-0-2	3	3
E	B24HU4T04	DISASTER MANAGEMENT AND INDUSTRIAL SAFETY	2-1-0-2	3	3
G	B24XX4L11	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX4L12	PROJECT PHASE 1	0-0-6-6	6	3
J	B24XX4L13	SEMINAR	0-0-4-4	4	2
K	B24XX4T02	VIVA VOCE	0-0-0-0	-	1
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 8

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A,B,C		INTERNSHIP & MOOC COURSES (3 NUMBERS)			9
OR					
A	B24XX4P5X	PROGRAMME ELECTIVE V	2-1-0-2	3	3
B	B24XX4P6X	PROGRAMME ELECTIVE VI	2-1-0-2	3	3
C	B24XX4G3X	OPEN ELECTIVE III	2-1-0-2	3	3
AND					
H	B24XX4L14	PROJECT PHASE II	0-0-12-12	12	6
M		MINOR PROJECT*	0-0-3-3	3	6
N		HONORS PROJECT*	0-0-6-6	6	6

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BACHELOR OF TECHNOLOGY (B.Tech)
ELECTRONICS AND COMMUNICATION ENGINEERING
CURRICULUM 2024

SEMESTER 1

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA1T01	MATHEMATICS -1	3-1-0-3	4	4
B	B24ES1T01A	PROBLEM SOLVING AND PROGRAMMING TECHNIQUES(A)	2-1-0-2	3	3
C	B24PH1T01A	ENGINEERING PHYSICS(A)	2-1-0-2	3	3
D	B24CY1T01A	ENGINEERING CHEMISTRY(A)	2-1-0-2	3	3
E	B24ES1T02	PROGRAMME SPECIFIC COURSE	2-2-0-2	4	4
F	B24ES1L02	PROGRAMME SPECIFIC COURSE WORKSHOP	0-0-2-2	2	1
G	B24ES1L01A	PROGRAMMING LAB(A)	0-0-3-3	3	2
H	B24PH1L01A B24CY1L01A	PHYSICS(A) AND CHEMISTRY(A) LAB	0-0-2-2	2	1
I	B24MC1T01	LIFE SKILLS	1-0-1-2	2	P/F
J	B24MC1T02	DESIGN THINKING	1-1-0-1	2	P/F
K	B24MC1L01	YOGA AND SPORTS	0-1-1-1	2	P/F

SEMESTER 2

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA1T02	MATHEMATICS -2	3-1-0-3	4	4
B	B24ES1T01	PROGRAMME SPECIFIC COURSE	2-0-2-2	4	3
C	B24XX1T01	PROGRAMME SPECIFIC COURSE	3-1-0-3	4	4
D	B24XX1T02	PROGRAMME CORE	2-1-0-2	3	3
E	B24XX1T03	PROGRAMME CORE	3-1-0-3	4	4
G	B24XX1L01	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX1L02	PROGRAMME CORE LAB	0-0-3-3	3	2
I	B24MC1T03	PROFESSIONAL COMMUNICATION AND ETHICS	2-0-1-3	3	P/F
J	B24MC1L02	IDEA LAB	0-0-2-2	2	P/F

SEMESTER 3

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA2T03A	MATHEMATICS -3	3-1-0-3	4	4
B	B24XX2T01	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX2T02	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX2T03	PROGRAMME CORE	2-1-0-2	3	3
E	B24HU2T01	BUSINESS ECONOMICS AND FINANCIAL MANAGEMENT	3-0-0-3	3	3
G	B24XX2L03	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX2L04	PROGRAMME CORE LAB	0-0-3-3	3	2
I	B24MC2T04	UNIVERSAL HUMAN VALUE AND CONSTITUTIONAL RIGHTS	2-0-0-2	2	P/F
J	B24MC2T05	ENERGY CONSERVATION AND ENVIRONMENTAL SUSTAINABILITY	2-0-0-2	2	P/F
M		MINOR	3-1-0-3	4	4

