

BSc (Hons) Artificial Intelligence

	Semes	ter	Madula	Madula Cada	Cradit Dainta	Tuno of Accomment
FT	PT I	PT II	Module	Module Code	Credit Points	Type of Assessment
Semester (Level 4)	1. Semester	ester	Introduction to Artificial Intelligence	LIBFEXDLBDSEAIS	15	Exam
		1. Seme:	Introduction to Programming with Python	LIBFEXDLBDSIPWP	15	Exam
		ester	Mathematics: Analysis	LIBFEXDLBDSMFC	15	Exam
1. Ser	2. Semester	2. Seme	Statistics - Probability and Descriptive Statistics	LIBFEXDLBDSSPDS-01	15	Exam
evel		3. Semester	Collaborative Work	LIBFOARPDLBCSCW	15	Oral Assignment + Reflection Paper
3161 (LG			Fundamentals of Data Protection and Cyber Security	LIBFEXDLBCSIDPITS	15	Exam
	emester	4. Semester	Mathematics: Linear Algebra	LIBFEXDLBDSMFLA	15	Exam
N. N			Statistics - Inferential Statistics	LIBFEXDLBDSSIS	15	Exam
vel 5)	Э. С.	5. Iester	Introduction to Academic Work for IT and Tech	LIBFAWDLBIAWITT	15	Advanced Workbook
Semester (Level	ster	5. Seme	Object Oriented and Functional Programming with Python	LIBFPDLBDSOOFPP	15	Portfolio
	4. Semes	6. Semester	Machine Learning - Supervised Learning	LIBFWACSDLBDSMLSL	15	Written Assessment: Case Study
3. Ser			Machine Learning - Unsupervised Learning and Feature Engineering	LIBFWACSDLBDSMLUSL	15	Written Assessment: Case Study
el 5)	ster	7. Semester	Introduction to NLP	LIBFAWDLBAIINLP	15	Advanced Workbook
er (Level	Semes		Project: AI Excellence with Creative Prompting Techniques	LIBFOPRRPDLBPKIEKPT_E	15	Oral Project Report + Reflection Paper
Semester	ப்	s. ester	Elective A1		15	
4. Se	ter	8. Seme:	Elective A2		15	
el 6)	emester	ster	Neural Nets and Deep Learning	LIBFWAWADLBDSNNDL	15	Written Assessment: Written Assignment
er (Level	Ö.	9. Seme:	Ethical Considerations in Data Science	LIBFWAREDLBDSSECDS	15	Written Assessment: Research Essay
Semester	Semester	10. Semester	Elective B1		15	
5. Se			Elective B2		15	
evel 6)	8. Semester 7. S	1. ester	Elective C1		15	
6. Semester (Lev		11. Seme	Elective C2		15	
		12. Semester	Bachelor Thesis	LIBFBTDLBBT	30	Bachelor Thesis
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: Full-Time, 36 months : Part-Time I, 48 months PT II: Part-Time II, 72 months

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The sequence of the odules is to be strictly followed

Electives

Elective A		Elective B	Elective C	
Intercultural and Ethical Decision-Making	Data Analysis & Business Intelligence	Advanced Data Analysis Project: Data Analysis	Business Intelligence Project: Business Intelligence	
Project: Edge AI	-			
	IT Operations &	IT Service Management	IT Project Management	Electives: You can choose
Data Science Software Engineering	Project Management	Project: IT Service Management	IT Architecture Management	two elective modules from
User Experience	International Marketing & Sales	International Marketing Online Marketing	Applied Sales I Applied Sales II	each elective area. You can freely choose these modules
Introduction to Robotics				or follow our suggested
Introduction to Computer Vision	Supply Chain Management & Industry 4.0	Supply Chain Management I Supply Chain Management II	Product Development in Industry 4.0 Project: Smart Product Solutions	combinations to stay in a specific subject area (only
Internship I Internship II	Cloud Programming and Computing & Data Engineering	Cloud Programming Cloud Computing	Data Engineering Project: Data Engineering	relevant for elective areas B and C). In total, a subject area consists of four
	Production Engineering, Automation and Robotics & Autonomous Driving	Production Engineering Automation and Robotics	Self-Driving Vehicles Seminar: Current Topics and Trends in Self-Driving Technology	elective modules.

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