

1.1.2

The Programmes offered by the institution focus on employability/entrepreneurship/skill development and their courses syllabi are adequately revised to incorporate contemporary requirements

Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Link to the relevant document
B.Tech	Communicative English	HSMC-101	2018	BOS Scheme attached
	Workshop Practice Lab	ESC-103		
	Programming with C	ESC-105		
	Engineering Drawing Lab	ESC-109		
B.Tech Mechanical	Strength of Materials Lab	PCC-ME 208		
	Manufacturing Process I Lab	PCC-ME 207		
	Machine Drawing & Auto CAD Lab	PCC-ME 205		
	Material Science & Engineering Lab	PCC-ME 209		
	Fluid Mechanics Lab	PCC-ME 217		
	I. C. Engines Lab	PCC-ME 219		BOS Scheme attached
	Dynamics of Machines Lab	PCC-ME 307		
	Heat Transfer Lab	PCC-ME 308		
	Measurement & Metrology Lab	PCC-ME 309		
	Industrial Training-I Seminar	PCC-ME 309		
	Automobile Engineering Lab	PCC-ME 313		
	Mechanical Vibration Lab	PCC-ME 314		
	Refrigeration & Air Conditioning Lab	PCC-ME 403		
	CNC Machines & Automation Lab	PCC-ME 407		
B.Tech Computer Science	"Major Pro-ject"	PROJ- ME 403	2018	BOS Scheme attached
	Data structure& algorithmUsing C Lab	PCC-CSE 205		
	bject ori-ented pro-grammingthrough C++Lab	PCC-CSE 206		
	DatabaseManagementSystem Lab	PCC-CSE 207		
	Unix & ShellProgrammingLab	PCC-CSE 208		
	OperatingSystems Lab	PCC-CSE215		
	Software Engi-neering Lab	PCC-CSE 305		
	Java Pro-gramming Lab	PCC-CSE 306		
	Industrial Train-ing/ ProjectSeminar	PROJ-CSE301		
	ComputerNetwork Lab	PCC-CSE312		
	Network Se-curity & CryptographyLab	PCC-CSE401		
	ArtificialIntelligence& ExpertSystemsLab	PCC-CSE405		
	Major Pro-ject	PROJ-CSE-402		
	B.Tech Electrical	Electrical Machines Laboratory – I		
Analog Electronics Laboratory		alog Electronics Laboratory		
Electrical Circuit Analysis Lab		PCC-EE-213		
Digital Electronics Laboratory		PCC-EE-210		
Power Electronics Laboratory		PCC-EE-214		
Power Systems Laboratory - I		PCC-EE-307		
Control Systems Laboratory		PCC-EE-309		
Microprocessors Laboratory		PCC-EE-311		
Personality Development Programme		HSMC-302		
Measurements and Instrumentation Laboratory		PCC-EE-308		
Electronics Design Laboratory		PCC-EE-310		
Summer Internship/Training		EE-SI		
Project Stage-I		PROJ-EE-01		
Major Project		PROJ-EE-02		
B.A. (General)	General English-1	AE101		
	Art of Communication	AE-301		
	Fundamentals of Computers	AE-302		
	Art of Communication-1	AE-401		
	Fundamental of Computers-1	AE-402		
	Fundamental of Information Technology	SEC401B		
B.Sc.	Fundamental of Computers	COM-401	2022	
	English communication techniques	ECT101	2022	BOS and Course Structure of Nov.2022
MBA	Essentials of Supply Chain Management	MGTM-301S	2022	
MBA	Procurement Management	MGTM-302S	2022	
MBA	Service Operations Management	MGTM-303S	2022	
MBA	Application of Quality Management	MGTM-404S	2022	
MBA	Process Management & Consultancy	MGTM-405S	2022	
MBA	Big Data Analytics	MGTM-406S	2022	
BBA	Constitution of India and Human Rights	MGTB-102	2018	
BBA	Cyber Phenomenon & Law	MGTB-302	2018	BOS and Course Structure of 2018
B. Com. (H)	Constitution of India and Human Rights	COM-102	2018	

B. Com. (H)	Cyber Phenomenon & Law	COM-302	2018	

Annexure A1

SCHEME

(Choice Based Credit System)

For

1st Year

(1st and 2nd Semester)

Common to All Engineering Branches

BACHELOR OF TECHNOLOGY PROGRAM

(w.e.f. session 2022-26)



RAFFLES
UNIVERSITY

SCHOOL OF ENGINEERING & TECHNOLOGY

RAFFLES UNIVERSITY, NEEMRANA - 301705

1st Semester

S.No	Category	Code	Course Title	Hours Per Week			IA	ETE	Total	Credits
				L	T	P				
1	BSC	BSC-101	Engineering Physics-I	3	1	T H E O R E T I C A L	40	60	100	4
2	BSC	BSC-102	Engineering Mathematics-I	3	1		40	60	100	4
3	ESC	ESC-101	Computer Fundamentals	3	1		40	60	100	4
4	ESC	ESC-102	Basics of Mechanical Engineering	3	1		40	60	100	4
5	MC	MC-I	Environmental Studies	2	0		40	60	100	0
6	HSMC	HSMC-101	Communicative English	3	0		40	60	100	3
7	ESC	ESC-103	Workshop Practice Lab	P R A C T I C A L	0	3	60	40	100	2
8	BSC	BSC-103	Engineering Physics-I Lab		0	2	60	40	100	1
9	ESC	ESC-104	Computer Fundamentals Lab		0	2	60	40	100	1
10	HSMC	HSMC-102	Language Lab		0	2	60	40	100	1
Total				17	4	9	480	520	1000	24

2nd Semester

S.No	Category	Code	Course Title	Hours Per Week			IA	ETE	Total	Credits
				L	T	P				
1	BSC	BSC-104	Engineering Physics-II	3	1	T H E O R E T I C A L	40	60	100	4
2	BSC	BSC-105	Engineering Mathematics-II	3	1		40	60	100	4
3	ESC	ESC-105	Programming with 'C'	3	0		40	60	100	3
4	ESC	ESC-106	Basics of Electrical & Electronics Engineering	3	1		40	60	100	4
5	ESC	ESC-107	Engineering Mechanics	3	1		40	60	100	4
6	BSC	BSC-106	Engineering Chemistry	3	0		40	60	100	4
7	ESC	ESC-108	Basics of Electrical & Electronics Engineering Lab	P R A C T I C A L	0	2	60	40	100	1
8	BSC	BSC-107	Engineering Physics-II Lab		0	2	60	40	100	1
9	ESC	ESC-109	Engineering Drawing Lab		0	3	60	40	100	1
10	ESC	ESC-110	Programming with 'C' Lab		0	2	60	40	100	1
11	BSC	BSC-108	Engineering Chemistry Lab		0	2	60	40	100	1
Total				18	4	11	540	560	1100	28

SCHEME and SYLLABUS

(Choice Based Credit Scheme)

For

BACHELOR OF TECHNOLOGY PROGRAM

In

COMPUTER SCIENCE & ENGINEERING (w.e.f. session 2022-2026)



RAFFLES
UNIVERSITY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SCHOOL OF ENGINEERING & TECHNOLOGY

RAFFLES UNIVERSITY

NEEMRANA



RAFFLES

UNIVERSITY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

VISION

To be a centre of excellence by producing high calibre, competent and self-reliant computer Science engineers, who possess scientific temperament and would engage in activities relevant to industries with ethical values and flair to research.

MISSION

- To provide efficient engineers for global requirements by imparting quality education.
- To explore, create and develop innovations in various aspects of engineering through industries and institutions.
- To emphasize on practical skills and socially relevant technology

ABOUT THE PROGRAM

Raffles University, Neemrana established in 2011, to produce highly practical oriented personnel in fields of engineering, management and law to meet specific manpower requirements of industries. Computer Science & Engineering Department was started in 2014 and has been conducting B.Tech Course in Computer Science & Engineering of 4-Years duration since 2014. Students are admitted through university entrance and direct counselling nominated by university management in 1st Year and 2nd year through lateral entry entrance test. The total intake for the B.Tech programme is 60. Besides under graduate degree courses, it is also running M.Tech Computer Science & Engineering Course (with specialization in Software Engineering and Artificial Intelligence) and Ph.D. The Department has three storey building and two instructional computer labs, Class rooms equipped with projectors, all faculty research labs have latest state of art computers, Auditorium and Conference Room. It has excellent and distinguished faculty. The various syllabi of UG/PG courses in Computer Science & Engineering Department, has been prepared with active participation from Industry. The Department is organizing number of expert lectures from industry experts for students in every semester. Summer training/ Industry Internship is mandatory for every B.Tech student after completion of second year and third year (Two times in 4 years). Emphasis has been given on project work and Lab Course for skill enhancement of students. Choice based credit system allows students to study the subjects of his/her choice from a number of elective courses /audit courses.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO-1: To train students with practical skills and experimental practices related to core and applied areas of Computer Science & Engineering to expand their knowledge horizon beyond books.

PEO-2: Graduate will establish himself/herself as effective professionals by solving real world problems using investigative and analytical skills along with the knowledge acquired in the field of Computer Science and Engineering.

PEO-3: To improve team building, team working and leadership skills of the students with high regard for ethical values and social responsibilities.

PEO- 4: Graduate will embrace professional code of ethics in the profession while deliberately being part of projects which contributes to the society at large without disturbing the ecological balance.

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

- 1) **Engineering Knowledge:** Apply knowledge of mathematics, science, engineering fundamentals, and computer science & engineering to the solution of engineering problems.
- 2) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
- 3) **Design /Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
- 4) **Conduct Investigations of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
- 5) **Modern Tool Usage:** Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- 6) **The Engineer and Society:** Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
- 7) **Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development.
- 8) **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9) **Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings.
- 10) **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
- 11) **Project Management and Finance:** Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12) Life - Long Learning: Recognize the need for and have the preparation and ability to Engage in independent and life- long learning in the broadest context of technological Change.

PROGRAM SPECIFIC OUTCOMES (PSOs):

1) To collect requirements, analyze, design, implement and test software Systems.

2) To analyze the errors and debug them within minimal time.

SYNOPSIS OF SCHEME OF STUDIES & EXAMINATIONS

B.TECH SCHEME CREDITS CALCULATION

S.No.	Category of Course	Abbreviation Used	Credits
1.	Humanities and Social Sciences including Management Courses	HSMC	15
2.	Basic Sciences Courses	BSC	26
3.	Engineering Sciences Courses including workshop, Drawing, Basics of Electrical/ Mechanical/ Computer etc.	ESC	26
4.	Professional Core Courses	PCC	91
5.	Professional Elective Courses relevant to chosen specialization/ branch	PEC	24
6.	Open Subjects- Electives from other technical and /or emerging subjects	OEC	9
7.	Project Work, Seminar and internship in industry or elsewhere	PROJ	20
8.	Mandatory Courses (Environmental Sciences, Induction Program, Indian Constitution, Essence of Indian Traditional Knowledge)	MC	Non Credit
Total			211

Abbreviations Used:

L - Lecture
T - Tutorial
P - Practical

IA - Internal Assessment
EA - External Assessment

TA - Teacher's Assessment
MTA - Mid Tern Assessment
ETA - End Term Assessment

PROFESSIONAL CORE COURSE (PCC)