SEMESTER 4

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA2T04A	MATHEMATICS -4	3-1-0-3	4	4
B	B24XX2T04	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX2T05	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX2T06	PROGRAMME CORE	3-1-0-3	4	3
E	B24HU2T03	ENTREPRENEURSHIP AND MANAGEMENT SKILLS FOR ENGINEERS	2-1-0-2	3	3
F	B24XX2T07	PROGRAMME CORE	2-1-0-2	3	3
G	B24XX2L05	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX2L06	PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 5

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX3T01	PROGRAMME CORE	3-1-0-3	4	4
B	B24XX3T02	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX3T03	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX3T04	PROGRAMME CORE	3-1-0-3	4	4
E	B24XX3T05	PROGRAMME CORE	2-1-0-2	3	3
F	B24XX3P1X	PROGRAMME ELECTIVE I	2-1-0-2	3	3
G	B24XX3L07	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX3L08	PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 6

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX3T06	PROGRAMME CORE	3-1-0-3	4	4
B	B24XX3T07	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX3T08	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX3T09	PROGRAMME CORE	3-1-0-3	4	4
E	B24XX3P2X	PROGRAMME ELECTIVE II	2-1-0-2	3	3
F	B24XX3G1X	OPEN ELECTIVE I	2-1-0-2	3	3
G	B24XX3L09	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX3L10	MINI PROJECT / PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 7

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX4T01	PROGRAMME CORE	2-1-0-2	3	3
B	B24XX4P3X	PROGRAMME ELECTIVE III	2-1-0-2	3	3
C	B24XX4P4X	PROGRAMME ELECTIVE IV	2-1-0-2	3	3
D	B24XX4G2X	OPEN ELECTIVE II	2-1-0-2	3	3
E	B24HU4T04	DISASTER MANAGEMENT AND INDUSTRIAL SAFETY	2-1-0-2	3	3
G	B24XX4L11	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX4L12	PROJECT PHASE 1	0-0-6-6	6	3
J	B24XX4L13	SEMINAR	0-0-4-4	4	2
K	B24XX4T02	VIVA VOCE	0-0-0-0	-	1
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 8

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A,B,C		INTERNSHIP & MOOC COURSES (3 NUMBERS)			9
OR					
A	B24XX4P5X	PROGRAMME ELECTIVE V	2-1-0-2	3	3
B	B24XX4P6X	PROGRAMME ELECTIVE VI	2-1-0-2	3	3
C	B24XX4G3X	OPEN ELECTIVE III	2-1-0-2	3	3
AND					
H	B24XX4L14	PROJECT PHASE II	0-0-12-12	12	6
M		MINOR PROJECT*	0-0-3-3	3	6
N		HONORS PROJECT*	0-0-6-6	6	6

**MAR ATHANASIUS COLLEGE OF ENGINEERING
KOTHAMANGALAM, KERALA, 686 666**

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COMPUTER SCIENCE AND ENGINEERING
CURRICULUM 2024**

SEMESTER 1

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA1T01	MATHEMATICS -1	3-1-0-3	4	4
B	B24ES1T01A	PROBLEM SOLVING AND PROGRAMMING TECHNIQUES(A)	2-1-0-2	3	3
C	B24PH1T01A	ENGINEERING PHYSICS(A)	2-1-0-2	3	3
D	B24CY1T01A	ENGINEERING CHEMISTRY(A)	2-1-0-2	3	3
E	B24ES1T02	PROGRAMME SPECIFIC COURSE	2-2-0-2	4	4
F	B24ES1L02	PROGRAMME SPECIFIC COURSE WORKSHOP	0-0-2-2	2	1
G	B24ES1L01(A)	PROGRAMMING LAB(A)	0-0-3-3	3	2
H	B24PH1L01(A) B24CY1L01(A)	PHYSICS(A) AND CHEMISTRY LAB(A)	0-0-2-2	2	1
I	B24MC1T01	LIFE SKILLS	1-0-1-2	2	P/F
J	B24MC1T02	DESIGN THINKING	1-1-0-1	2	P/F
K	B24MC1L01	YOGA AND SPORTS	0-1-1-1	2	P/F

