Sanjay Ghodawat University Kolhapur

School of Engineering and Technology

Department of Artificial Intelligence and Machine Learning

B. Tech. Artificial Intelligence and Machine Learning

Curriculum Structure (R25)

Semester: I-VIII

Batch: 2025-29

Programme Structure for B. Tech. :First Year Artificial Intelligence and Machine Learning(R25)

Semester I: Teaching Scheme

Course Code	Course Name	Teaching Scheme (Hrs/week)			Credits Assigned			
		Th	Pr	Tu	Th	Pr	Tu	Total credits
USTBS101	Linear Algebra	3	-	1	3	-	1	4
USTBS001	Modern Physics	3	-	-	3	-	-	3
USTES003	Design Thinking	2	-	-	2	-	-	2
USTVE004	Environmental Science and Sustainability	2	-	-	2	-	-	2
USTBS002	Modern Physics Lab	-	2	-	-	1	-	1
USTES004	Design Thinking Lab	-	2	-	-	1	-	1
USTIK002	Ancient Indian Logic of Computer Science and Engineering	2*	-	-	2	-	-	2
USTVS103	C++ Programming	-	4	-	-	2	-	2
UISCC0XX	Co-curricular Courses I	-	4	-	-	2	-	2
UHSVE001	Constitution of India	2	-	-	2	-	-	2
UHSVE002	Universal Human Values #	-	-	-				Audit Course
	Total	**14**	**12**	**1**	**14**	**6**	**1**	**21**

- During the Induction Program, students would get an initial exposure to human values through Universal Human Values
- C Programming course of 8 hours shall be conducted as bridge course before starting of C++ Programming in curriculum

Semester I: Evaluation Scheme

Course Code	Course Name	Theory Marks					Practical Marks		Total
		Internal Assessment				SEE	Term work/ Tutorial	Practical Oral/POE	
		T1	T2	FET	Total				
USTBS101	Linear Algebra	10	10	5	25	50	25	-	100
USTBS001	Modern Physics	10	10	5	25	50	-	-	75
USTES003	Design Thinking	-	10	5	15	35	-	-	50
USTVE004	Environmental Science and Sustainability	-	10	5	15	35	-	-	50
USTBS002	Modern Physics Lab	-	-	-	-	-	25	-	25
USTES004	Design Thinking Lab	-	-	-	-	-	25	-	25
USTIK002	Ancient Indian Logic of Computer Science and Engineering	-	10	5	15	35	-	-	50
USTVS103	C++ Programming	-	-	-	-	-	50	-	50
UISCC0XX	Co-curricular Courses I	-	-	-	-	-	50	-	50
UHSVE001	Constitution of India	-	10	5	15	35	-	-	50
UHSVE002	Universal Human Values#	-	-	-	-	-	-	-	Audit Course
								Total	525

- Minimum passing is 40% for all courses and evaluation head mentioned above. FET – Faculty evaluation for Theory, T1, T2,ContinuousAssessmentTest,TermWork,SEE-SemesterEndExamination,P/F–Pass/FailCourse, AU – Audit Course

Semester II: Teaching Scheme

Course Code	Course Name	Teaching Scheme (Hrs/week)			Credits Assigned			
		Th	Pr	Tu	Th	Pr	Tu	Total Credits
USTBS203	Calculus and Probability	3	-	1	3	-	1	4
USTBS003	Applied Chemistry	3	-	-	3	-	-	3
USTES001	Digital Electronics	3	-	-	3	-	-	3
UAIPC201	Web Designing	2	-	-	2	-	-	2
USTBS004	Applied Chemistry Lab	-	2	-	-	1	-	1
USTES002	Digital Electronics Lab	-	2	-	-	1	-	1
UAIPC202	Web Designing Lab	-	2	-	-	1	-	1
UAIPC203	Digital Literacy and AI Applications	-	4	-	-	2	-	2
UHSAE001	Professional Communication	1	2	-	1	1	-	2
USTVS205	Python Programming	-	4	-	-	2	-	2
UISCC0XX	Co-curricular courses II	-	4	-	-	2	-	2
	Total	**12**	**20**	**1**	**12**	**10**	**1**	**23**