S.No	Subject Code No.	Subject	Preferred Semester	Credit
1	PCC-CSE 201	Data structure & algorithm using C	III	4
2	PCC-CSE 202	Object oriented programming through C++	III	4
3	PCC-CSE 203	Database Management System	III	4
4	PCC-CSE 204	Unix & Shell Programming	III	4
5	PCC-CSE 205	Data structure & algorithm Using C Lab	III	1
6	PCC-CSE 206	Object oriented programming through C++ Lab	III	1
7	PCC-CSE 207	Database Management System Lab	III	1
8	PCC-CSE 208	Unix & Shell Programming Lab	III	1
9	PCC-CSE 209	Digital Electronics	IV	4
10	PCC-CSE 210	Discrete Mathematics	IV	4
11	PCC-CSE 211	Computer Organization & Architecture	IV	4
12	PCC-CSE 212	Design & Analysis of the Algorithm	IV	4
13	PCC-CSE 213	Operating Systems	IV	4
14	PCC-CSE 214	Computer Organization & Architecture Lab	IV	1
15	PCC-CSE 215	Operating Systems Lab	IV	1
16	PCC-CSE 216	Design & Analysis of Algorithm Lab	IV	1
17	PCC-CSE 301	Data Communication	V	4
18	PCC-CSE 302	Software Engineering	V	4
19	PCC-CSE 303	Formal Language & Automata Theory	V	4
20	PCC-CSE 304	Java Programming	V	4
21	PCC-CSE 305	Software Engineering Lab	V	1
22	PCC-CSE 306	Java Programming Lab	V	1
23	PCC-CSE 307	Data Communication Lab	V	1
24	PCC-CSE 308	Compiler Design	VI	4
25	PCC-CSE 309	Data Mining & Warehousing	VI	4
26	PCC-CSE 310	Computer Network	VI	4
27	PCC-CSE 311	Compiler Design Lab	VI	1
28	PCC-CSE 312	Computer Network Lab	VI	1
29	PCC-CSE 401	Network Security & Cryptography	VII	4
30	PCC-CSE 402	Network Security & Cryptography Lab	VII	1
31	PCC-CSE 403	Advanced Computer Architecture	VIII	4
32	PCC-CSE 404	Artificial Intelligence & Expert Systems	VIII	4
33	PCC-CSE 405	Artificial Intelligence & Expert Systems Lab	VIII	2

PROFESSIONAL ELECTIVE COURSE (PEC)

S.No	Subject Code No.	Subject	Preferred Semester	Credit
1	PEC-CSE 301	Soft Computing	V	4
2	PEC-CSE 302	Image Processing	V	4
3	PEC-CSE 303	Embedded System	V	4
4	PEC-CSE 304	Distributed Systems	VI	4
5	PEC-CSE 305	Theory of Computation	VI	4
6	PEC-CSE 306	Speech and Natural Language Processing	VI	4
7	PEC-CSE 307	Advanced Operating Systems	VI	4
8	PEC-CSE 308	Real Time Systems	VI	4
9	PEC-CSE 309	Web and Internet Technology	VI	4
10	PEC-CSE 401	Data Analytics	VII	4
11	PEC-CSE 402	Parallel and Distributed Algorithms	VII	4
12	PEC-CSE 403	Neural Networks and Deep Learning	VII	4
13	PEC-CSE 404	Multi-Agent Intelligent Systems	VII	4
14	PEC-CSE 405	Internet-of-Things	VII	4
15	PEC-CSE 406	Cloud Computing	VII	4
16	PEC-CSE 407	Optimization Techniques	VIII	4
17	PEC-CSE 408	Human Computer Interaction	VIII	4
18	PEC-CSE 409	Digital Signal Processing	VIII	4

OPEN ELECTIVE COURSE (OEC)

S.No	Subject Code No.	Subject	Preferred Semester	Credit
1	OEC-CSE 301	Management of Employee Performance	VI	3
2	OEC-CSE 302	Cyber Laws and Ethics	VI	3
3	OEC-CSE 303	Non-Conventional Energy Sources	VI	3
4	OEC-CSE 401	Economics Policies in India	VII	3
5	OEC-CSE 402	Reliability and Maintenance Engineering	VII	3
6	OEC-CSE 403	Management Training and Development	VII	3
7	OEC-CSE 404	Human Resource Management	VIII	3
8	OEC-CSE 405	Total Quality Management	VIII	3
9	OEC-CSE 406	Industrial Relations	VIII	3

BASIC SCIENCE COURSES (BSC)

S.No	Subject Code No.	Subject	Preferred Semester	Credit
1	BSC-101	Engineering Physics-I	I	4
2	BSC-102	Engineering Mathematics-I	I	4
3	BSC-103	Physics-I Lab	I	1
4	BSC-104	Engineering Physics-II	II	4
5	BSC-105	Engineering Mathematics-II	II	4
6	BSC-106	Engineering Chemistry	II	3
	BSC-107	Engineering Physics-II Lab	II	1
7	BSC-108	Engineering Chemistry Lab	II	1
8	BSC-201	Mathematics-III	III	4

ENGINEERING SCIENCE COURSE (ESC)

S.No	Subject Code No.	Subject	Preferred Semester	Credit
1	ESC-101	Computer Fundamental	I	4
2	ESC-102	Basics of Mechanical Engineering	I	4
3	ESC-103	Workshop Practice Lab	I	2
4	ESC-104	Computer Fundamental Lab	I	1
5	ESC-105	Programming with C	II	3
6	ESC-106	Basics of Electrical & Electronics Engineering	II	4
7	ESC-107	Engineering Mechanics	II	4
8	ESC-108	Basics of Electrical & Electronics Engineering Lab	II	1
9	ESC-109	Engineering Graphics & Design Lab	II	2
10	ESC-110	C Programming Lab	II	1

HUMANITIES & SOCIAL SCIENCES INCLUDING MANAGEMENT

S.No	Subject Code No.	Subject	Preferred Semester	Credit
1	HSMC 101	Communicative English	I	3
2	HSMC 102	Language Lab	I	1
3	HSMC 201	Human Values	III	4
4	HSMC 401	Organizational Behaviour	IV	4
5	HSMC-CSE 301	Human Resource Management	V	3

PROJECT WORK, SEMINAR AND INTERNSHIP IN INDUSTRY OR ELSEWHERE

S.No	Subject Code No.	Subject	Preferred Semester	Credit
1	PROJ-CSE 301	Industrial Training Seminar	V	2
2	PROJ-CSE-302	Minor Project-I	VI	2
3	PROJ-CSE-401	Minor Project-II	VII	8
4	PROJ-CSE-402	Major Project	VIII	8

MANDATORY COURSES

S.No	Subject Code No.	Subject	Preferred Semester	Credit
1	MC-I	Environmental Studies	I	0
2	MC-II	Environmental Studies Lab	I	0
3	MC-III	Constitutional Law	III	0

Raffles University, Neemrana
School of Engineering and Technology
CBCS Scheme for B.Tech (4 Year Course)(2022-26)

Department of Computer Science & Engineering

3rd Semester

S.No.	Category	Code	Course Title	Hours Per Week			IA		EA	Total	Credit
				L	T	P	TA	MTA			
1	PCC	PCC-CSE 201	Data structure & algorithm using C	3	1	0	20	20	60	100	4
2	PCC	PCC-CSE 202	Object oriented programming through C++	3	1	0	20	20	60	100	4
3	PCC	PCC-CSE 203	Database Management System	3	1	0	20	20	60	100	4
4	PCC	PCC-CSE 204	Unix & Shell Programming	3	1	0	20	20	60	100	4
5	BSC	BSC 201	Mathematics –III	3	1	0	20	20	60	100	4
6	HSMC	HSMC 201	Human Values	3	1	0	20	20	60	100	4
7	PCC	PCC-CSE 205	Data structure & algorithm Using C Lab	0	0	2	30	30	40	100	1
8	PCC	PCC-CSE 206	Object oriented programming through C++ Lab	0	0	2	30	30	40	100	1
9	PCC	PCC-CSE 207	Database Management System Lab	0	0	2	30	30	40	100	1
10	PCC	PCC-CSE 208	Unix & Shell Programming Lab	0	0	2	30	30	40	100	1
			Total	18	6	8				1000	28

Raffles University, Neemrana
School of Engineering and Technology
CBCS Scheme for B.Tech (4 Year Course) (2022-26)

Department of Computer Science & Engineering

4th Semester

S.No.	Category	Code	Course Title	Hours Per Week			IA		EA	Total	Credit
				L	T	P	TA	MTA			
1	PCC	PCC-CSE 209	Digital Electronics	4	1	0	20	20	60	100	5
2	PCC	PCC-CSE 210	Discrete Mathematics	3	1	0	20	20	60	100	4
3	PCC	PCC-CSE 211	Computer Organization & Architecture	3	0	0	20	20	60	100	3
4	PCC	PCC-CSE 212	Design & Analysis of Algorithm	4	0	0	20	20	60	100	4
5	PCC	PCC-CSE 213	Operating Systems	4	0	0	20	20	60	100	4
6	HSMC	HSMC 401	Organizational Behaviour	3	0	0	20	20	60	100	3
7	PCC	PCC-CSE 214	Computer Organization & Architecture Lab	0	0	2	30	30	40	100	1
8	PCC	PCC-CSE 215	Operating Systems Lab	0	0	2	30	30	40	100	1
9	PCC	PCC-CSE 216	Design & Analysis of Algorithm Lab	0	0	2	30	30	40	100	1
10	MC	MC-III	Constitutional Law	0	0	0	0	0	100	100	0
			Total	21	2	6				1000	26

Raffles University, Neemrana
School of Engineering and Technology
CBCS Scheme for B.Tech (4 Year Course)(2022-26)

Department of Computer Science & Engineering
5th Semester

S.No.	Category	Code	Course Title	Hours Per Week			IA		EA	Total	Credit
				L	T	P	TA	MTA			
1	PCC	PCC-CSE 301	Data Communication	4	0	0	20	20	60	100	4
2	PCC	PCC-CSE 302	Software Engineering	4	0	0	20	20	60	100	4
3	PCC	PCC-CSE 303	Formal Language & Automata Theory	3	1	0	20	20	60	100	4
4	PCC	PCC-CSE 304	Java Programming	3	0	0	20	20	60	100	3
5	HSMC	HSMC-CSE-301	Human Resource Management	3	0	0	20	20	60	100	3
6	PEC	PEC-CSE 301-303	Elective – I	4	0	0	20	20	60	100	4
7	PCC	PCC-CSE 305	Software Engineering Lab	0	0	2	30	30	40	100	1
8	PCC	PCC-CSE 306	Java Programming Lab	0	0	2	30	30	40	100	1
9	PCC	PCC-CSE 307	Data Communication Lab	0	0	2	30	30	40	100	1
10	PROJ	PROJ-CSE 301	Industrial Training/ Project Seminar	0	0	4	0	0	100	100	2
			Total	21	1	10				1000	27

Raffles University, Neemrana
School of Engineering and Technology
Scheme for B.Tech (4 Year Course)(2022-26)

Department of Computer Science & Engineering

6th Semester

S.No.	Category	Code	Course Title	Hours			IA		EA	Total	Credit
				Per Week			TA	MTA			
				L	T	P					
1	PCC	PCC-CSE 308	Compiler Design	3	1	0	20	20	60	100	4
2	PCC	PCC-CSE 309	Data Mining & Warehousing	3	0	0	20	20	60	100	3
3	PCC	PCC-CSE 310	Computer Network	3	0	0	20	20	60	100	3
4	PEC	PEC-CSE 304-306	Elective-II	4	0	0	20	20	60	100	4
5	PEC	PEC-CSE 307-309	Elective-III	4	0	0	20	20	60	100	4
6	OEC	OEC-CSE 301-303	Open Elective-I	3	0	0	20	20	60	100	3
7	PCC	PCC-CSE 311	Compiler Design Lab	0	0	2	30	30	40	100	1
8	PCC	PCC-CSE 312	Computer Network Lab	0	0	2	30	30	40	100	1
9	PROJ	PROJ-CSE 302	Minor Project- I	0	0	4	50	50	100	200	2
			Total	20	1	8				1000	25

Raffles University, Neemrana
School of Engineering and Technology
CBCS Scheme for B.Tech (4 Year Course)(2022-26)

Department of Computer Science & Engineering

7th Semester

S.No.	Category	Code	Course Title	Hours Per Week			IA		EA	Total	Credit
				L	T	P	TA	MTA			
1	PCC	PCC-CSE 401	Network Security & Cryptography	3	1	0	20	20	60	100	4
2	PEC	PEC-CSE 401-403	Elective- IV	4	0	0	20	20	60	100	4
3	PEC	PEC-CSE 404-406	Elective- V	3	1	0	20	20	60	100	4
4	OEC	OEC-CSE 401-403	Open Elective- II	3	0	0	20	20	60	100	3
5	PCC	PCC-CSE 401	Network Security & Cryptography Lab	0	0	2	30	30	40	100	1
6	PROJ	PROJ-CSE- 401	Minor Project-II	0	0	16	50	50	400	500	8
			Total	13	1	18				1000	24

Raffles University, Neemrana
School of Engineering and Technology
CBCS Scheme for B.Tech (4 Year Course) (2022-26)