SEMESTER 2

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA1T02	MATHEMATICS -2	3-1-0-3	4	4
B	B24ES1T01	PROGRAMME SPECIFIC COURSE	2-0-2-2	4	3
C	B24XX1T01	PROGRAMME SPECIFIC COURSE	3-1-0-3	4	4
D	B24XX1T02	PROGRAMME CORE	2-1-0-2	3	3
E	B24XX1T03	PROGRAMME CORE	3-1-0-3	4	4
G	B24XX1L01	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX1L02	PROGRAMME CORE LAB	0-0-3-3	3	2
I	B24MC1T03	PROFESSIONAL COMMUNICATION AND ETHICS	2-0-1-3	3	P/F
J	B24MC1L02	IDEA LAB	0-0-2-2	2	P/F

SEMESTER 3

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA2T03B	MATHEMATICS -3	3-1-0-3	4	4
B	B24XX2T01	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX2T02	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX2T03	PROGRAMME CORE	2-1-0-2	3	3
E	B24HU2T01	BUSINESS ECONOMICS AND FINANCIAL MANAGEMENT	3-0-0-3	3	3
G	B24XX2L03	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX2L04	PROGRAMME CORE LAB	0-0-3-3	3	2
I	B24MC2T04	UNIVERSAL HUMAN VALUE AND CONSTITUTIONAL RIGHTS	2-0-0-2	2	P/F
J	B24MC2T05	ENERGY CONSERVATION AND ENVIRONMENTAL SUSTAINABILITY	2-0-0-2	2	P/F
M		MINOR	3-1-0-3	4	4

SEMESTER 4

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA2T04C	MATHEMATICS -4	3-1-0-3	4	4
B	B24XX2T04	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX2T05	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX2T06	PROGRAMME CORE	3-1-0-3	4	3
E	B24HU2T03	ENTREPRENEURSHIP AND SOFTWARE MANAGEMENT SYSTEMS	2-1-0-2	3	3
F	B24XX2T07	PROGRAMME CORE	2-1-0-2	3	3
G	B24XX2L05	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX2L06	PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 5

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX3T01	PROGRAMME CORE	3-1-0-3	4	4
B	B24XX3T02	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX3T03	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX3T04	PROGRAMME CORE	3-1-0-3	4	4
E	B24XX3T05	PROGRAMME CORE	2-1-0-2	3	3
F	B24XX3P1X	PROGRAMME ELECTIVE I	2-1-0-2	3	3
G	B24XX3L07	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX3L08	PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 6

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX3T06	PROGRAMME CORE	3-1-0-3	4	4
B	B24XX3T07	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX3T08	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX3T09	PROGRAMME CORE	3-1-0-3	4	4
E	B24XX3P2X	PROGRAMME ELECTIVE II	2-1-0-2	3	3
F	B24XX3G1X	OPEN ELECTIVE I	2-1-0-2	3	3
G	B24XX3L09	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX3L10	MINI PROJECT / PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 7

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX4T01	PROGRAMME CORE	2-1-0-2	3	3
B	B24XX4P3X	PROGRAMME ELECTIVE III	2-1-0-2	3	3
C	B24XX4P4X	PROGRAMME ELECTIVE IV	2-1-0-2	3	3
D	B24XX4G2X	OPEN ELECTIVE II	2-1-0-2	3	3
E	B24HU4T04	DISASTER MANAGEMENT AND INDUSTRIAL SAFETY	2-1-0-2	3	3
G	B24XX4L11	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX4L12	PROJECT PHASE 1	0-0-6-6	6	3
J	B24XX4L13	SEMINAR	0-0-4-4	4	2
K	B24XX4T02	VIVA VOCE	0-0-0-0	-	1
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 8

