INDIRA GANDHI NATIONAL OPEN UNIVERSITY
Planning & Development Division

Academic Programme Launch Notification No. 169
M.Sc. (Data Science and Analytics) - MSCDSA

With the approval of the Competent Authority, the M.Sc. (Data Science and Analytics) – MSCDSA will be offered through ODL mode from January 2026 session, as per the following details:

The details of the Programme are as under:

Eligibility: Bachelor Degree of at least 3 years duration from a recognized University / Institution.

Medium of Instruction: English

Duration: Minimum: 2 Years Maximum: 4 Years

Fee Structure: ₹ 13,000/- per semester (₹ 52,000/- for 2 Years - 4 Semester)

Programme Details: Total Credits - 80 credits

Examination Mode: Semester-wise

Study Materials: Both (Print and Digital)

Expected Enrolment: 1000 per session

Courses:

Course codes	Title of the Course	Type of Course	Course Credits
SEMESTER -I			
MCS-061	Mathematical Foundations - I	Theory	4
MCS-062	Introduction to Data Science	Theory	4
MCS-063	Data Structures using Python	Theory	4
MCS-207	Database Management Systems	Theory	4
MCSL-064	Data Structures using Python Lab	Lab (Practical)	2
MCSL-065	Data Science Lab	Lab (Practical)	2
SEMESTER-II			
MCS-066	Mathematical Foundations - II	Theory	4
MCS-067	Data Wrangling and Visualization	Theory	4
MCS-224	Artificial Intelligence and Machine Learning	Theory	4
MCS-068	Predictive Data Analysis	Theory	4
MCSL-069	Artificial Intelligence & Machine Learning Lab	Lab (Practical)	2
MCSL-070	Data Analysis Lab	Lab (Practical)	2

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Course codes	Title of the Course	Type of Course	Course Credits
SEMESTER-III			
MCS-071	Big Data Analytics	Theory	4
MCS-072	Deep Learning	Theory	4
MCS-073	Soft Computing	Theory	4
MCS-074	Cloud Computing	Theory	4
MCSL-075	Big Data Analytics Lab	Lab (Practical)	2
MCSL-076	Deep Learning Lab	Lab (Practical)	2
SEMESTER-IV			
MCS-077	Natural Language Processing	Theory	4
MCS-078	Data Security	Theory	4
MCSP-079	Project Work	Project	12

Details of Approval: PDF and PPR were approved in the 82nd Meeting of AC held on 28th June, 2024 (Item No. 24).

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15|10|2025

(Prof. V.V. Subrahmanyam)
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To
Director of Schools, Head of Divisions
AR, VCO