Department of Computer Science & Engineering

8th Semester

S.No.	Category	Code	Course Title	Hours Per Week			IA		EA	Total	Credit
				L	T	P	TA	MTA			
1	PCC	PCC-CSE 403	Advanced Computer Architecture	3	1	0	20	20	60	100	4
2	PCC	PCC-CSE 404	Artificial Intelligence & Expert Systems	3	0	0	20	20	60	100	3
3	PEC	PEC-CSE 407- 409	Elective- VI	3	1	0	20	20	60	100	4
4	OEC	OEC-CSE 404-406	Open Elective- III	3	0	0	20	20	60	100	3
5	PCC	PCC-CSE 405	Artificial Intelligence & Expert Systems Lab	0	0	4	30	30	40	100	2
6	PROJ	PROJ-CSE-402	Major Project	0	0	16	50	150	400	600	8
			Total	12	2	20				1100	24



**SCHOOL OF ENGINEERING & TECHNOLOGY
SCHEME B.TECH MECHANICAL ENGINEERING BATCH 2021-25**

SCHEME

(Choice Based Credit system)

For

BACHELOR OF TECHNOLOGY PROGRAMME

In

MECHANICAL ENGINEERING (w.e.f. session 2021-2025)



**RAFFLES
UNIVERSITY**

**DEPARTMENT OF MECHANICAL ENGINEERING
SCHOOL OF ENGINEERING & TECHNOLOGY
RAFFLES UNIVERSITY
NEEMRANA**



SCHOOL OF ENGINEERING & TECHNOLOGY
SCHEME B.TECH MECHANICAL ENGINEERING BATCH 2021-25

B.TECH SCHEME CREDITS CALCULATION

S.No	Category of Course	Abbreviation Used	Credits
1.	Humanities and Social Sciences including Management Courses	HSMC	13
2.	Basic Sciences Courses	BSC	26
3.	Engineering Sciences Courses including workshop, Drawing, Basics of Electrical/ Mechanical/ Computer etc.	ESC	26
4.	Professional Core Courses	PCC	98
5.	Professional Elective Courses relevant to chosen specialization/ branch	PEC	13
6.	Open Subjects- Electives from other technical and /or emerging subjects	OEC	12
7.	Project Work, Seminar and internship in industry or elsewhere	PROJ	16
8.	Mandatory Courses (Environmental Sciences, Induction Program, Indian Constitution, Essence of Indian Traditional Knowledge)	MC	Non Credit
Total			204

PROFESSIONAL CORE COURSE (PCC)

Subject Code No.	Subject	Preferred semester	Credit
PCC-ME 201	Strength of material	III	4

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PCC-ME 202	Thermodynamics	III	4
PCC-ME 203	Material science & Engineering	III	3
PCC-ME 204	Manufacturing Processes-I	III	3
PCC-ME 205	Machine Drawing &Auto CAD Lab	III	2
PCC-ME 206	Thermodynamics Lab	III	1
PCC-ME 207	Manufacturing Processes-I Lab	III	1
PCC-ME 208	Strength of Materials Lab	III	1
PCC-ME 209	Material Science & Engineering Lab	III	1
PCC-ME 210	Kinematics of Machines	IV	4
PCC-ME 211	Fluid Mechanics	IV	4
PCC-ME 212	Manufacturing Processes-II	IV	3
PCC-ME 213	I. C. Engines	IV	4
PCC-ME 214	Industrial Engineering	IV	4
PCC-ME 215	Design of Machine Elements	IV	4
PCC-ME 216	Kinematics of Machines Lab	IV	1
PCC-ME 217	Fluid Mechanics Lab	IV	1
PCC-ME 218	Manufacturing Processes-II Lab	IV	1
PCC-ME 219	I. C. Engines Lab	IV	1
PCC-ME 301	Dynamics of Machines	V	4
PCC-ME 302	Hydraulic Machines	V	4
PCC-ME 303	Heat Transfer	V	4
PCC-ME 304	Design of Transmission Systems	V	4
PCC-ME 305	Measurement & Metrology	V	3
PCC-ME 306	Hydraulic Machines Lab	V	1
PCC-ME 307	Dynamics of Machines Lab	V	1
PCC-ME 308	Heat Transfer Lab	V	1
PCC-ME 309	Measurement & Metrology Lab	V	1
PCC-ME 310	Automobile Engineering	VI	3



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PCC-ME 311	Mechanical Vibration	VI	4
PCC-ME 312	Operation Research	VI	4
PCC-ME 313	Automobile Engineering Lab	VI	1
PCC-ME 314	Mechanical Vibration Lab	VI	1
PCC-ME 401	Computer Aided Design	VII	3
PCC-ME 402	Refrigeration & Air Conditioning	VII	4
PCC-ME 403	Refrigeration & Air Conditioning Lab	VII	1
PCC-ME 404	Power Plant Engineering	VIII	3
PCC-ME 405	CNC Machines & Automation	VIII	4
PCC-ME 406	CNC Machines & Automation Lab	VIII	3

PROFESSIONAL ELECTIVE COURSE (PEC)

Code No.	Subject	Preferred semester	Credit
PEC-ME 301	Applied Thermodynamics	VI	4
PEC-ME 302	Tribology	VI	4
PEC-ME 303	Numerical Methods & Analysis	VI	4
PEC-ME 401	Welding Technology	VII	3
PEC-ME 402	Advanced strength of material	VII	3
PEC-ME 403	Production Planning & Control	VII	3
PEC-ME 404	Mechatronics	VIII	3
PEC-ME 405	Rapid Prototyping	VIII	3
PEC-ME 406	Foundry Technology	VIII	3
PEC-ME 407	Gas Turbine and Gas Power Plant	VIII	3
PEC-ME 408	Aerodynamics & Their Analysis	VIII	3
PEC-ME 409	Advance Manufacturing Processes	VIII	3



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OPEN ELECTIVE COURSE (OEC)

Code No.	Subject	Preferred semester	Credit
OEC-301	Instrumentation & Control	VI	3
OEC-302	Total Quality Management	VI	3
OEC-303	Product Design & Development	VI	3
OEC-304	Cyber Laws And Security	VI	3
OEC-305	Soft Computing	VI	3
OEC-306	Special Electrical Machines	VI	3
OEC-401	Non-Conventional Energy sources	VII	3
OEC-402	Management Information System	VII	3
OEC-403	Soft Skills for Engineers	VII	3
OEC-404	Utilization of electrical power & Traction	VIII	3
OEC-405	Optimization techniques in Engineering	VIII	3
OEC-406	Microprocessor & Microcontroller	VIII	3
OEC-407	Reliability and maintenance Engineering	VIII	3

BASIC SCIENCE COURSES (BSC)

Code No.	Subject	Preferred semester	Credit
BSC-101	Engineering Physics-I	I	4
BSC-102	Engineering Mathematics-I	I	4
BSC-103	Physics-I Lab	I	1
BSC-104	Engineering Physics-II	II	4
BSC-105	Engineering Mathematics-II	II	4
BSC-106	Engineering Chemistry	II	3
BSC-107	Physics-II Lab	II	1
BSC-108	Engineering Chemistry Lab	II	1



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BSC-201	Mathematics-III	III	4
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ENGINEERING SCIENCE COURSE (ESC)

Code No.	Subject	Preferred semester	Credit
ESC-101	Computer Fundamental	I	4
ESC-102	Basics of Mechanical Engineering	I	4
ESC-103	Workshop Practice Lab	I	2
ESC-104	Computer Fundamental Lab	I	1
ESC-105	Programming with C	II	3
ESC-106	Basics of Electrical & Electronics Engineering	II	4
ESC-107	Engineering Mechanics	II	4
ESC-108	Basics of Electrical & Electronics Engineering Lab	II	1
ESC-109	Engineering Graphics & Design Lab	II	2
ESC-110	C Programming Lab	II	1

HUMANITIES & SOCIAL SCIENCES INCLUDING MANAGEMENT

Code No.	Subject	Preferred semester	Credit
HSMC-101	Communicative English	I	3
HSMC-102	Language Lab	I	1
HSMC-301	Principles of Management	V	3
HSMC-401	Engineering Economics	VII	3
HSMC-402	Entrepreneurship Development	VII I	3



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PROJECT WORK, SEMINAR AND INTERNSHIP IN INDUSTRY OR ELSEWHERE

Code No.	Subject	Preferred semester	Credit
PROJ-ME 311	Industrial Training-I / Seminar	V	2
PROJ-ME 401	Industrial Training-II / Seminar	VII	2
PROJ-ME 403	Project- II	VIII	6

MANDATORY COURSES

Code No.	Subject	Preferred semester	Credit
MC-I	Environmental Studies	I	0
MC-II	Introduction of Indian Law	III	0

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3rd Semester

Sr · N o.	Cate gory	Code	Course Title	Hours Per Week			Cre dits
				L	T	P	C
1	BSC	BSC 201	Mathematics-III	3	1	0	4
2	PCC	PCC-ME 201	Strength of Materials	3	1	0	4
3	PCC	PCC-ME 202	Thermodynamics	3	1	0	4
4	PCC	PCC-ME 203	Material Science & Engineering	3	0	0	3
5	PCC	PCC-ME 204	Manufacturing Processes-I	3	0	0	3
6	MC	MC-III	Introduction of Indian Law	2	0	0	0
7	PCC	PCC-ME 205	Machine Drawing & Auto CAD Lab	0	0	3	2
8	PCC	PCC-ME 206	Thermodynamics Lab	0	0	2	1
9	PCC	PCC-ME 207	Manufacturing Processes-I Lab	0	0	2	1
10	PCC	PCC-ME 208	Strength of Materials Lab	0	0	2	1
11	PCC	PCC-ME 209	Material Science & Engineering Lab	0	0	2	1
			Total	17	3	1 1	24

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4th Semester

S No.	Category	Code	Course Title	Hours Per Week			Credits
				L	T	P	C
1	PCC	PCC-ME 210	Kinematics of Machines	3	1	0	4
2	PCC	PCC-ME 211	Fluid Mechanics	3	1	0	4
3	PCC	PCC-ME 212	Manufacturing Processes-II	3	0	0	3
4	PCC	PCC-ME 213	I. C. Engines	3	1	0	4
5	PCC	PCC-ME 214	Industrial Engineering	3	1	0	4
6	PCC	PCC-ME 215	Design of Machine Elements	3	1	0	4
7	PCC	PCC-ME 216	Kinematics of Machines Lab	0	0	2	1
8	PCC	PCC-ME 217	Fluid Mechanics Lab	0	0	2	1
9	PCC	PCC-ME 218	Manufacturing Processes-II Lab	0	0	2	1
10	PCC	PCC-ME 219	I. C. Engines Lab	0	0	2	1
			Total	18	5	8	27



SCHOOL OF ENGINEERING & TECHNOLOGY
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5th Semester

S. No.	Category	Code	Course Title	Hours Per Week			Credits
				L	T	P	
1	PCC	PCC-ME 301	Dynamics of Machines	3	1	0	4
2	PCC	PCC-ME 302	Hydraulic Machines	3	1	0	4
3	HSMC	HSMC301	Principles of Management	3	0	0	3
4	PCC	PCC-ME 303	Heat Transfer	3	1	0	4
5	PCC	PCC-ME 304	Design of Transmission Systems	3	1	0	4
6	PCC	PCC-ME 305	Measurement & Metrology	3	0	0	3
7	PCC	PCC-ME 306	Hydraulic Machines Lab	0	0	2	1
8	PCC	PCC-ME 307	Dynamics of Machines Lab	0	0	2	1
9	PCC	PCC-ME 308	Heat Transfer Lab	0	0	2	1
10	PCC	PCC-ME 309	Measurement & Metrology Lab	0	0	2	1
11	PROJ	PROJ-ME 301	Industrial Training-I Seminar	0	0	2	2
Total				15	10	10	28



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6th Semester

S. No.	Category	Code	Course Title	Hours Per Week			Credits
				L	T	P	C
1	PCC	PCC-ME 310	Automobile Engineering	3	0	0	3
2	PCC	PCC-ME 311	Mechanical Vibration	3	1	0	4
3	PCC	PCC-ME 312	Operation Research	3	1	0	4
4	PEC	PEC-ME 301-303	Professional Elective-I	3	1	0	4
5	OEC	OEC 301-303	Open Elective-I	3	0	0	3
6	OEC	OEC 304-306	Open Elective-II	3	0	0	3
7	PCC	PCC-ME 313	Automobile Engineering Lab	0	0	2	1
8	PCC	PCC-ME 314	Mechanical Vibration Lab	0	0	2	1
			Total	18	3	4	23