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A,B,C		INTERNSHIP & MOOC COURSES (3 NUMBERS)			9
OR					
A	B24XX4P5X	PROGRAMME ELECTIVE V	2-1-0-2	3	3
B	B24XX4P6X	PROGRAMME ELECTIVE VI	2-1-0-2	3	3
C	B24XX4G3X	OPEN ELECTIVE III	2-1-0-2	3	3
AND					
H	B24XX4L14	PROJECT PHASE II	0-0-12-12	12	6
M		MINOR PROJECT*	0-0-3-3	3	6
N		HONORS PROJECT*	0-0-6-6	6	6

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SEMESTER 1

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA1T01	MATHEMATICS -1	3-1-0-3	4	4
B	B24ES1T01A	PROBLEM SOLVING AND PROGRAMMING TECHNIQUES(A)	2-1-0-2	3	3
C	B24PH1T01A	ENGINEERING PHYSICS(A)	2-1-0-2	3	3
D	B24CY1T01A	ENGINEERING CHEMISTRY(A)	2-1-0-2	3	3
E	B24ES1T02	PROGRAMME SPECIFIC COURSE	2-2-0-2	4	4
F	B24ES1L02	PROGRAMME SPECIFIC COURSE WORKSHOP	0-0-2-2	2	1
G	B24ES1L01(A)	PROGRAMMING LAB(A)	0-0-3-3	3	2
H	B24PH1L01(A) B24CY1L01(A)	PHYSICS(A) AND CHEMISTRY LAB(A)	0-0-2-2	2	1
I	B24MC1T01	LIFE SKILLS	1-0-1-2	2	P/F
J	B24MC1T02	DESIGN THINKING	1-1-0-1	2	P/F
K	B24MC1L01	YOGA AND SPORTS	0-1-1-1	2	P/F

SEMESTER 2

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA1T02	MATHEMATICS -2	3-1-0-3	4	4
B	B24ES1T01	PROGRAMME SPECIFIC COURSE	2-0-2-2	4	3
C	B24XX1T01	PROGRAMME SPECIFIC COURSE	3-1-0-3	4	4
D	B24XX1T02	PROGRAMME CORE	2-1-0-2	3	3
E	B24XX1T03	PROGRAMME CORE	3-1-0-3	4	4
G	B24XX1L01	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX1L02	PROGRAMME CORE LAB	0-0-3-3	3	2
I	B24MC1T03	PROFESSIONAL COMMUNICATION AND ETHICS	2-0-1-3	3	P/F
J	B24MC1L02	IDEA LAB	0-0-2-2	2	P/F

SEMESTER 3

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA2T03B	MATHEMATICS -3	3-1-0-3	4	4
B	B24XX2T01	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX2T02	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX2T03	PROGRAMME CORE	2-1-0-2	3	3
E	B24HU2T01	BUSINESS ECONOMICS AND FINANCIAL MANAGEMENT	3-0-0-3	3	3
G	B24XX2L03	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX2L04	PROGRAMME CORE LAB	0-0-3-3	3	2
I	B24MC2T04	UNIVERSAL HUMAN VALUE AND CONSTITUTIONAL RIGHTS	2-0-0-2	2	P/F
J	B24MC2T05	ENERGY CONSERVATION AND ENVIRONMENTAL SUSTAINABILITY	2-0-0-2	2	P/F
M		MINOR	3-1-0-3	4	4

SEMESTER 4

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA2T04C	MATHEMATICS -4	3-1-0-3	4	4
B	B24XX2T04	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX2T05	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX2T06	PROGRAMME CORE	3-1-0-3	4	3
E	B24HU2T03	ENTREPRENEURSHIP AND SOFTWARE MANAGEMENT SYSTEMS	2-1-0-2	3	3
F	B24XX2T07	PROGRAMME CORE	2-1-0-2	3	3
G	B24XX2L05	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX2L06	PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 5

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX3T01	PROGRAMME CORE	3-1-0-3	4	4
B	B24XX3T02	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX3T03	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX3T04	PROGRAMME CORE	3-1-0-3	4	4
E	B24XX3T05	PROGRAMME CORE	2-1-0-2	3	3
F	B24XX3P1X	PROGRAMME ELECTIVE I	2-1-0-2	3	3
G	B24XX3L07	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX3L08	PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 6