Semester II: Evaluation Scheme

Course Code	Course Name	Theory Marks					Practical Marks		Total
		Internal Assessment				SEE	Term work/ Tutorial	Practical Oral/POE	
		T1	T2	FET	Total				
USTBS203	Calculus and Probability	10	10	5	25	50	25	-	100
USTBS003	Applied Chemistry	10	10	5	25	50	-	-	75
USTES001	Digital Electronics	10	10	5	25	50	-	-	75
UAIPC201	Web Designing	-	10	5	15	35	-	-	50
USTBS004	Applied Chemistry Lab	-	-	-	-	-	25	-	25
USTES002	Digital Electronics Lab	-	-	-	-	-	25	-	25
UAIPC202	Web Designing Lab	-	-	-	-	-	25	-	25
UAIPC203	Digital Literacy and AI Applications	-	-	-	-	-	50	-	50
UHSAE001	Professional Communication	-	10	5	15	35	-	-	50
USTVS205	Python Programming	-	-	-	-	-	50	-	50
UISCC0XX	Co-curricular courses II	-	-	-	-	-	50	-	50
								Total	575

- **Minimum passing is 40% for all courses and evaluation head mentioned above. FET – FET– Faculty evaluation for Theory, T1, T2, Continuous Assessment Test, Term Work, SEE - Semester End Examination, P/F – Pass/ Fail Course, AU – Audit Course**

Co-curricular courses I&II	
Course Code	**Course Name**
UISCC011	Introduction to National Service Scheme
UISCC012	Regular & Special Camp Activity
UISCC021	Indian Music
UISCC022	Fine Arts
UISCC023	Indian Dance
UISCC031	Physical Fitness
UISCC032	Yoga& Meditation

Exit Option:

- Students will have the flexibility to enter a programme in odd semesters and exit a programme after the successful completion of even semesters as per their future career needs. Students exiting the First-Year program after securing minimum 40 credits will be awarded UG Certificate in the relevant Discipline /Subject provided they secure 8 credits in work-based vocational courses or internship / Apprenticeship offered during summer vacation in addition to 8 credits from skill-based courses earned during the first and second semester.

Semester III: Teaching Scheme

Course code	Course Name	Teaching scheme(Hrs/week)			Credits assigned			Total credits
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
UAIPC301	Computer Organization and Architecture	3	-	-	3	-	-	3
UAIPC302	Data structure using python	3	-	-	3	-	-	3
UAIPC303	Introduction to AI and Generative AI	3	-	-	3	-	-	3
UXXMM0XX	Multidisciplinary Minor I	2	-	-	2	-	-	2
UXXOE01X	Open Elective I	2	-	-	2	-	-	2
UCMEM001	Engineering Economics	2	-	-	2	-	-	2
UAIPC304	Data structure using python Lab	-	2	-	-	1	-	1
UAIPC305	Introduction to AI and Generative AI Lab	-	2	-	-	1	-	1
UAIPC306	Object Oriented Programming using JAVA	-	4	-	-	2	-	2
UAIVE003	Advanced Web Designing Lab	-	4	-	-	2	-	2
UAIFP301	Field Project I		4	-	-	2	-	2
Total		15	16	-	15	8	-	23

Semester III: Evaluation Scheme

Course code	Course Name	Theory Marks					Practical Marks		Total
		Internal Assessment				SEE	Term work	Practical Oral/POE	
		T1	T2	FET	Total				
UAIPC301	Computer Organization and Architecture	10	10	5	25	50	-	-	75
UAIPC302	Data structure using python	10	10	5	25	50	-	-	75
UAIPC303	Introduction to AI and Generative AI	10	10	5	25	50	-	-	75
UXXMM0XX	Multidisciplinary Minor I	-	10	5	15	35	-	-	50
UXXOE01X	Open Elective I	-	10	5	15	35	-	-	50
UCMEM001	Engineering Economics	-	10	5	15	35	-	-	50
UAIPC304	Data structure using python Lab	-	-	-	-	-	25	-	25
UAIPC305	Introduction to AI and Generative AI Lab	-	-	-	-	-	25	-	25
UAIPC306	Object Oriented Programming using JAVA	-	-	-	-	-	25	25	50
UAIVE003	Advanced Web Designing Lab	-	-	-	-	-	25	25	50
UAIFP301	Field Project I	-	-	-	-	-	50	-	50
								Total	575