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7th Semester

S. No.	Category	Code	Course Title	Hours Per Week			Credits
				L	T	P	
1	PCC	PCC-ME 401	Computer Aided Design	3	0	0	3
2	PCC	PCC-ME 402	Refrigeration & Air Conditioning	3	1	0	4
3	HSMC	HSMC 401	Engineering Economics	3	0	0	3
4	PEC	PEC-ME 401-403	Professional Elective-II	4	0	0	4
5	OEC	OEC401-403	Open Elective-III	3	0	0	3
6	PCC	PCC-ME 403	Refrigeration & Air Conditioning Lab	0	0	2	1
7	PROJ	PROJ-ME 401	Industrial Training-II/ Seminar	0	0	2	2
8	PROJ	PROJ- ME402	Project-I	0	0	6	6
			Total	15	2	10	26



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8th Semester

S. No	Category	Code	Course Title	Hours Per Week			Credits
				L	T	P	C
1	PCC	PCC-ME 404	Power Plant Engineering	3	0	0	3
2	HSMC	HSMC402	Entrepreneurship Development & Management	3	0	0	3
3	PCC	PCC-ME 405	CNC Machines & Automation	3	1	0	4
4	PEC	PEC-ME 404-406	Professional Elective-III	3	0	0	3
5	PEC	PEC-ME 407-409	Professional Elective-IV	3	0	0	3
6	OEC	OEC 404-406	Open Elective-IV	3	0	0	3
7	PCC	PCC-ME 407	CNC Machines & Automation Lab	0	0	2	1
8	PROJ	PROJ- ME 403	Project- II	0	0	6	6
			Total	18	1	8	26

SCHEME

(Choice Based Credit system)

For

BACHELOR OF TECHNOLOGY PROGRAMME

In

ELECTRICAL ENGINEERING (w.e.f. session 2022-2026)



RAFFLES

UNIVERSITY

**DEPARTMENT OF ELECTRICAL ENGINEERING
SCHOOL OF ENGINEERING & TECHNOLOGY
RAFFLES UNIVERSITY
NEEMRANA**

DEPARTMENT OF ELECTRICAL ENGINEERING

VISION

To be a centre of excellence by producing high calibre, competent and self-reliant electrical engineers, who possess scientific temperament and would engage in activities relevant to industries with ethical values and flair to research.

MISSION

- To provide efficient engineers for global requirements by imparting quality education
- To explore, create and develop innovations in various aspects of engineering through industries and institutions.
- To emphasize on practical skills and socially relevant technology

ABOUT THE PROGRAMME

Raffles University, Neemrana established in 2011, to produce highly practical oriented personnel in fields of engineering to meet specific manpower requirements of industries. Electrical Engineering Department was started in 2011 and has been conducting B.Tech Course in Electrical Engineering of 4-Years duration since 2011. Students are admitted through university entrance or direct counselling nominated by university management in 1st Year and 2nd year through lateral entry entrance test. The total intake for the programme is 60. The Electrical Engineering Department has been well known for its track record of employment of the pass out students since its inception. The Department has well managed class rooms and fully equipped laboratories and Conference Room. It has excellent and distinguished faculty. The syllabi of programme in Electrical Engineering Department, has been prepared by subject experts with active participation from Industry. The Department is organizing number of expert lectures from industry experts for students in every semester. Summer training/ Industry Internship is mandatory for every student after completion of second year and third year (Two times in 4 years). Emphasis has been given on project work, workshop and Lab Course for skill enhancement of students. Choice based credit system allows students to study the subjects of his/her choice from a number of elective courses /audit courses.

PROGRAMMME EDUCATIONAL OBJECTIVES (PEOs)

PEO-1: To train students with practical skills and experimental practices related to core and applied areas of Electrical engineering to expand their knowledge horizon beyond books.

PEO-2: To enable students to design, develop and maintain Electrical equipments which are useful for the society.

PEO-3: To improve team building, team working and leadership skills of the students with high regard for ethical values and social responsibilities.

PEO- 4: To enable students to communicate effectively and demonstrate the knowledge of project management and independent research.

PROGRAMME OUTCOMES (POs)

Engineering Graduates will be able to:

- 1) **Engineering Knowledge:** Apply knowledge of mathematics, science, engineering fundamentals, and Electrical engineering to the solution of engineering problems.
- 2) **Problem Analysis:** Identify, formulate, review literature and analyse Electrical engineering problems to design, conduct experiments, analyse data and interpret data.
- 3) **Design /Development of Solutions:** Design solution for Electrical engineering problems and design system component of processes that meet the desired needs with appropriate consideration for the public health and safety, and the cultural, societal and the environmental considerations.
- 4) **Conduct Investigations of Complex Problems:** Use research based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions in Electrical engineering.
- 5) **Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to mechanical engineering activities with an understanding of the limitations.
- 6) **The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to Electrical engineering practice.
- 7) **Environment and Sustainability:** Understand the impact of the Electrical engineering solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development.
- 8) **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the Electrical engineering practice.

- 9) Individual and Team Work: Function affectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings in Electrical engineering.
- 10) Communication: Communicate effectively on complex engineering activities with the engineering committee and with society at large, such as, being able to comprehend and write affective reports and design documentation, make effective presentations in Electrical engineering.
- 11) Project Management and Finance: Demonstrate knowledge & understanding of the Electrical engineering principles and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments in Electrical engineering.
- 12) Life - Long Learning: Recognize the need for, and the preparation and ability to engage in independent research and lifelong learning in the broadest contest of technological changes in Electrical engineering.

PROGRAM SPECIFIC OUTCOMES (PSOs):

- 1) To apply practical skills, knowledge of engineering fundamentals and Electrical engineering, to industries and institutions.
- 2) To explore, create and develop innovations in various aspects of engineering. The student will be ready to take-up career or to pursue higher studies with high regard to ethical values and social responsibilities.

B.TECH ELCTRICAL ENGINEERING SCHEME CREDITS CALCULATION

S.No.	Category of Course	Abbreviation Used	Credits
1.	Humanities and Social Sciences including Management Courses	HSMC	13
2.	Basic Sciences Courses	BSC	26
3.	Engineering Sciences Courses including workshop, Drawing, Basics of Electrical/ Mechanical/ Computer etc.	ESC	26
4.	Professional Core Courses	PCC	98
5.	Professional Elective Courses relevant to chosen specialization/ branch	PEC	13
6.	Open Subjects- Electives from other technical and /or emerging subjects	OEC	12
7.	Project Work, Seminar and internship in industry or elsewhere	PROJ	16
8.	Mandatory Courses (Environmental Sciences, Induction Program, Indian Constitution, Essence of Indian Traditional Knowledge)	MC	Non Credit
Total			204

Abbreviations Used:

L -Lectuer

T - Tutorial

P - Practical

IA - Internal Assessment

EA - External Assessment

TA - Teacher's Assessment

MTA - Mid Tern Assessment

ETA - End Term Assessment

Raffles University, Neemrana
School of Engineering and Technology
Department of Electrical Engineering
Scheme for B.Tech (Batch 2022-26)
3rd Semester

Sr. No	Category	Subject Code	Course Title	Hours Per Week			Credits	Examination		
				L	T	P		C	I.A Marks	ESE Marks
1	PCC-EE	PCC-EE-201	Electrical Circuit Analysis -	3	1	0	4	40	60	100
2	PCC-EE	PCC-EE-203	Analog Electronics	3	0	0	3	40	60	100
3	PCC-EE	PCC-EE-205	Electrical Machines – I	3	1	0	4	40	60	100
4	PCC-EE	PCC-EE-207	Electromagnetic Fields	3	0	0	3	40	60	100
5	ESC	ESC- 201	Engineering Mechanics	3	0	0	3	40	60	100
6	PCC-EE	PCC-EE-209	Electrical Machines Laboratory - I	0	0	2	2	40	60	100
7	PCC-EE	PCC-EE-211	Analog Electronics Laboratory	0	0	2	2	60	40	100
8	PCC-EE	PCC-EE-213	Electrical Circuit Analysis Lab	0	0	2	2	60	40	100
9	MC	MC-I	Indian Constitution	2	0	0	2	60	40	100
			Total	17	2	6	25			900

Raffles University, Neemrana
School of Engineering and Technology
Department of Electrical Engineering
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4th Semester

S No	Category	Code	Course Title	Hours Per Week			Credits	Examination		
				L	T	P		C	I.A Marks	ESE Marks
1	PCC-EE	PCC-EE-202	Digital Electronics	3	0	0	3	40	60	100
2	PCC-EE	PCC-EE-204	Electrical Machines – II	3	1	0	4	40	60	100
3	PCC-EE	PCC-EE-206	Power Electronics	3	1	0	4	40	60	100
4	PCC-EE	PCC-EE-208	Signals and Systems	3	0	0	3	40	60	100
5	BSC	BSC-201	Mathematics–III	3	0	0	3	40	60	100
6	BSC	BSC-202	Biology-medical instrumentation	3	0	0	3	40	60	100
7	PCC-EE	PCC-EE-210	Digital Electronics Laboratory	0	0	2	2	60	40	100
8	PCC-EE	PCC-EE-212	Electrical Machines Laboratory – II	0	0	2	2	60	40	100
9	PCC-EE	PCC-EE-214	Power Electronics Laboratory	0	0	2	2	60	40	100
			Total	18	2	6	26			900

Raffles University, Neemrana
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5th Semester

S. No	Category	Code	Course Title	Hours Per Week			Credits	Examination		
				L	T	P		C	I.A Marks	ESE Marks
1	PCC-EE	PCC-EE-301	Power Systems – I	3	1	0	4	40	60	100
2	PCC-EE	PCC-EE-303	Control Systems	3	1	0	4	40	60	100
3	PCC-EE	PCC-EE-305	Microprocessors	3	0	0	3	40	60	100
4	PEC-EE	PEC-EE-301	Program Elective - 1	3	0	0	3	40	60	100
5	OEC-EE	OEC-EE-301	Open Elective-1	3	0	0	3	40	60	100
6	HSMC	HSMC-301	Engineering Economics	3	0	0	3	40	60	100
7	PCC-EE	PCC-EE-307	Power Systems Laboratory - I	0	0	2	2	60	40	100
8	PCC-EE	PCC-EE-309	Control Systems Laboratory	0	0	2	2	60	40	100
9	PCC-EE	PCC-EE-311	Microprocessors Laboratory	0	0	2	2	60	40	100
10										
			Total	18	2	6	26			900

Raffles University, Neemrana
School of Engineering and Technology
Department of Electrical Engineering
Scheme for B.Tech (Batch 2022-26)
6th Semester

S. No.	Category	Code	Course Title	Hours Per Week			Credits	Examination		
				L	T	P		C	I.A Marks	ESE Marks
1	PCC-EE	PCC-EE-302	Power Systems – II	3	1	0	4	40	60	100
2	PCC-EE	PCC-EE-304	Measurements and Instrumentation	3	0	0	3	40	60	100
3	PEC-EE	PEC-EE-302	Program Elective - 2	3	0	0	3	40	60	100
4	PEC-EE	PEC-EE-303	Program Elective - 3	3	0	0	3	40	60	100
5	OEC-EE	OEC-EE-302	Open Elective-2	3	1	0	4	40	60	100
6	HSMC	HSMC-302	Personality Development Programme	3	0	0	3	40	60	100
7	PCC-EE	PCC-EE-306	Power Systems Laboratory - II	0	0	2	2	60	40	100
8	PCC-EE	PCC-EE-308	Measurements and Instrumentation Laboratory	0	0	2	2	60	40	100
9	PCC-EE	PCC-EE-310	Electronics Design Laboratory	0	0	6	6	60	40	100
			Total	18	2	10	30			900

Raffles University, Neemrana
School of Engineering and Technology
Department of Electrical Engineering
Scheme for B.Tech (Batch 2022-2026)

7th Semester

S. No.	Category	Code	Course Title	Hours Per Week			Credits	Examination		
				L	T	P		C	I.A Marks	ESE Marks
1	PEC-EE	PEC-EE-304	Program Elective -4	3	0	0	3	40	60	100
2	PEC-EE	PEC-EE-305	Program Elective -5	3	1	0	4	40	60	100
3	OEC-EE	OEC-EE-403	Open Elective -3	3	0	0	3	40	60	100
4	OEC-EE	OEC-EE-404	Open Elective -4	3	0	0	3	40	60	100
5	PROJ-EE	PROJ-EE-01	Project Stage-I	0	0	8	4	180	120	300
6	SI	EE-SI	Summer Internship	0	0	0	2	120	80	200
			Total	12	1	8	19			900

