



Program Structure

**Master of Technology (Artificial
Intelligence)**

Duration: 02 Years

Batch: 2026-28

School of Artificial Intelligence

11/04/26
28/11/26
RTD

**Proposed Outline of Course Curriculum and Credit Framework for UG Programmes
in-line with NEP 2020 & NCrF/NHEQF/FYUP etc with Multiple Entry and Multiple
Exit (MEME) options**

Semester-I

S.No	Type of Course	Subject	Course Code	L	T	P	E	Credits
1	Core	Mathematics for Computing	2026SOAI600	3	0	0	0	3
2	Core	Signal Theory	2026SOAI601	3	0	0	0	3
3	Core	Programming for Artificial Intelligence	2026SOAI602	2	0	4	0	4
4	Core	Advanced Machine Learning	2026SOAI603	3	0	2	0	4
5	DSE	Data Structures & Algorithms / OOPs	2026SOAI604/ 2026SOAI605	3	0	2	0	4
6	VAC	Source Code Management using GitHub	2026SOAI606	1	0	2	0	2
Total				15	0	10	0	20

Semester-II

S.No	Type of Course	Subject	Course Code	L	T	P	E	Credits
1	Core	Deep Learning	2026SOAI607	2	0	2	0	3
2	Core	Image Processing and Computer Vision	2026SOAI608	2	0	2	0	3
3	Core	Natural Language Processing	2026SOAI609	2	0	2	0	3
4	DSE	Quantum Computing/ Soft Computing	2026SOAI610/ 2026SOAI611	3	0	2	0	4
5	SEC	MLOps	2026SOAI612	1	0	2	0	2
6	AEC	Environment & Sustainability-I	2026SOAI613	2	0	0	0	2
7	Internship	AI Design & Innovation-I	2026SOAI614	0	0	0	9	3
Total				12	0	10	9	20

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Semester-III								
S.No	Type of Course	Subject	Course Code	L	T	P	E	Credits
1	Core	Generative AI	2026SOAI700	2	0	2	0	3
2	DSE	Specialization Specific Elective I		2	0	2	0	3
3	DSE	Specialization Specific Elective II		2	0	2	0	3
4	SEC	Agentic AI	2026SOAI701	2	0	2	0	3
5	VAC	Entrepreneurship & IP	2026SOAI702	2	0	0	0	2
6	Internship	AI Design & Innovation-II	2026SOAI703	0	0	0	12	4
Total				10	0	8	12	18

Semester-IV								
S.No	Type of Course	Subject	Course Code	L	T	P	E	Credits
1	Core	Reinforcement Learning & Robotics	2026SOAI704	2	0	2	0	3
2	Dissertation	Research Project/Industry Internship with Thesis	2026SOAI705	0	0	40	0	20
Total				2	0	42	0	23


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