*Minimumpassingis40%forallcoursesandevaluationheadmentionedabove.FET–FacultyevaluationforTheory,T1, T2, Continuous Assessment Test, Term Work , SEE –Semester End Examination, P/F – Pass/ Fail Course, AU – Audit Course

Semester IV: Teaching Scheme

Course code	Course Name	Teaching scheme(Hrs/week)			Credits assigned			Total credits
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
UAIPC401	Software Engineering	3	-	1	3	-	1	4
UAIPC402	Operating System	3	-	-	3	-	-	3
UAIPC403	Database Management System	3	-	-	3	-	-	3
UXXMM0XX	Multidisciplinary Minor II	2	-	-	2	-	-	2
UXXOE02X	Open Elective II	2	-	-	2	-	-	2
UCMEM003	Project Management	2	-	-	2	-	-	2
UAIVS401	Software Proficiency I (R programming)	-	4	-	-	2	-	2
UAIPC405	Database Management System Lab	-	2	-	-	1	-	1
UHSAE008	Employability Skills	1	2	-	1	1	-	2
USTVE005	AI Ethics & Governance	1	-	1	2	-	-	2
	Total	17	8	2	18	4	1	23

Semester IV: Evaluation Scheme

Course code	Course Name	Theory Marks					Practical Marks		Total
		Internal Assessment				SEE	Term work	Practical Oral/POE	
		T1	T2	FET	Total				
UAIPC401	Software Engineering	10	10	5	25	50	25	-	100
UAIPC402	Operating System	10	10	5	25	50	-	-	75
UAIPC403	Database Management System	10	10	5	25	50	-	-	75
UXXMM0XX	Multidisciplinary Minor II	-	10	5	15	35	-	-	50
UXXOE02X	Open Elective II	-	10	5	15	35	-	-	50
UCMEM003	Project Management	-	10	5	15	35	-	-	50
UAIVS401	Software Proficiency I (R programming)	-	-	-	-	-	25	25	50
UAIPC405	Database Management System Lab	-	-	-	-	-	25	-	25
UHSAE008	Employability Skills	-	-	-	25	-	25	-	50
USTVE005	AI Ethics &Governance	-	-	-	25	-	25	-	50
							Total		575

- Minimumpassingis40%forallcoursesandevaluationheadmentionedabove.FET–FacultyevaluationforTheory, T1, T2, Continuous Assessment Test, Term Work , SEE -Semester End Examination, P/F – Pass/ Fail Course, AU – Audit Course

Exit Option:

- Students will have the flexibility to enter a programme in odd semesters and exit a programme after the successful completion of even semesters as per their future career needs.
- Students exiting the Second Year Programme after securing minimum 80credits will be awarded UG Diploma in the relevant Discipline /Subject provided they secure additional 8 credits in skill-based vocational courses (skill-based courses, internship, mini projects etc) offered during summer vacation after the second year.

Semester V: Teaching Scheme

Course code	Course Name	Teaching scheme(Hrs/week)			Credits assigned			Total credits
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
UAIPC501	Data Mining and Data Warehousing	3	-	-	3	-	-	3
UAIPC502	Fuzzy Logic	3	-	-	3	-	-	3
UAIPC503	Machine Learning	3	-	-	3	-	-	3
UAIPE5XX	Program Elective I	3	-	-	3	-	-	3
UXXMM0XX	Multidisciplinary Minor III	2	-	-	2	-	-	2
UXXOE03X	Open Elective III	2	-	-	2	-	-	2
UAIPC504	Fuzzy Logic Lab	-	2	-	-	1	-	1
UAIPC505	Machine Learning Lab	-	4	-	-	2	-	2
UAIVS501	Software Proficiency Program II (Software tools for AI & ML)	-	4	-	-	2	-	2
Total		16	10	-	16	5	-	21

Semester V: Evaluation Scheme

Course code	Course Name	Theory Marks					Practical Marks		Total
		Internal Assessment				SEE	Term work	Practical Oral/POE	
		T1	T2	FET	Total				
UAIPC501	Data Mining and Data Warehousing	10	10	5	25	50	-	-	75
UAIPC502	Fuzzy Logic	10	10	5	25	50	-	-	75
UAIPC503	Machine Learning	10	10	5	25	50	-	-	75
UAIPE5XX	Program Elective I	10	10	5	25	50	-	-	75
UXXMM0XX	Multidisciplinary Minor III	-	10	5	15	35			50
UXXOE03X	Open Elective III	-	10	5	15	35	-	-	50
UAIPC504	Fuzzy Logic Lab	-	-	-	-	-	25	-	25
UAIPC505	Machine Learning Lab	-	-	-	-		25	25	50
UAIVS501	Software Proficiency Program II (Software tools for AI & ML)	-	-	-	-	-	25	25	50
								Total	525