Note: Summer Internship Credits are based on summer training done by students in industry during summer break after third year. (Assessment Mode will be ‘presentation and report’)

Raffles University, Neemrana
School of Engineering and Technology
Department of Electrical Engineering
Scheme for B.Tech (Batch 2022-26)

8th Semester

S. No.	Category	Code	Course Title	Hours Per Week			Credits	Examination		
				L	T	P		C	I.A Marks	ESE Marks
1	PEC-EE	PEC-EE-306	Program Elective -6	3	0	0	3	40	60	100
2	OEC-EE	OEC-EE-405	Open Elective -5	3	0	0	3	40	60	100
3	OEC-EE	OEC-EE-406	Open Elective -6	3	1	0	4	40	60	100
4	PROJ-EE	PROJ-EE-02	Project Stage-II	0	0	16	8	360	240	600
			Total	9	1	16	18			900

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School of Engineering and Technology
Department of Electrical Engineering
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OPEN ELECTIVE COURSES [ELECTRICAL ENGINEERING]

Sr.No.	Course code	Subject	Credits
1	OEC-EE-301	Electronic Devices	3
2	OEC-EE-301	Data Structures and Algorithms	3
3	OEC-EE-301	Analog and Digital Communication	3
4	OEC-EE-302	Computer Networks	3
5	OEC-EE-302	Embedded System	3
6	OEC-EE-302	VLSI Circuits	3
7	OEC-EE-403	Image Processing	3
8	OEC-EE-403	Power Quality and FACTS	3
9	OEC-EE-403	Generation of Electrical Power	3
10	OEC-EE-404	Electrical Power Quality	3
11	OEC-EE-404	Electrical Energy Utilization	3
12	OEC-EE-404	Hydro Power Station Design	3
13	OEC-EE-405	Testing & Commissioning of Electrical Equipments	3
14	OEC-EE-405	Power System Engineering	3
15	OEC-EE-405	Power System Planning	3
16	OEC-EE-406	Computer Aided Power System Analysis	3
17	OEC-EE-406	Advanced Power Electronics	3
18	OEC-EE-406	Power System Transients	3

Raffles University, Neemrana
School of Engineering and Technology
Department of Electrical Engineering

Scheme for B.Tech (Batch 2021-25)

PROFESSIONAL ELECTIVE COURSES [ELECTRICAL ENGINEERING]

Sr.No.	Course code	Course Title	Hrs/week L:T:P	Credits
1	PEC-EE-301	Wind and solar Energy Systems	3:0:0	3
2	PEC-EE-301	Line Commutated and Active Rectifiers	3:0:0	3
3	PEC-EE-301	Electrical Drives	3:0:0	3
4	PEC-EE-302	Electrical Engineering Materials	3:0:0	3
5	PEC-EE-302	Electrical Machine Design	3:0:0	3
6	PEC-EE-302	Power System Protection	3:0:0	3
7	PEC-EE-303	HVDC Transmission system	3:0:0	3
8	PEC-EE-303	Renewable Energy Sources	3:0:0	3
9	PEC-EE-303	High Voltage Engineering	3:0:0	3
10	PEC-EE-304	Electrical Energy Conservation and Auditing	3:0:0	3
11	PEC-EE-304	Industrial Electrical Systems	3:0:0	3
12	PEC-EE-304	Power System Dynamics and Control	3:0:0	3
13	PEC-EE-305	Neural Networks	3:0:0	3
14	PEC-EE-305	Digital signal Processing	3:0:0	3
15	PEC-EE-305	Computer Architecture	3:0:0	3
16	PEC-EE-306	Modern control theory	3:0:0	3
17	PEC-EE-306	Smart grid technology	3:0:0	3
18	PEC-EE-306	Artificial intelligence techniques	3:0:0	3

Alabbar School of Management

Raffles University, Neemrana

Minutes

The Meeting of Board of Studies of Alabbar School of Management was held on 27th January, 2018 at 12:00 pm in conference hall of Chancellery Building of the University.

The following members were present:

- | | |
|---|----------|
| 1. Dr. Vinay K. Srivastava
Dean, Alabbar School of Management | Convener |
| 2. Dr. Bhawana Rawat
Asst. Professor, Alabbar School of Management | Member |
| 3. Mr. Sanjeev Kumar
Asst. Professor, Alabbar School of Management | Member |

Experts:

- | | |
|--|-----------------|
| 4. Prof. Pankaj Kumar Gupta
Dean, Centre for Management Studies
Jamia Millia Islamia University, New Delhi | External Expert |
| 5. Dr. Ritesh Gupta
HOD, Department of Entrepreneurship
Footware Design & Development Institute, Rohtak | External Expert |

The Dean, Alabbar School of Management welcomed all Hon'ble experts and members and there after Mr. Sanjeev Kumar was requested to take up the Agenda.

1. To consider the Syllabus and Scheme of Examinations of MBA from the Academic Session 2018-19 onwards.

Resolved that in the Syllabus and Scheme of Examinations of MBA Course the following change may be made:

- i. Name of MBA Programme can be changed to MBA Course
- ii. Change of Name of the subject "Principles of Management" to "Management Concepts" in MBA Sem I

- iii. **Change of Name of the subject “Statistics and Quantitative Techniques” to “Quantitative Techniques for Business Decision Making” (as it will then include Statistics and Operations Research) in MBA Sem I**
- iv. **Change of Name of “Summer Internship & Project Evaluation” to “Summer Internship” or “Summer Internship Project” or ‘Project Emersions”;** and prepare course structure for the same in MBA III Sem
- v. **Change of Name of the subject “Production & Operations Management” to “Operations Management” in MBA Sem III**
- vi. **Change of Name of “Major Research Project” to “Comprehensive Research Project” in MBA IV**
- vii. **Either incorporation of a new subject pertaining to Environmental Considerations, or include aspect of Corporate Social Responsibility in the subject “Business Ethics” in MBA Sem IV**
- viii. **Change of Name of the subject “Branding Management” to “Brand Management” in MBA Sem IV**
- ix. **Subject “Global Brand Strategy” can be included in “International Marketing”**
- x. **Include “International Finance” in “Financial Management”**

2. To consider the syllabus and Scheme of Examinations for BBA course being run in the School of Management from the Academic Session 2018-19 onwards on the basis of CBCS as per UGC norm.

Resolved that the Syllabus and Scheme of Examinations for BBA Course may remain unchanged.

3. To consider the syllabus and Scheme of Examinations for B.Com(II) course being run in the School of Management from the Academic Session 2018-19 onwards on the basis of CBCS as per UGC norm.

Resolved that the Syllabus and Scheme of Examinations for B.Com (II) Course may remain unchanged.

4. For approval of:

- (a) Ordinance of MBA program

Resolved that the Ordinance of MBA Program can be continued with minor revision

(b) Ordinance of BBA program

Resolved that the Ordinance of BBA Program can be continued with minor revision

(c) Ordinance of B.Com (II) program

Resolved that the Ordinance of B.Com (II) Program can be continued with minor revision

Dr. Bhawana Rawat



Mr. Sanjeev Kumar



Prof. Pankaj Kumar Gupta



Dr. Ritesh Gupta



Dr. Vinay K. Srivastava



**ALABBAR SCHOOL OF MANAGEMENT
RAFFLES UNIVERSITY, NEEMRANA**

Minutes of BOS Meeting

The Meeting of Board of Studies of Alabbar School of Management was held on 18th November 2022, at 11:00 am in Business Lounge.

The following members were present:

- | | |
|--|-----------------|
| 1. Dr. Sanjeev Kumar
HOD, Alabbar School of Management
Raffles University, NeeMrana (Raj.) | Convener |
| 2. Dr. Manoj Kumar Meel
Associate Professor, Alabbar School of Management
Raffles University, NeeMrana (Raj.) | Member |
| 3. Dr. Khem Chand
Associate Professor, Alabbar School of Management
Raffles University, NeeMrana (Raj.) | Member |
| 4. Prof. (Dr.) Gurendra Nath Bhardwaj
Professor (Economics) Dean, Dept. of Management
NIT University, NeeMrana, Alwar (Raj.) | External Expert |
| 5. Prof. (Dr.) Birendra Prasad
Professor (Finance), Dept. of Management
Manav Rachna University, Faridabad, (HR) | External Expert |
| 6. Prof. (Dr.) K. Karthikeyan
COE, Raffles University, NeeMrana, (Raj.) | Special Invitee |

The HOD, Alabbar School of Management welcomed all Hon'ble experts and members and there after he took up the agenda.

Agenda items: -

1. To consider and approve the Syllabus and Scheme of Examinations of MBA (Dual Specialisation) Programme from the Academic Session 2022-23 onwards.

Resolved that the Syllabus and Scheme of Examinations for MBA (Dual Specialisation) Programme may remain with the following changes:

Course Code	Proposed Course Name	Changed Course Name
Core Courses		
MGTM-101:	Management concept	Principles of Management

**ALABBAR SCHOOL OF MANAGEMENT
RAFFLES UNIVERSITY, NEEMRANA**

Minutes of BOS Meeting

The Meeting of Board of Studies of Alabbar School of Management was held on 18th November 2022, at 11:00 am in Business Lounge.

The following members were present:

- | | |
|---|-----------------|
| 1. Dr. Sanjeev Kumar
HOD, Alabbar School of Management
Raffles University, Neemrana (Raj.) | Convener |
| 2. Dr. Manoj Kumar Meert
Associate Professor, Alabbar School of Management
Raffles University, Neemrana (Raj.) | Member |
| 3. Dr. Khem Chand
Associate Professor, Alabbar School of Management
Raffles University, Neemrana (Raj.) | Member |
| 4. Prof. (Dr.) Gurendra Nath Bhardwaj
Professor (Economics) Dean, Dept. of Management
NIIT University, Neemrana, Alwar (Raj.) | External Expert |
| 5. Prof. (Dr.) Birendra Prasad
Professor (Finance), Dept. of Management
Manav Rachna University, Faridabad, (HR) | External Expert |
| 6. Prof. (Dr.) K. Karthikeyan
COE, Raffles University, Neemrana, (Raj.) | Special Invitee |

The HOD, Alabbar School of Management welcomed all Hon'ble experts and members and there after he took up the agenda.

Agenda items: -

1. To consider and approve the Syllabus and Scheme of Examinations of MBA (Dual Specialisation) Programme from the Academic Session 2022-23 onwards.

Resolved that the Syllabus and Scheme of Examinations for MBA (Dual Specialisation) Programme may remain with the following changes:

Course Code	Proposed Course Name	Changed Course Name
Core Courses		
MGTM-101:	Management concept	Principles of Management

MGTM-106:	Quantitative Techniques for Business Decision Making	Quantitative Techniques for Managers
MGTM-204:	Financial management	Corporate Finance
MGTM-302:	Legal Regulatory Framework for Business	Legal Aspects of Business
MGTM-303:	Corporate Strategy	Business Strategy
MGTM-304:	Summer Internship and Project Report and Viva-Voce	Summer Internship Project (PAP/PCP)
Specialization Courses		
MGTM-302M	Consumer Behaviour and Market Research	Consumer Behaviour
MGTM-303M	Rural Management	Marketing Research
MGTM-301F	Security Analysis	Security Analysis & Portfolio Management
MGTM-302F	Portfolio Management	Financial Markets and Institutions
MGTM-303F	Financial Markets and Services	Financial Services
MGTM-301S	Supply Chain & Logistic Management	Essentials of Supply Chain Management
MGTM-406M	E-Marketing	Digital Marketing
MGTM-406H	Performance Management	Performance Appraisal and Evaluation
MGTM-405F	Tax Planning and Control	Corporate Tax planning
MGTM-506F	International Finance and Trade	International Finance Management
MGTM-404S	Total Quality Management & Six Sigma	Application of Quality Management

Also, the name of the specialization will be Marketing, Human Resource, Finance, Production & Operation, International Business Logistic and Supply chain Management.

2. To consider and approve the Syllabus and Scheme of Examinations of MBA (Core Specialisation) Course from the Academic Session 2022-23 onwards.

