Generative Artificial Intelligence

MNGAI

Curriculum Plan (Updated on 09-Mar-2026 05:26:47 PM)

1. Students need to complete at least 10 cu of level 3 and above courses in the minor.
2. 10 cu Free Electives are applicable to students enrolled before the July 2023 semester only

MNGAI^FREE ELECTIVE - 10 cu
10 cu free electives are applicable to students enrolled before the July 2023 semester only.

Course	Credit Units	Pre-requisite	Excluded Combination	Grouping	Remarks	Jan 26	May 26	Jul 26	Jan 27	Jul 27	Jan 28	Last Presentation	Time Table
GSP100 General/Free Electives	-					Y	N	Y	Y	Y	Y		

MNGAI^MINOR CORE - 20 cu

Course	Credit Units	Pre-requisite	Excluded Combination	Grouping	Remarks	Jan 26	May 26	Jul 26	Jan 27	Jul 27	Jan 28	Last Presentation	Time Table
ENG335 Machine Learning	5		ENG313		Labs will be conducted on weekends. Python programming	N	N	Y	N	Y	N		CRN01; Wed; Week 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
ICT133 Structured Programming	5		ICT131 or ICT271		The course includes two runs on Thurs and Fri respectively. Excluded combination may be removed on a case by case basis.	Y	N	Y	Y	Y	Y		CRN01; Fri; Week 1, 3, 5, 7, 9, 11 CRN02; Thu; Week 1, 3, 5, 7, 9, 11 CRN03; Fri; Week 1, 3, 5, 7, 9, 11
ICT302 Generative AI: Theory and Practice	5	ICT133				Y	N	N	Y	N	Y		

Course	Credit Units	Pre-requisite	Excluded Combination	Grouping	Remarks	Jan 26	May 26	Jul 26	Jan 27	Jul 27	Jan 28	Last Presentation	Time Table
ICT304 NLP Foundation for Generative AI	5	ICT133				N	N	Y	N	Y	N		CRN01; Thu; Week 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
MNGAI^MINOR ELECTIVE - 10 cu													
Course	**Credit Units**	**Pre-requisite**	**Excluded Combination**	**Grouping**	**Remarks**	**Jan 26**	**May 26**	**Jul 26**	**Jan 27**	**Jul 27**	**Jan 28**	**Last Presentation**	**Time Table**
AAI101 Generative AI Tools and Workflows	5					Y	N	Y	Y	Y	Y		CRN01; Tue; Week 1, 2, 5, 6, 9, 11
AAI201 Prompt Engineering Fundamentals	5					Y	N	Y	Y	Y	Y		CRN01; Thu; Week 2, 4, 6, 8, 10, 12
AAI301 Ethical and Societal Impact of Generative AI	5					Y	N	Y	Y	Y	Y		CRN01; Fri; Week 2, 4, 6, 8, 10, 12
BME363 Applications of Artificial Intelligence in Healthcare	5				All seminar sessions are conducted online (3 hrs per session).	N	N	Y	N	Y	N		CRN01; Tue; Week 1, 3, 5, 7, 9, 11
DSM101 Mathematical Foundations for Data Science	5				Not offered to BSMA & BSHMA students	Y	N	N	Y	N	Y		
ENG235 Applications of AIoT	5		ENG233			Y	N	Y	Y	Y	Y		CRN01; Wed, Sat; Week 2, 4, 6, 8, 10, 12 CRN02; Wed, Sat; Week 2, 4, 6, 8, 10, 12

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ICT162 Object Oriented Programming	5	ICT133	ICT201 or ICT272		The course includes two runs on Thurs and Fri respectively. Excluded combination may be removed on a case by case basis.	Y	N	Y	Y	Y	Y		CRN01; Fri; Week 2, 4, 6, 8, 10, 12 CRN03; Fri; Week 2, 4, 6, 8, 10, 12
ICT233 Data Programming	5	ICT133	ICT203			Y	N	Y	Y	Y	Y		CRN01; Tue; Week 1, 3, 5, 7, 9, 11 CRN02; Tue; Week 1, 3, 5, 7, 9, 11
ICT235 Data Structures and Algorithms	5	ICT133	MTH251 or MTH252 or ICT231 or ICT232			Y	N	N	Y	N	Y		
ICT263 AWS Certified Cloud Practitioner	5					Y	N	Y	Y	Y	Y		CRN01; Wed; Week 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 CRN02; Wed; Week 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
ICT318 Network Security	5	ICT246 & ICT259	ICT211			Y	N	Y	Y	Y	Y		CRN01; Wed; Week 1, 3, 5, 7, 9, 11 CRN02; Wed; Week 1, 3, 5, 7, 9, 11
ICT325 Algorithm Design and Analysis	5					N	N	Y	N	Y	N		CRN01; Wed; Week 2, 4, 6, 8, 10, 12

Course	Credit Units	Pre-requisite	Excluded Combination	Grouping	Remarks	Jan 26	May 26	Jul 26	Jan 27	Jul 27	Jan 28	Last Presentation	Time Table
ICT337 Big Data Computing in the Cloud	5	Exposure to Distributed Computing and Python	ICT336		Need background knowledge of ICT335	N	N	Y	N	Y	N		CRN02; Tue; Week 2, 4, 6, 8, 10, 12
ICT341 Web Informatics Programming	5	ICT233 & ICT239	ICT333			Y	N	N	Y	N	Y		
ICT369 AWS Certified Machine Learning	5	ICT133 & ICT263 OR ANL252 & ICT263	ICT368			Y	N	Y	Y	Y	Y		
MTD369 Virtual Reality and Augmented Reality	5				As MTD369 is a level 3 course with coding, students are highly recommended to have basic programming experience to take the course.	Y	N	N	Y	N	Y		

• If the presentation status is 'Y' = the course is presenting in the semester, 'N' = the course is not presenting in the semester, 'RT' = the course has been retired and will not be presented again, 'RP' = the course has been replaced and will not be presented again.
• The information listed is subject to review and change.

Retired/Replaced List

Course	Credit Units	Status	Effective From Semester	Remarks
ENG233 Internet of Things (IoT)	5	Replaced	2026/01	Replaced by ENG235