* Minimum passing is 40% for all courses and evaluation head mentioned above. FET – Faculty evaluation for Theory, T1, T2, Continuous Assessment Test, FEP, Faculty Evaluation for Practical, ESE - End Semester Examination, P/F – Pass/ Fail Course, AU – Audit Course

Program Electives:						
Program Elective	**Vertical I(Image Processing)**		**Vertical II (Data Analytics & Business Management)**		**Vertical III (Cloud Computing)**	
	Code	**Course Name**	**Code**	**Course Name**	**Code**	**Course Name**
PE-I	UAIPE511	Image processing	UAIPE521	Advanced Database	UAIPE531	Fundamental of Cloud Computing
PE-II	UAIPE611	Computer Vision & Pattern Recognition	UAIPE621	Data Visualization	UAIPE631	Parallel & Distributed Computing
PE-III	UAIPE612	Multimedia Systems	UAIPE622	Big Data Analytics	UAIPE632	AWS
PE-IV	UAIPE711	ARVR	UAIPE721	Business Intelligence	UAIPE731	Devops& MLOPS
	UAIPE712	ARVR Lab	UAIPE722	Business Intelligence Lab	UAIPE732	Devops& MLOPS Lab
PE-V	UAIPE811	Human-Computer Interaction (HCI)	UAIPE821	Business Analytics	UAIPE831	Advanced Cloud Computing

Semester VI: Teaching Scheme

Course code	Course Name	Teaching scheme(Hrs/week)			Credits assigned			Total credits
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
UAIPC601	Natural Language Processing	3	-	-	3	-	-	3
UAIPC602	Design and Analysis of Algorithm	3	-	1	3	-	1	4
UAIPC603	Deep Learning	3	-	-	3	-	-	3
UAIPE6XX	Program Elective II	3	-	-	3	-	-	3
UAIPE6XX	Program Elective III	3	-	-	3	-	-	3
UXXMM0XX	Multidisciplinary Minor IV	2	-	-	2	-	-	2
UAIPC604	Deep Learning Lab	-	2	-	-	1	-	1
UAIPC605	Natural Language Processing Lab	-	2	-	-	1	-	1
UAIVS601	Software Proficiency III(Data analytics)	-	4	-	-	2	-	2
	Total	**17**	8	1	17	4	1	22

Semester VI: Evaluation Scheme

Course code	Course Name	Theory Marks					Practical Marks		Total
		Internal Assessment				SEE	Term work	Practical Oral/POE	
		T1	T2	FET	Total				
UAIPC601	Natural Language Processing	10	10	5	25	50	-	-	75
UAIPC602	Design and Analysis of Algorithm	10	10	5	25	50	25	-	100
UAIPC603	Deep Learning	10	10	5	25	50	-	-	75
UAIPE6XX	Program Elective II	10	10	5	25	50	-	-	75
UAIPE6XX	Program Elective III	10	10	5	25	50	-	-	75
UXXMM0XX	Multidisciplinary Minor IV	-	10	5	15	35			50
UAIPC604	Deep Learning Lab	-	-	-	-	-	25	-	25
UAIPC605	Natural Language Processing Lab	-	-	-	-	-	25	-	25
UAIVS601	Software Proficiency III(Data analytics)	-	-	-	-	-	25	25	50
								Total	550

Minimum passing is 40% for all courses and evaluation head mentioned above. FET – Faculty evaluation for Theory, T1, T2, Continuous Assessment Test, FEP, Faculty Evaluation for Practical, ESE - Semester End Examination, P/F – Pass/ Fail Course, AU – Audit Course

Exit Option:

- Students will have the flexibility to enter a programme in odd semesters and exit a programme after the successful completion of even semesters as per their future career needs.
- Students exiting the 3-year UG program will be awarded B.Voc. in the relevant Discipline /Subject upon securing minimum 120 credits with additional 8 credits in skill-based vocational courses (skill-based courses, internship, mini projects etc.) offered during summer vacation after the sixth semester.