Resolved that the Syllabus and Scheme of Examinations for MBA (Core Specialisation) Programme may remain with the following changes:

Course Code	Proposed Course Name	Changed Course Name
Core Courses		
MGTM-101:	Management concept	Principles of Management
MGTM-106:	Quantitative Techniques for Business Decision Making	Quantitative Techniques for Managers
MGTM-204:	Financial management	Corporate Finance
MGTM-302:	Legal Regulatory Framework for Business	Legal Aspects of Business
MGTM-303:	Corporate Strategy	Business Strategy
MGTM-304:	Summer Internship and Project Report and Viva-Voce	Summer Internship Project (PAP/PCP)
Specialization Courses		
MGTM-302M	Consumer Behaviour and Market Research	Consumer Behaviour
MGTM-303M	Rural Management	Marketing Research
MGTM-301F	Security Analysis	Security Analysis & Portfolio Management
MGTM-302F	Portfolio Management	Financial Markets and Institutions
MGTM-303F	Financial Markets and Services	Financial Services
MGTM-301S	Supply Chain & Logistic Management	Essentials of Supply Chain Management

MGTM-406M	E-Marketing	Digital Marketing
MGTM-406H	Performance Management	Performance Appraisal and Evaluation
MGTM-405F	Tax Planning and Control	Corporate Tax planning
MGTM-506F	International Finance and Trade	International Finance Management
MGTM-404S	Total Quality Management & Six Sigma	Application of Quality Management

Also, the name of the specialization will be **Marketing, Human Resource, Finance, Production & Operation, International Business Logistic and Supply chain Management.**

3. To consider and approve the Syllabus and Scheme of Examinations of M. Com. from the Academic Session 2022-23 onwards.

Resolved that the Syllabus and Scheme of Examinations for M. Com. Programme may remain with the following changes:

Course Code	Proposed Course Name	Changed Course Name
Specialised Courses		
MJ403	International Financial System	Indian Financial System
MJ414	Supply Chain Management and Logistic	Supply Chain Management
MJ321	Human Resource Development	Performance Appraisal & Evaluation

4. To consider and discuss the Syllabus and Scheme of Examinations of BBA Programme from the Academic Session 2022-23 onwards on the basis of NEP 2020.

Resolved that the BBA Programme will be a 3-years programme. Further, its Syllabus and Scheme of Examinations for six semesters may remain with the following changes:

Course Code	Proposed Course Name	Changed Course Name
MGTB-103	Management Process	Principles of Management
MGTB-105	Fundamental of Accounting	Financial Accounting
MGTB-203	Cost and Management Accounting	Cost Accounting
MGTB-301	Business Mathematics	Financial Management
MGTB-303	Companies Accounts	Management Accounting
MGTB-304	b. Investment Banking & financial Services	Business Mathematics
MGTB-305	Banking and Insurance	Principles of Banking
MGTB-403	Corporate Finance	Indian Economy
MGTB-404	a. Behavioral Finance b. Corporate Financial Reporting: Theory and Practice	a. Security Analysis and Portfolio Management b. Investment Banking
MGTB-501		A new course of AECC from list-I will be introduced of 4 credits and 100 marks
MGTB-502	Management Accounting	Marketing Management
MGTB-503	Theory of International Trade	International Business
MGTB-504	a. Investment Management	a. Material Management
MGTB-505	b. Labour Law	b. Performance Appraisal and Evaluation
MGTB-601	Global Business Environment	Digital Marketing
MGTB-604	a. Indian Economy b. Security Analysis and Portfolio Management	a. Behavioural Finance b. Management Training and Development

5. To consider and discuss the Syllabus and Scheme of Examinations of B.Com. (II) course from the Academic Session 2022-23 onwards on the basis of NEP2020.

Resolved that the B. Com. (II) Programme will be a 3-years programme. Further, its Syllabus and Scheme of Examinations for six semesters may remain with the following changes:

Course Code	Proposed Course Name	Changed Course Name
COM-304	Investment Banking and Financial Services	b. Principles of Banking
COM-305	Banking and Insurance	a. Principles of Marketing
COM-404	a. Financial Analysis and Reporting b. Behavioural Finance	a. Security Analysis and Portfolio Management b. Investment Banking
COM-501		A new course of AIECC from list-I will be introduced of 4 credits and 100 marks
COM-502	Principles of Marketing (COM-501)	Derivative Analysis (COM-502)
COM-504	International Trade theory and Policy (COM-503)	Business Law
COM-603	International Business	Indian Economy
COM-604	a. Security Analysis and Portfolio Management b. Indian Economy	a. Financial Analysis and Reporting b. International Business

6. To consider the strategy for reviving the “Raffles Business Review” the journal of ASOM.

Resolved that the journal of the Alabbar School of Management “Raffles Business Review” should be published till March-2023.

7. To conduct a national conference/seminar by the end of April-2023.

Resolved that the Alabbar School of Management will go for the second national conference in the month of March-April-2023

The meeting ended with a vote of thanks to the Chair.

Name of Members

Designation

Signature

Dr. Manoj Kumar Meel

(Member)



Dr. Khem Chand

(Member)



Prof. (Dr.) Gurendra Nath Bhardwaj

(External Expert)



Prof. (Dr.) Birendra Prasad

(External Expert)



Prof. (Dr.) K. Karthikeyan

(Special Invitee)



Dr. Sanjeev Kumar

(Convener)



**Bachelor of Commerce - Honors (B.Com.-Hons.)
Six Semester (Three Years) Full time Programme**

Course Structure (CBCS)

**Session: 2018-19
Semester-I**

Course No	Course Type	Subject	Credit	Marks			
				LA	MT	ET	Total
Com-101	Ability Enhancement Compulsory Course	Skill Course*	2	40	20	40	100
Com-102	Skill Course	From the list**	4	40	20	40	100
Com-103	Core	Principles of Management	6	40	20	40	100
Com-104	Core	Business Organization and Environment	6	40	20	40	100
Com-105	Core	Principles of Accounting	6	40	20	40	100
Com-106	Core	Fundamental of IT	6	40	20	40	100
Total Credit			30				600

Semester-II

Course No	Course type	Subject	Credit	Marks			
				LA	MT	ET	Total
Com-201	Ability Enhancement Compulsory Course	From the list*	2	40	20	40	100
Com-202	Skill Course	From the list**	4	40	20	40	100
Com-203	Core	Cost Accounting	6	40	20	40	100
Com-204	Core	Business Mathematics	6	40	20	40	100

		and statistics					
Com-205	Core	Computer Application In Business	6	40	20	40	100
Total Credit			24				500

Semester-III

Course No	Course Type	Subject	Credit	Marks			
				LA	MT	ET	Total
Com-301	Language	English Language	2	40	20	40	100
Com-302	Skill Course	From the list**	6	40	20	40	100
Com-303	Core	Business Law	6	40	20	40	100
Com-304	Core	Income Tax law and practice	6	40	20	40	100
Com-305	Core	Business Ethics	6	40	20	40	100
Total Credit			26				500

Semester-IV

Course No	Course type	Subject	Credit	Marks			
				LA	MT	ET	Total
Com-401	Language	Business Communication	4	40	20	40	100
Com-402	Core	E-Commerce	6	40	20	40	100
Com-403	Core	Corporate Accounting	6	40	20	40	100
Com-404	Core	Company Law	6	40	20	40	100

Com-405	Core	Rural Management	6	40	20	40	100
Total			28				500

Semester-V

Course No	Course type	Subject	Credit	Marks			
				LA	MT	ET	Total
Com-501	Discipline Specific Elective	Any one of the following <ul style="list-style-type: none"> • Human Resource Management • Principle of marketing • Auditing and Corporate Governance 	6	40	20	40	100
Com-502	Discipline Specific Elective	Any one of the following <ul style="list-style-type: none"> • Entrepreneurship Development • Small & Medium Enterprise • Indian Financial System 	6	40	20	40	100
Com-503	Core	Financial Management	6	40	20	40	100
Com-504	Core	GST	6	40	20	40	100
Com-505	Generic Elective	Principles of Micro Economics	6	40	20	40	100
Total			30				500

Semester-VI

Course No	Course type	Subject	Credit	Marks			
				LA	MT	ET	Total
Com-601	Discipline Specific Elective	Any one of the following <ul style="list-style-type: none"> • Corporate tax 	6	40	20	40	100

		planning <ul style="list-style-type: none"> • Banking & Insurance • Management Accounting • Credit Analysis 					
Com-602	Discipline Specific Elective	Any one of the following <ul style="list-style-type: none"> • International Business • Office management and secretariat practice • Fundamentals of Investment 	6	40	20	40	100
Com-603	Core	Personal selling and salesmanship	6	40	20	40	100
Com-604	Generic Electives	Indian Economy	6	40	20	40	100
Com-605	Skill	Project Report and viva – voce/Dissertation	4				100
Total			28				500

Total credits - 166

***From the list**

- Environment Studies
- Hindi Language
- English language
- Modern Language

****From the list**

- Constitution of Indian and Human Rights
- Disaster management
- Cyber Phenomenon & Law
- Japanese Language
- Small projects
- Investment Banking & Financial Services

**Bachelor of Business Administration (B.B.A.)
Six Semester (Three Years) Full time Programme
Course Structure (CBCS)**

**Session: 2018-19
Semester-I**

Course No	Course Type	Subject	Credit	Marks			
				LA	MT	ET	Total
MGTB- 101	Ability Enhancement Compulsory Course	From the list*	2	40	20	40	100
MGTB- 102	Skill Course	From the list**	4	40	20	40	100
MGTB- 103	Core	Management process	4	40	20	40	100
MGTB- 104	Core	Business Organization and Environment	4	40	20	40	100
MGTB- 105	Core	Principles of Accounting	4	40	20	40	100
MGTB-106	Core	Business Mathematics	4	40	20	40	100
MGTB- 107	Core	Fundamentals of Computers	4	40	20	40	100
Total Credit			26				700

Semester-II

Course No	Course Type	Subject	Credit	Marks			
				LA	MT	ET	Total
MGTB-201	Ability Enhancement Compulsory Course	From the list*	2	40	20	40	100
MGTB- 202	Skill Course	From the list**	4	40	20	40	100
MGTB- 203	Core	Business statistics	4	40	20	40	100
MGTB- 204	Core	Business Organization and Environment	4	40	20	40	100

MGTB- 205	Core	Organization Behavior	4	40	20	40	100
MGTB-206	Core	Production Management	4	40	20	40	100
MGTB- 207	Core	Cost Accounting	4	40	20	40	100
Total Credit			26				700

Semester-III

Course No	Course Type	Subject	Credit	Marks			
				LA	MT	ET	Total
MGTB-301	Language	English	2				
MGTB-301	Skill Course	From the list**	4	40	20	40	100
MGTB-301	Core	Corporate Accounting	4	40	20	40	100
MGTB-301	Core	Human Resource Management	4	40	20	40	100
MGTB-301	Core	Operation Research	4	40	20	40	100
MGTB-301	Core	Rural Management	4	40	20	40	100
MGTB-301	Core	Business Economics	4	40	20	40	100
Total Credit			26				600

Semester-IV

Course No	Course Type	Subject	Credit	Marks			
				LA	MT	ET	Total
MGTB- 401	Language	English Language	2				
MGTB-402	Skill Course	Japanese	4	40	20	40	100
MGTB- 403	Core	Business Research Methods	4	40	20	40	100
MGTB- 404	Core	Marketing Management	4	40	20	40	100
MGTB- 405	Core	Operation Management	4	40	20	40	100
MGTB- 406	Core	Banking Regulations & Operations	4	40	20	40	100
MGTB-407	Core	Project Management	4	40	20	40	100
Total Credit			26				600

Semester-V

Course No	Course Type	Subject	Credit	Marks			
				LA	MT	ET	Total
MGTB- 501	Discipline Specific Elective	Choose any one of the following <ul style="list-style-type: none"> • Financial markets & services • International Finance • Credit Analysis 	4	40	20	40	100
MGTB- 502	Core	Entrepreneurial Management	4	40	20	40	100
MGTB- 503	Core	Computer Applications in Management	4	40	20	40	100
MGTB- 504	Core	Investment Management	4	40	20	40	100
MGTB- 505	Core	Management Accounting	4	40	20	40	100
MGTB-506	Core	Business Regulations	4	40	20	40	100
MGTB- 507	Generic Elective	Summer Internship & Project	4				100
Total Credit			28				700