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX3T06	PROGRAMME CORE	3-1-0-3	4	4
B	B24XX3T07	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX3T08	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX3T09	PROGRAMME CORE	3-1-0-3	4	4
E	B24XX3P2X	PROGRAMME ELECTIVE II	2-1-0-2	3	3
F	B24XX3G1X	OPEN ELECTIVE I	2-1-0-2	3	3
G	B24XX3L09	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX3L10	MINI PROJECT / PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 7

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX4T01	PROGRAMME CORE	2-1-0-2	3	3
B	B24XX4P3X	PROGRAMME ELECTIVE III	2-1-0-2	3	3
C	B24XX4P4X	PROGRAMME ELECTIVE IV	2-1-0-2	3	3
D	B24XX4G2X	OPEN ELECTIVE II	2-1-0-2	3	3
E	B24HU4T04	DISASTER MANAGEMENT AND INDUSTRIAL SAFETY	2-1-0-2	3	3
G	B24XX4L11	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX4L12	PROJECT PHASE 1	0-0-6-6	6	3
J	B24XX4L13	SEMINAR	0-0-4-4	4	2
K	B24XX4T02	VIVA VOCE	0-0-0-0	-	1
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 8

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A,B,C		INTERNSHIP & MOOC COURSES (3 NUMBERS)			9
OR					
A	B24XX4P5X	PROGRAMME ELECTIVE V	2-1-0-2	3	3
B	B24XX4P6X	PROGRAMME ELECTIVE VI	2-1-0-2	3	3
C	B24XX4G3X	OPEN ELECTIVE III	2-1-0-2	3	3
AND					
H	B24XX4L14	PROJECT PHASE II	0-0-12-12	12	6
M		MINOR PROJECT*	0-0-3-3	3	6
N		HONORS PROJECT*	0-0-6-6	6	6

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SEMESTER 1

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA1T01	MATHEMATICS -1	3-1-0-3	4	4
B	B24ES1T01A	PROBLEM SOLVING AND PROGRAMMING TECHNIQUES(A)	2-1-0-2	3	3
C	B24PH1T01A	ENGINEERING PHYSICS(A)	2-1-0-2	3	3
D	B24CY1T01A	ENGINEERING CHEMISTRY(A)	2-1-0-2	3	3
E	B24ES1T02	PROGRAMME SPECIFIC COURSE	2-2-0-2	4	4
F	B24ES1L02	PROGRAMME SPECIFIC COURSE WORKSHOP	0-0-2-2	2	1
G	B24ES1L01(A)	PROGRAMMING LAB(A)	0-0-3-3	3	2
H	B24PH1L01(A) B24CY1L01(A)	PHYSICS(A) AND CHEMISTRY LAB(A)	0-0-2-2	2	1
I	B24MC1T01	LIFE SKILLS	1-0-1-2	2	P/F
J	B24MC1T02	DESIGN THINKING	1-1-0-1	2	P/F
K	B24MC1L01	YOGA AND SPORTS	0-1-1-1	2	P/F

SEMESTER 2

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA1T02	MATHEMATICS -2	3-1-0-3	4	4
B	B24ES1T01	PROGRAMME SPECIFIC COURSE	2-0-2-2	4	3
C	B24XX1T01	PROGRAMME SPECIFIC COURSE	3-1-0-3	4	4
D	B24XX1T02	PROGRAMME CORE	2-1-0-2	3	3
E	B24XX1T03	PROGRAMME CORE	3-1-0-3	4	4
G	B24XX1L01	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX1L02	PROGRAMME CORE LAB	0-0-3-3	3	2
I	B24MC1T03	PROFESSIONAL COMMUNICATION AND ETHICS	2-0-1-3	3	P/F
J	B24MC1L02	IDEA LAB	0-0-2-2	2	P/F