Program Electives:						
Program Elective	**Vertical I(Image Processing)**		**Vertical II (Data Analytics & Business Management)**		**Vertical III (Cloud Computing)**	
	Code	**Course Name**	**Code**	**Course Name**	**Code**	**Course Name**
PE-I	UAIPE511	Image processing	UAIPE521	Advanced Database	UAIPE531	Fundamental of Cloud Computing
PE-II	UAIPE611	Computer Vision & Pattern Recognition	UAIPE621	Data Visualization	UAIPE631	Parallel & Distributed Computing
PE-III	UAIPE612	Multimedia Systems	UAIPE622	Big Data Analytics	UAIPE632	AWS
PE-IV	UAIPE711	ARVR	UAIPE721	Business Intelligence	UAIPE731	Devops& MLOPS
	UAIPE712	ARVR Lab	UAIPE722	Business Intelligence Lab	UAIPE732	Devops& MLOPS Lab
PE-V	UAIPE811	Human-Computer Interaction (HCI)	UAIPE821	Business Analytics	UAIPE831	Advanced Cloud Computing

Semester VII: Teaching Scheme

Course code	Course Name	Teaching scheme(Hrs/week)			Credits assigned			Total credits
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
UAIPC701	Optimization Techniques	3	-	-	3	-	-	3
UAIPC702	Large Language Models	3	-	-	3	-	-	3
UAIPC703	Genetic Algorithm	3	-	-	3	-	-	3
UAIPE7XX	Program Elective IV	3	-	-	3	-	-	3
USTRM701	Research Methodology	3	-	-	3	-	-	3
UXXMM0XX	Multidisciplinary Minor V	2	-	-	2	-	-	2
UAIPC704	Optimization Techniques Lab	-	2	-	-	1	-	1
UAIPC705	Large Language Models Lab	-	2	-	-	1	-	1
UAIPC706	Genetic Algorithm Lab	-	2	-	-	1	-	1
UAIPE4XX	Program Elective IV Lab	-	2	-	-	1	-	1
USTPR701 USTEP701 USTRE701	Project Phase I (Industry Internship with Capstone Project Track) OR Entrepreneurship Project: Phase I (Entrepreneurship Venture Track) OR Research Project: Phase I (Higher Opportunity Track)	-	2	-	-	4	-	2
	Total	17	10	-	17	8		23

Semester VII: Evaluation Scheme

Course code	Course Name	Theory Marks					Practical Marks		Total
		Internal Assessment				SEE	Term work	Practical Oral/POE	
		T1	T2	FET	Total				
UAIPC701	Optimization Techniques	10	10	5	25	50	-	-	75
UAIPC702	Large Language Models	10	10	5	25	50	-	-	75
UAIPC703	Genetic Algorithm	10	10	5	25	50	-	-	75
UAIPE7XX	Program Elective IV	10	10	5	25	50	-	-	75
USTRM701	Research Methodology	10	10	5	15	50	-	-	75
UXXMM0XX	Multidisciplinary Minor V	-	10	5	15	35	-	-	50
UAIPC704	Optimization Techniques Lab	-	-	-	-	-	25	-	25
UAIPC705	Large Language Models Lab	-	-	-	-		25	-	25
UAIPC706	Genetic Algorithm Lab	-	-	-	-	-	25	-	25
UAIPE4XX	Program Elective IV Lab	-	-	-	-	-	25	-	25
USTPR701 USTEP701 USTRE701	Project Phase I (Industry Internship with Capstone Project Track) OR Entrepreneurship Project: Phase I (Entrepreneurship Venture Track) OR Research Project: Phase I (Higher Opportunity Track)	-	-	-	-	-	50	-	50
								Total	575