Semester-VI

Course No	Course Type	Subject	Credit	Marks			
				LA	MT	ET	Total
MGTB- 601	Discipline Specific Elective	Choose any one of the following <ul style="list-style-type: none"> • Consumer Behavior • Advertising & media management • Brand management • Retail Management 	4	40	20	40	100
MGTB- 602	Discipline Specific Elective	Choose any one of the following <ul style="list-style-type: none"> • Employee Welfare & Social Security • Strategic HRM • Organizational 	4	40	20	40	100

		change & Development • Compensation Management					
MGTB- 603	Core	International Business	4	40	20	40	100
MGTB- 604	Core	E- Business	4	40	20	40	100
MGTB- 605	Core	Direct Tax	4	40	20	40	100
MGTB-606	Generic	Strategic Management	4	40	20	40	100
MGTB- 607	Generic Elective	Project Report viva voce/ Dissertation	4				100
Total Credit			28				700

***From the list**

- Environment Studies
- Hindi Language
- English language
- Modern Language

****From the list**

- Constitution of Indian and Human Rights
- HRM with reference to legal, scientific & management
- Disaster management
- Cyber Phenomenon & Law
- Japanese Language
- Health Engineering, Management & Law
- Small Projects
- **Investment Banking and Financial Services**

**Master of Business Administration (M.B.A.)
Four Semester (Two Years) Full time Programme**

**Course Structure
Session: 2018-19**

Semester-I

Paper Code	Name of Subject	Lecture Hours	Tutorial/ Guest Lecture/ Industrial Visit/ Workshop/ Seminars- hours	Total Hours/ Semester	Credits
MGTM-101	Principles of Management	45	15	60	4
MGTM-102	Managerial Economics	45	15	60	4
MGTM-103	Accounting for Managers	45	15	60	4
MGTM-104	Business Communication	45	15	60	4
MGTM-105	Information Technology for Managers	45	15	60	4
MGTM-106	Statistics and Quantitative Techniques	45	15	60	4
MGTM-107	Organizational Behaviour	45	15	60	4
Total credits for Semester I					28

Semester-II

Paper Code	Name of Subject	Lecture Hours	Tutorial/ Guest Lecture/ Industrial Visit/ Workshop/ Seminars- hours	Total Hours/ Semester	Credits
MGTM-201	Business Environment	45	15	60	4
MGTM-202	Research Methodology	45	15	60	4
MGTM-203	Human Resource Management	45	15	60	4
MGTM-204	Financial Management	45	15	60	4
MGTM-205	Marketing Management	45	15	60	4

MGTM-206	Production & Operations Management	45	15	60	4
MGTM-207	International Business	45	15	60	4
Total credits for Semester II					28

Semester-III

Paper Code	Name of Subject	Lecture Hours	Tutorial/ Guest Lecture/ Industrial Visit/ Workshop/ Seminars- hours	Total Hours/ Semester	Credits
MGTM-301	Management Information System	45	15	60	4
MGTM-302	Legal Regulatory Frame Work for Business	45	15	60	4
MGTM-303	Corporate Strategy	45	15	60	4
MGTM-304	Elective-I	45	15	60	4
MGTM-305	Elective-II	45	15	60	4
MGTM-306	Elective-III	45	15	60	4
MGTM-307	Summer Internship & Project Evaluation	45	15	60	4
Total credits for Semester III					28

Specialization electives:

Specialization Area	Elective No.	Specialization paper
Marketing Management	Elective-I	Retail Management
	Elective-II	Consumer Behaviour & Market Research
	Elective-III	Rural Management
Human Resource Management	Elective-I	Human Resource Planning & Development
	Elective-II	Management Training & Development
	Elective-III	Compensation Management
Financial Management	Elective-I	Security Analysis
	Elective-II	Portfolio Management
	Elective-III	Financial Markets & Services
Production & Operations Management	Elective-I	Supply Chain & Logistics Management
	Elective-II	Procurement Management
	Elective-III	Material Management

International Business Management	Elective-I	International Economics
	Elective-II	International Business Laws
	Elective-III	International Marketing

Semester-IV

Paper Code	Name of Subject	Lecture Hours	Tutorial/ Guest Lecture/ Industrial Visit/ Workshop/ Seminars- hours	Total Hours/ Semester	Credits
MGTM-401	Business Planning & Project Management	45	15	60	4
MGTM-402	Entrepreneurship	45	15	60	4
MGTM-403	Business Ethics	45	15	60	4
MGTM-404	Elective-IV	45	15	60	4
MGTM-405	Elective-V	45	15	60	4
MGTM-406	Elective-VI	45	15	60	4
MGTM-407	Major Research Project	45	15	60	4
Total credits for Semester IV					28

Total credits - 112

Specialization electives:

Specialization Area	Elective No.	Specialization paper
Marketing Management	Elective-IV	Sales & Distribution Management
	Elective-V	International Branding Management
	Elective-VI	E-marketing
Human Resource Management	Elective-IV	Labour Laws
	Elective-V	Industrial Relations
	Elective-VI	Performance Management
Financial Management	Elective-IV	Derivatives Analysis and Valuation
	Elective-V	Tax Planning and Control
	Elective-VI	International Finance and Trade
Production & Operations Management	Elective-IV	Total Quality Management & Six Sigma
	Elective-V	Operation Research
	Elective-VI	Enterprise Resource Planning
International Business Management	Elective-IV	Global Brand Strategy
	Elective-V	International Finance
	Elective-VI	Export Import Procedures & Documentation (one unit trade theory be added)

From batch 2014-2016 ASM is abolishing specialization choices from Major + minor to –
Core-Specialization: - Includes 3 papers of chosen elective in 3rd and 4th Semesters respectively and

Dual-Specialization: - Includes 2+2 papers of each elective in 3rd and 4th semesters respectively.

MASTER OF BUSINESS ADMINISTRATION (MBA)
(Dual Specialisation)
(Four Semester - Two Years Full Time Programme)
(For the session 2022-23 onwards)

Management education provides a manager with tools and skills needed to identify new opportunities for organizational success. Management programs are designed to make one aware of different approaches that have traditionally helped in managing organizations. They aim to enable students understand the fundamentals of business; equip them with analytical skills which will help them take decisions in the dynamic and ever-changing environment. Alabbar School of management has reached out to managers in the financial sector, and industrialists to understand their expectations of an MBA graduate. Keeping their expectations and with the help of academicians, an exclusive MBA course has been designed by School which can help students to face challenges in the real world today.

Description of the Course

The two-year Master of Business Administration (MBA) with specialization in Marketing, Human Resource, Finance, Production & Operations, International Business, and Supply Chain, is a full-time program, spread over four semesters.

Total courses to be cleared by a candidate:

Type of courses	No. of Courses for Dual-Specialization
Core course	18
Specialization Course	08
Skill Course	02
Summer Internship & Project Report & Viva Voce	01
Research Project and Viva Voce	01
Total Credit	$18*4+8*4+2*4+4+6=122$

Definition of the Programme

The Programme is a postgraduate fulltime Programmes on successful completion of a Postgraduate programme degree titled Master of Business Administration will be awarded. The number of seats available for the Programme will be revealed at the time of admission.

Medium of Instruction

The medium of instruction will be English.

Duration of the Programme

Duration of the Programme shall be **two years/ 4 Semesters**. Each year will comprise of two Semesters. Each Semester shall normally have 90 instructional days.

Admission, Eligibility to the Programme

Candidate having minimum three-year Bachelor's Degree from a recognized University and fulfil the AICTE norms.

Candidate who has appeared in the final year of the qualifying Examination, whose result is awaited, will be admitted provisionally by paying requisite fee for admission as per fee Schedule. Such candidate should produce their result by a cut-off date indicated at the time of admission failing which their admission will be cancelled.

Regular admission will be done strictly on merit basis through an open counselling conducted by the University. MAT/CAT/C-MAT Scores or any other common entrance Exam or the entrance test conducted by the University may be considered as merit for admission.

Candidates should verify the requisite qualification and eligibility criteria before applying for admission. In case the total admitted candidates to the Programme are less than 10% of number of seats declared available for the Programme at the time of admission, the University through its Academic Council reserves the right to cancel all the admissions to the Programme and discontinue the programme. Candidate has to be declared medically fit by a Resident Medical Officer (RMO) and should attach a fitness certificate along with the application form.

COURSE STRUCTURE OF TEACHING & EVALUATION (MBA)

MBA: Semester-I

SN	Paper Code	Course Title	Periods			Evaluation Scheme					Credits
			L	T	P	Sessional Exams			ETE	Total	
						MT	TA	Total			
1	MGTM-101	Principles of Management	4	0	0	20	40	60	40	100	4
2	MGTM-102	Managerial Economics	4	0	0	20	40	60	40	100	4
3	MGTM-103	Accounting for Managers	4	0	0	20	40	60	40	100	4
4	MGTM-104	Business Communication	4	0	0	20	40	60	40	100	4
5	MGTM-105	Information Technology for Managers	3	0	2	20	40	60	40	100	4
6	MGTM-106	Quantitative Techniques for Managers	4	0	0	20	40	60	40	100	4
7	MGTM-107	Organizational Behaviour	4	0	0	20	40	60	40	100	4
Total										700	28

MBA: Semester-II

SN	Paper Code	Course Title	Periods			Evaluation Scheme					Credits
			L	T	P	Sessional Exams			ETE	Total	
						MT	TA	Total			

1	MGTM-201	Business Environment	4	0	0	20	40	60	40	100	4
2	MGTM-202	Research Methodology	4	0	0	20	40	60	40	100	4
3	MGTM-203	Human Resource Management	4	0	0	20	40	60	40	100	4
4	MGTM-204	Corporate Finance	4	0	0	20	40	60	40	100	4
5	MGTM-205	Marketing Management	4	0		20	40	60	40	100	4
6	MGTM-206	Operations Management	4	0	0	20	40	60	40	100	4
7	MGTM-207	International Business	4	0	0	20	40	60	40	100	4
Total										700	28

MBA: Semester-III

SN	Paper Code	Course Title	Periods			Evaluation Scheme					Credits
			L	T	P	Sessional Exams			ETE	Total	
						MT	TA	Total			
1	MGTM-301	Management Information System	4	0	0	20	40	60	40	100	4
2	MGTM-302	Legal Aspects of Business	4	0	0	20	40	60	40	100	4
3	MGTM-303	Business Strategy	4	0	0	20	40	60	40	100	4
4		Elective-I (Specialization-I)	4	0	0	20	40	60	40	100	4
5		Elective-II (Specialization-I)	4	0	0	20	40	60	40	100	4
6		Elective-III (Specialization-II)	4	0	0	20	40	60	40	100	4
7		Elective-IV (Specialization-II)	4	0	0	20	40	60	40	100	4
8	MGTM-304	Summer Internship/Project (PAP/PCP)							100	100	4
Total										800	32

MBA: Semester-IV

SN	Paper Code	Course Title	Periods			Evaluation Scheme					Credits
			L	T	P	Sessional Exams			ETE	Total	
						MT	TA	Total			
1	MGTM-401	Project Management	4	0	0	20	40	60	40	100	4
2	MGTM-402	Entrepreneurship	4	0	0	20	40	60	40	100	4

3	MGTM-403	Business Ethics	4	0	0	20	40	60	40	100	4
4		Elective-V (Specialization-I)	4	0	0	20	40	60	40	100	4
5		Elective-VI (Specialization-I)	4	0	0	20	40	60	40	100	4
6		Elective-VII (Specialization-II)	4	0	0	20	40	60	40	100	4
7		Elective-VII (Specialization-II)	4	0	0	20	40	60	40	100	4
8	MGTM-404	Research Project and Viva Voce	4	0	0				100	100	6
Total											34

Total credit = 122

Specialization electives for III semester:

Specialization Area	Elective	Specialization paper
Marketing	MGTM-301M	Retail Management
	MGTM-302M	Consumer Behaviour
	MGTM-303M	Marketing Research
Human Resource	MGTM-301H	Human Resource Planning & Development
	MGTM-302H	Compensation Management
	MGTM-303H	Management Training & Development
Finance	MGTM-301F	Security Analysis & Portfolio Management
	MGTM-302F	Financial Markets and Institutions
	MGTM-303F	Financial Services
Production & Operations	MGTM-301P	Production and Operation Management
	MGTM-302P	Procurement Management
	MGTM-303P	Material Management
International Business	MGTM-301I	International Economics
	MGTM-302I	International Business Laws
	MGTM-303I	International Marketing
Logistics & Supply Chain Management	MGTM-301S	Essentials of Supply Chain Management
	MGTM-302S	Procurement Management
	MGTM-303S	Service Operations Management

Specialization electives for IV Semester:

Specialization Area	Elective	Specialization paper
Marketing	MGTM-404M	Sales & Distribution Management
	MGTM-405M	Brand Management
	MGTM-406M	Digital Marketing
Human Resource	MGTM-404H	Labour Law
	MGTM-405H	Industrial Relations

	MGTM-406H	Performance Appraisal and Evaluation
Finance	MGTM-404F	Financial Derivatives and Risk Management
	MGTM-405F	Corporate Tax Planning
	MGTM-406F	International Finance Management
Production & Operations	MGTM-404P	Total Quality Management & Six Sigma
	MGTM-405P	Process Management and Consultancy
	MGTM-406P	Enterprise Resource Planning
International Business	MGTM-404I	Global Brand Strategy
	MGTM-405I	International Business Operations and Logistics
	MGTM-406I	Export Import Procedures & Documentation
Logistics & Supply Chain Management	MGTM-404S	Application of Quality Management
	MGTM-405S	Process Management & Consultancy
	MGTM-406S	Big Data Analytics

Dual-Specialization: - Includes 2 papers of each elective (Two Electives) in 3rd and 4th semesters respectively.