SEMESTER 3

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA2T03B	MATHEMATICS -3	3-1-0-3	4	4
B	B24XX2T01	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX2T02	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX2T03	PROGRAMME CORE	2-1-0-2	3	3
E	B24HU2T01	BUSINESS ECONOMICS AND FINANCIAL MANAGEMENT	3-0-0-3	3	3
G	B24XX2L03	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX2L04	PROGRAMME CORE LAB	0-0-3-3	3	2
I	B24MC2T04	UNIVERSAL HUMAN VALUE AND CONSTITUTIONAL RIGHTS	2-0-0-2	2	P/F
J	B24MC2T05	ENERGY CONSERVATION AND ENVIRONMENTAL SUSTAINABILITY	2-0-0-2	2	P/F
M		MINOR	3-1-0-3	4	4

SEMESTER 4

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24MA2T04C	MATHEMATICS -4	3-1-0-3	4	4
B	B24XX2T04	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX2T05	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX2T06	PROGRAMME CORE	3-1-0-3	4	3
E	B24HU2T03	ENTREPRENEURSHIP AND SOFTWARE MANAGEMENT SYSTEMS	2-1-0-2	3	3
F	B24XX2T07	PROGRAMME CORE	2-1-0-2	3	3
G	B24XX2L05	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX2L06	PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 5

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX3T01	PROGRAMME CORE	3-1-0-3	4	4
B	B24XX3T02	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX3T03	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX3T04	PROGRAMME CORE	3-1-0-3	4	4
E	B24XX3T05	PROGRAMME CORE	2-1-0-2	3	3
F	B24XX3P1X	PROGRAMME ELECTIVE I	2-1-0-2	3	3
G	B24XX3L07	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX3L08	PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 6

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX3T06	PROGRAMME CORE	3-1-0-3	4	4
B	B24XX3T07	PROGRAMME CORE	3-1-0-3	4	4
C	B24XX3T08	PROGRAMME CORE	3-1-0-3	4	4
D	B24XX3T09	PROGRAMME CORE	3-1-0-3	4	4
E	B24XX3P2X	PROGRAMME ELECTIVE II	2-1-0-2	3	3
F	B24XX3G1X	OPEN ELECTIVE I	2-1-0-2	3	3
G	B24XX3L09	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX3L10	MINI PROJECT / PROGRAMME CORE LAB	0-0-3-3	3	2
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 7

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A	B24XX4T01	PROGRAMME CORE	2-1-0-2	3	3
B	B24XX4P3X	PROGRAMME ELECTIVE III	2-1-0-2	3	3
C	B24XX4P4X	PROGRAMME ELECTIVE IV	2-1-0-2	3	3
D	B24XX4G2X	OPEN ELECTIVE II	2-1-0-2	3	3
E	B24HU4T04	DISASTER MANAGEMENT AND INDUSTRIAL SAFETY	2-1-0-2	3	3
G	B24XX4L11	PROGRAMME CORE LAB	0-0-3-3	3	2
H	B24XX4L12	PROJECT PHASE 1	0-0-6-6	6	3
J	B24XX4L13	SEMINAR	0-0-4-4	4	2
K	B24XX4T02	VIVA VOCE	0-0-0-0	-	1
M		MINOR	3-1-0-3	4	4
N		HONORS	3-1-0-3	4	4

SEMESTER 8

SLOT	COURSE NO.	COURSES	L-T-P-S	HOURS	CREDIT
A,B,C		INTERNSHIP & MOOC COURSES (3 NUMBERS)			9
OR					
A	B24XX4P5X	PROGRAMME ELECTIVE V	2-1-0-2	3	3
B	B24XX4P6X	PROGRAMME ELECTIVE VI	2-1-0-2	3	3
C	B24XX4G3X	OPEN ELECTIVE III	2-1-0-2	3	3
AND					
H	B24XX4L14	PROJECT PHASE II	0-0-12-12	12	6
M		MINOR PROJECT*	0-0-3-3	3	6
N		HONORS PROJECT*	0-0-6-6	6	6