Program Electives:						
Program Elective	**Vertical I(Image Processing)**		**Vertical II (Data Analytics & Business Management)**		**Vertical III (Cloud Computing)**	
	Code	**Course Name**	**Code**	**Course Name**	**Code**	**Course Name**
PE-I	UAIPE511	Image processing	UAIPE521	Advanced Database	UAIPE531	Fundamental of Cloud Computing
PE-II	UAIPE611	Computer Vision & Pattern Recognition	UAIPE621	Data Visualization	UAIPE631	Parallel & Distributed Computing
PE-III	UAIPE612	Multimedia Systems	UAIPE622	Big Data Analytics	UAIPE632	AWS
PE-IV	UAIPE711	ARVR	UAIPE721	Business Intelligence	UAIPE731	Devops & MLOPS
	UAIPE712	ARVR Lab	UAIPE722	Business Intelligence Lab	UAIPE732	Devops & MLOPS Lab
PE-V	UAIPE811	Human-Computer Interaction (HCI)	UAIPE821	Business Analytics	UAIPE831	Advanced Cloud Computing

* Minimum passing is 40% for all courses and evaluation head mentioned above. FET – Faculty evaluation for Theory, T1, T2, Continuous Assessment Test, FEP, Faculty Evaluation for Practical, ESE - End Semester Examination, P/F – Pass/Fail Course, AU – Audit Course

Note: The Evaluation of Project Phase I is divided into two parts (Internal Assessment)

a) Preparation and presentation of the proposal of the Project (Motivation/ Relevance, Problem Statement, Literature Survey, Objectives, Methodology and design of the project) for 25marks.

b) Student shall present a seminar on the topic relevant to the Project work for 25 marks.

Programme structure for B. Tech. (R25)

Final Year Artificial Intelligence and Machine Learning Programs Semester VIII: Teaching Scheme

Track I: Industry Internship with Capstone Project Track

Course code	Course name	Teaching scheme (Hrs/week)			Credits assigned			
		Th	Pr	Tu	Th	Pr	Tu	Total credits
UAIPE8XX	Program Elective V	3	-	-	3	-	-	3
UXXMM0XX	Multidisciplinary Minor VI	2	-	-	2	-	-	2
UAIPR801	Project Phase II	-	8	-	-	4	-	4
UAIOT801	Internship/On job Training	-	24	-	-	12	-	12
	Total	5	32	-	5	16	-	21

Th: Theory, Pr: practical, Tu: Tutorial

Note: The Program Elective V and Multidisciplinary Minor VI shall be conducted in online mode, by faculty of SGU or other Institute/ University. Students can also opt a course from MOOCs platforms such as SWAYAM, NPTEL, Coursera etc. In Case there is no assessment and examination conducted by the MOOCs platforms then the assessment and examination will Be conducted by SGU.

Evaluation Scheme

Course code	**Course name**	***Theory Marks***					**Practical Marks**		**Total**
		Evaluation (Theory)				**ESE**	**Evaluation (Lab)**		
		T1	**T2**	**FET**	**Total**		**Term work**	**Practical Oral/POE**	
UAIPE8XX	Program Elective V	10	10	5	25	50	-	-	75
UXXMM0XX	Multidisciplinary Minor VI	-	10	5	15	35	-	-	50
UAIPR801	Project Phase II	-	-	-	-	-	50	50	100
UAIOT801	Internship/On job Training	-	-	-	-	-	200	100	300

* Minimum passing is 40% for all courses and evaluation head mentioned above. FET – Faculty evaluation for Theory ,T1, T2, Continuous Assessment Test, FEP, Faculty Evaluation for Practical, ESE - End Semester Examination, P/F – Pass/ Fail Course, AU – Audit Course

- Additional Credits for Bachelor's Degree- with Double Minor OR Honours: 18-20Credits.
- These are additional credits to be offered from the second year to the final year and will be offered as an option to students.
- Additional Credits for Bachelor's Degree- Honours with Research: Minimum 18 Credits
- These are additional credits to be offered in the final year and will be offered as an option to students.

Programme structure for B. Tech. (R25)

Final Year Artificial Intelligence and Machine Learning Programs Semester VIII: Teaching Scheme

Track II: Entrepreneurship Venture Track

Course code	Course name	Teaching scheme (Hrs/week)			Credits assigned			
		Th	Pr	Tu	Th	Pr	Tu	Total credits
UAIPE8XX	Program Elective V	3	-	-	3	-	-	3
UXXMM0XX	Multidisciplinary Minor VI	2	-	-	2	-	-	2
UAIEP801	Online Course in Advanced Technology(Domain Area)	-	8	-	-	4	-	4
UAIEP802	Entrepreneurship project phase II	-	24	-	-	12	-	12
	Total	**5**	32	-	5	16	-	**21**

Note: The Program Elective V and Multidisciplinary Minor VI shall be conducted in online mode, by faculty of SGU or otherinstitute/ University. Students can also opt a course from MOOCs platforms such as SWAYAM, NPTEL, Coursera etc. Incase there is no assessment and examination conducted by the MOOCs platforms then the assessment and examination willbe conducted by SGU.