Raffles University, Neemrana

School of Humanities and Social Sciences

Bachelor of Arts(B.A.)
(For the Session 2020-2023)

First Semester

Core Discipline

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
CC1A	Core Discipline	English Literature- Poetry & Short Stories	06				

Compulsory Subjects

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
GENG-I	Ability Enhancement(Compulsory)	General English-1	02				
ENSC	Ability Enhancement(Compulsory)	Environmental Studies	04				

Elective Subject (Any Two)

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
Eco101/SOC-101/Psy-101/PS-101	Elective	Micro Economics /Introduction to Sociology/ Introduction to Psychology/ Introduction to Political Science	06				

Second Semester

Core Discipline

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
CC1B	Core Discipline	British Poetry, Prose and Drama from 16 th to 18 th Century	06				

Compulsory Subjects

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
GENG-II	Ability Enhancement(Compulsory)	General English-1	02				

Elective Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
Eco201/SOC-201/Psy-201/PS-201	Elective	Macro Economics /Basic Concepts of Sociology/ Introduction to Social Psychology/ Indian Government and Politics	06				

Third Semester

Core Discipline

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
CC1C	Core Discipline	English Literature- Contemporary India(Women Empowerment)	06				

Elective Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
Eco301/SOC-301/Psy-301/PS-301	Elective	Public Finance and International Economics/Classical Sociological Theories/ Understanding psychological Distress and well being/ International Relations	06				

Fourth Semester

Core Discipline

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
CC1D	Core Discipline	British Poetry and Drama from 19 th to 20 th Century	06				

Elective Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
Eco401/SOC-401/Psy-401/PS-401	Elective(any two)	Indian Economics /Indian social Problems/Statistical Methods and Psychological Methods/Principles of Public Administration and Governance	06				

Compulsory Subject

Subject Code	Course Type	Subject	Credits	Marks 1A	MT	ET	Total
SEC401B	Ability Enhancement(Compulsory)	Fundamental of Information Technology	02	20	20	60	100

Elective Subject

Fifth Semester

Core Discipline

Subject Code	Course Type	Subject	Credits	Marks			
				1A	MT	ET	Total
DSE1A	Core Discipline	Indian English Literature	06	20	20	60	100

Compulsory Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A	MT	ET	Total
SEC-501	Compulsory	Ethics and Human Values	02	20	20	60	100

Elective Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A	MT	ET	Total
SOC-501/Psy-501/PS-501/ECO-501	Elective	Classical Sociological Theories/ Psychology of leaving /Western Political	06	20	20	60	100

		Thought/Statistics					
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Sixth Semester

Core Discipline

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
DSE2A	Core Discipline	Literary and Critical Movements, Critical Terms and Practical Criticism	06				

Compulsory Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
DSOH	Dissertation	Inter Disciplinary Topics	02				

Elective Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
SOC-601/Psy-601/PS-601/ECO-601	Elective (any two)	/Introduction to Research Methodology /PSYCHOLOGY OF GENDER, SELF AND PERSONAL GROWTH /Contemporary Model of Government/	06				

		Developmental Psychology					
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Raffles University, Neemrana

School of Humanities and Social Sciences

Bachelor of Arts (B.A.)(General)
(For the Session 2021-2024)

First Semester

Core Discipline

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
PS-101	Core Discipline	Principles of Political Science	06				
ENG-101	Core Discipline	English Literature- Poetry & Short Stories	06				

Compulsory Subjects

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
AE101	Ability Enhancement(Compulsory)	General English-1	02				
AE102	Ability Enhancement(Compulsory)	Environmental Studies	02				

Elective Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
SOC-101/ECO-101/GE0-101	Elective	Introduction to Sociology/ Micro Economics/Physical Geography	06				

Second Semester

Core Discipline

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
PS-201	Core Discipline	Principles of Public Administration and Governance	06				
ENG-201	Core Discipline	British Poetry, Prose and Drama from 16 th to 18 th Century	06				

Compulsory Subjects

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
AE-201	Ability Enhancement(Compulsory)	General English-1	02				
AE-202	Ability Enhancement(Compulsory)	Environmental Studies	02				

Elective Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
SOC-201/EC0-201/ GEO-201	Elective	Sociology of Indian Society/ Macro Economics/Human Geography	06				

Third Semester

Core Discipline

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
PS-301	Core Discipline	International Relations	06				
ENG-301	Core Discipline	British Prose and Novel from 19 th to 20 th Century	06				

Compulsory Subject

Subject Code	Course Type	Subject	Credits	Marks 1A	MT	ET	Total
AE-301	Ability Enhancement(Compulsory)	Art of Communication	02	20	20	60	100
AE-302	Ability Enhancement(Compulsory)	Fundamentals of Computers	02				

Elective Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
SOC-301/ECO-301/ GEO-301	Elective	Classical Sociological Theory/ Public Finance and International Economics/ Geography of India	06				

Fourth Semester

Core Discipline

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
PS-401	Core Discipline	Contemporary Models of Government	06				
ENG-401	Core Discipline	British Poetry and Drama from 19 th to 20 th Century	06				

Compulsory Subject

Subject Code	Course Type	Subject	Credits	Marks 1A	MT	ET	Total
AE-401	Ability Enhancement(Compulsory)	Art of Communication-1	02	20	20	60	100
AE-402	Ability Enhancement(Compulsory)	Fundamental of Computers-1	02				

Elective Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
SOC-401/EC0-401/ GEO-401	Elective	Indian Social Problems/ Indian Economy/ Ecology and Environment	06				

Fifth Semester

Core Discipline

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
PS-501	Core Discipline	Western Political Thought	04				
ENG-501	Core Discipline	Indian English Literature	04				
ECO-501/SOC-501/ GEO-501	Core Discipline	Statistics/ Classical Sociological Theories/ Disaster Management	04				
RM-501	Core Discipline	Research Methodology	04				

Compulsory Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
AE-501	Compulsory	Ethics and Human Values	02				

Sixth Semester

Core Discipline

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
PS-601	Core Discipline	Indian Social and Political Thinkers	04				
ENG-601	Core Discipline	Literary and Critical Movements, Critical Terms and Practical Criticism	04				
SOC-601/ECO-601/ GEO-601	Core Discipline	Mathematical Economics/Classical Sociological Thinkers/ Sustainable Development	04				
DSOHSS	Core Discipline	Dissertation (Inter-disciplinary topic)	04				

Compulsory Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A 20	MT 20	ET 60	Total 100
AE-601	Compulsory	Gender Studies	02				



RAFFLES
UNIVERSITY

Raffles University, Neemrana

School of Humanities and Social Sciences

Bachelor of Arts (B.A.)(General)
(For the Session 2022-2025)

Total Credit: 126

First Semester

Core Discipline

Subject Code	Course Type	Subject	Credits	Marks			
				1A	MT	ET	Total
				20	20	60	100
PS-101	Core Discipline	Principles of Political Science	06				
ENG-101	Core Discipline	English Literature- Poetry & Short Stories	06				

Compulsory Subjects

Subject Code	Course Type	Subject	Credits	Marks			
				1A	MT	ET	Total
				20	20	60	100
AE101	Ability Enhancement(Compulsory)	General English-1	02				
AE102	Ability Enhancement(Compulsory)	Environmental Studies	02				

Elective Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A	MT	ET	Total
SOC-101/ECO-101	Elective	Introduction to Sociology/ Micro Economics	06				

Second Semester

Core Discipline

Subject Code	Course Type	Subject	Credits	Marks			
				1A	MT	ET	Total
				20	20	60	100
PS-201	Core Discipline	Principles of Public Administration and Governance	06				
ENG-201	Core Discipline	British Poetry, Prose and Drama from 16 th to 18 th Century	06				

Compulsory Subjects

Subject Code	Course Type	Subject	Credits	Marks			
				1A	MT	ET	Total
				20	20	60	100
AE-201	Ability Enhancement(Compulsory)	General English-1	02				
AE-202	Ability Enhancement(Compulsory)	Environmental Studies	02				

Elective Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A	MT	ET	Total
				20	20	60	100

SOC-201/EC0-201	Elective	Principle(s) Sociology/ Macro Economics	of	06				
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Third Semester

Core Discipline

Subject Code	Course Type	Subject	Credits	Marks			
				1A	MT	ET	Total
				20	20	60	100
PS-301	Core Discipline	International Relations	06				
ENG-301	Core Discipline	British Prose and Novel from 19 th to 20 th Century	06				

Compulsory Subject

Subject Code	Course Type	Subject	Credits	Marks	MT	ET	Total
				1A			
AE-301	Ability Enhancement(Compulsory)	Art of Communication	02	20	20	60	100
AE-302	Ability Enhancement(Compulsory)	Fundamentals of Computers	02				

Elective Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A	MT	ET	Total
				20	20	60	100

SOC-301/ECO-301	Elective	Classical Sociological Theory/ Public Finance and International Economics	06				
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Fourth Semester

Core Discipline

Subject Code	Course Type	Subject	Credits	Marks			
				1A	MT	ET	Total
				20	20	60	100
PS-401	Core Discipline	Major Constitution(s)	06				
ENG-401	Core Discipline	British Poetry and Drama from 19 th to 20 th Century	06				

Compulsory Subject

Subject Code	Course Type	Subject	Credits	Marks 1A	MT	ET	Total
AE-401	Ability Enhancement(Compulsory)	Art of Communication-1	02	20	20	60	100
AE-402	Ability Enhancement(Compulsory)	Fundamental of Computers-1	02				

Elective Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A	MT	ET	Total
				20	20	60	100

SOC-401/EC0-401	Elective	Indian Social Problems/ Indian Economy	06				
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Fifth Semester

Core Discipline

Subject Code	Course Type	Subject	Credits	Marks			
				1A	MT	ET	Total
				20	20	60	100
PS-501	Core Discipline	Western Political Thought	04				
ENG-501	Core Discipline	Indian English Literature	04				
ECO-501/SOC-501	Core Discipline	Statistics/ Classical Sociological Theories	04				
RM-501	Core Discipline	Research Methodology	04				

Compulsory Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A	MT	ET	Total
				20	20	60	100
AE-501	Compulsory	Ethics and Human Values	02				

Sixth Semester

Core Discipline

Subject Code	Course Type	Subject	Credits	Marks			
				1A	MT	ET	Total
				20	20	60	100
PS-601	Core Discipline	Indian Social and Political Thinkers	04				
ENG-601	Core Discipline	Literary and Critical Movements, Critical Terms and Practical Criticism	04				
SOC-601/ECO-601	Core Discipline	Mathematical Economics/Classical Sociological Thinkers	04				
DSOHSS	Core Discipline	Dissertation (Inter-disciplinary topic)	04				

Compulsory Subject

Subject Code	Course Type	Subject	Credits	Marks			
				1A	MT	ET	Total
				20	20	60	100
AE-601	Compulsory	Gender Studies	02				