3rd Semester

Sl.No.	Course Type	Course Title	Course Code	Teaching Dept.	L	T	P	Credits	CIE	SEE	Total
1	BSC	Applied Mathematics -III	MC201	BS	3	2	0	4	50	50	100
2	PCC	Data Structure and Applications	AI202	AIML	3	0	0	3	50	50	100
3	PCCL	Data Structure and Application Lab	AI203	AIML	0	0	2	1	50	50	100
4	PCC	Operating System	AI204	AIML	3	2	0	4	50	50	100
5	PCCL	Operating System Lab	AI205	AIML	0	0	2	1	50	50	100
6	IPCC	Principles of Artificial Intelligence	AI206	AIML	2	0	2	3	50	50	100
7	ESC	Engineering Science Course	AI22X	AIML	3	0	0	3	50	50	100
8	BSC	Biology for Engineers	BG207	BS	2	0	0	2	50	50	100
9	NCMC	NSS – Phase 1	NS208	NSS	0	2	0	0	50	0	50
		Physical Education (PE) (Sports and Athletics) – Phase 1	PE208	PED							
		Yoga for a Better Life - Phase 1	YG208	Yoga							
10	NCMC	Additional Mathematics	DM209	BS	2	0	0	0	50	50	100
					18	6	6	21	500	450	950

IBSC: Integrated Basic Science Course, **PCC:** Professional Core Course, **PCCL:** Professional Core Course laboratory, **IPCC :** Integrated Professional Core Course, **ESC:** Engineering Science Course, **IESC:** Integrated Engineering Science Course, IPEC, **HSMC:** Humanity and Social Science & Management Course, **AEC:** Ability Enhancement Course, **UHV:** Universal Human Value Course, **IPEC:** Integrated Professional Elective Course, **IOEC:** Integrated Open Elective Course, **CER :** Certification Course, **PROJ:**Project, **INT:** Internship, **NCMC:** Non-Credit Mandatory Course

L: Lecture, **T:** Tutorial, **P:** Practical,

CIE: Continuous Internal Evaluation, **SEE:** Semester End Evaluation,

In **IPCC** courses, practical components shall be included, but not limited to the few experiments. IPCC courses shall have list few practice experiments and open ended experiment based on the concepts coverd in the course. The expected outcome is students have to do the guided project related to the course.

National Service Scheme /Physical Education/Yoga: All students have to register for any one of the courses namely National Service Scheme (NSS), Physical Education (PE) (Sports and Athletics)**, and Yoga (YG)** with the concerned coordinator of the course during the III semester. Activities shall be carried out between III semesters to the IV semester (for 2 semesters). Successful completion of the registered course and requisite **CIE score is mandatory for the award of the degree**. The events shall be appropriately scheduled by the colleges and the same shall be reflected in the calendar prepared for the NSS, PE, and Yoga activities. These courses shall not be considered for vertical progression as well as for the calculation of SGPA and CGPA, but completion of the course is mandatory for the award of degree.

ESC

Sl.No.	Course Title	Course Code
1	Object Oriented Programming with C++	AI221
2	Unix Shell Programming	AI222
3	Introduction to Data Science	AI223