Evaluation Scheme

Course code	**Course name**	***Theory Marks***					**Practical Marks**		**Total**
		Evaluation (Theory)				**ESE**	**Evaluation (Lab)**		
		T1	**T2**	**FET**	**Total**		**Term work**	**Practical Oral/POE**	
UAIPE8XX	Program Elective V	10	10	5	25	50	-	-	75
UXXMM0XX	Multidisciplinary Minor VI	-	10	5	15	35	-	-	50
UAIEP801	Online Course in Advanced Technology(Domain Area)	-	-	-	-	-	50	50	100
UAIEP802	Entrepreneurship project phase II	-	-	-	-	-	200	100	300

* Minimum passing is 40% for all courses and evaluation head mentioned above. FET – Faculty evaluation for Theory ,T1, T2, Continuous Assessment Test, FEP, Faculty Evaluation for Practical, ESE - End Semester Examination, P/F – Pass/ Fail Course, AU – Audit Course

- Additional Credits for Bachelor's Degree- with Double Minor OR Honours: 18-20Credits.
- These are additional credits to be offered from the second year to the final year and will be offered as an option to students.
- Additional Credits for Bachelor's Degree- Honours with Research: Minimum 18 Credits
- These are additional credits to be offered in the final year and will be offered as an option to students.

Programme structure for B. Tech. (R25)

Final Year Artificial Intelligence and Machine Learning Programs Semester VIII: Teaching Scheme

Track III: Higher Opportunity Track

Course code	Course name	Teaching scheme (Hrs/week)			Credits assigned			
		Th	Pr	Tu	Th	Pr	Tu	Total credits
UAIPE8XX	Program Elective V	3	-	-	3	-	-	3
UAIMM0XX	Multidisciplinary Minor VI	2	-	-	2	-	-	2
UAIRE801	Online Course in Advanced Technology(Domain Area)	-	8	-	-	4	-	4
UAIRE802	Research project phase II	-	24	-	-	12	-	12
	Total	**5**	32	-	5	16	-	**21**

Note: The Program Elective V and Multidisciplinary Minor VI shall be conducted in online mode, by faculty of SGU or other institute/ University. Students can also opt a course from MOOCs platforms such as SWAYAM, NPTEL, Coursera etc. In case there is no assessment and examination conducted by the MOOCs platforms then the assessment and examination will be conducted by SGU.

Evaluation Scheme

Course code	**Course name**	***Theory Marks***					**Practical Marks**		**Total**
		Evaluation (Theory)				**ESE**	**Evaluation (Lab)**		
		T1	**T2**	**FET**	**Total**		**Term work**	**Practical Oral/POE**	
UAIPE8XX	Program Elective V	10	10	5	25	50	-	-	75
UAIMM0XX	Multidisciplinary Minor VI	-	10	5	15	35	-	-	50
UAIRE801	Online Course in Advanced Technology(Domain Area)	-	-	-	-	-	50	50	100
UAIRE802	Research project phase II	-	-	-	-	-	200	100	300

* Minimum passing is 40% for all courses and evaluation head mentioned above. FET – Faculty evaluation for Theory ,T1, T2, Continuous Assessment Test, FEP, Faculty Evaluation for Practical, ESE - End Semester Examination, P/F – Pass/ Fail Course, AU – Audit Course

- Additional Credits for Bachelor's Degree- with Double Minor OR Honours: 18-20Credits.
- These are additional credits to be offered from the second year to the final year and will be offered as an option to students.
- Additional Credits for Bachelor's Degree- Honours with Research: Minimum 18 Credits
- These are additional credits to be offered in the final year and will be offered as an option to students.

Mrs.Shweta Shete **BOS Member Secretary** **Dept. Of AIML**	**Mr.Amrish Patil** **Program Coordinator** **Dept. Of AIML**	**Dr.Santaji Shinde** **Director &HOD** **Dept. Of AIML**	**Dr.V.V. Kulkarni** **Dean,SOT**