

School of Digital Sciences

MSc in Data Science and Product Development (2 year Work Immersive Learning Program)

1. About the Program

The **M.Sc. in Data Science and Product Development**, offered by the School of Digital Sciences, is a forward-thinking **2-year Work-Immersive Learning Programme** designed to bridge the gap between academic learning and real-world application.

This programme goes beyond traditional classroom education by immersing students in a dynamic, project-driven environment where learning is closely aligned with practical implementation. It enables students to develop both strong theoretical foundations and hands-on expertise essential for today's data-driven and technology-focused industries.

A distinctive feature of the programme is the opportunity to gain practical experience through specialised **Centres of Excellence**, where students actively contribute to live, ongoing projects. These centres function as innovation hubs, allowing students to apply their knowledge to solve real-world problems, build data-driven solutions, and participate in end-to-end digital product development initiatives.

In addition, students benefit from continuous interaction and collaboration with industry experts, gaining valuable insights into emerging trends, tools, and professional practices. This integrated approach ensures that students remain aligned with evolving industry expectations while progressing within a structured academic framework.

2. Work-Immersive Learning with Professional Earnings

The programme follows a **Work-Immersive Learning with Professional Earnings model**, where students receive monthly financial support throughout the duration of the course, subject to eligibility criteria and performance.

This model not only provides financial assistance but also fosters a strong sense of responsibility, professionalism, and workplace readiness.

Over the two-year duration, students experience a well-balanced integration of

- Academic learning through expert-led sessions
- Hands-on project work within Centres of Excellence

- Exposure to real-world tools, workflows, and processes guided by project teams
- Participation in live projects, essential for developing digital solutions and products

Learning Outcomes

By the end of the programme, graduates will have

- A strong foundation in Artificial Intelligence, Data Science, Analytics, and Full-Stack Development
- Practical experience in developing data-driven products and solutions
- Exposure to real-world project development ecosystems
- Familiarity with industry-standard tools, processes, and practices
- A professional portfolio demonstrating applied skills and project outcomes

Programme Integration and Ecosystem

Under this model, students are continuously embedded in live projects coordinated with

- Centre for Digital Innovation and Product Development (CDIPD)
- Centre for Applied AI Research Lab (AIIRL)
- Centre for Geospatial Analytics (CGA)
- Centre for Data Analytics (CDA)

Academic credits, assessments, and learning outcomes are directly mapped to project tasks, assignments, and deliverables, ensuring that practical work experience remains central to the curriculum.

Career Pathway

This programme is ideal for students aspiring to build future-ready careers in Data Science, Artificial Intelligence, and Digital Product Innovation—while gaining meaningful industry experience and financial independence during their studies.

3. Professional Earnings

Students enrolled in the program will receive professional financial earnings as outlined below, subject to meeting eligibility criteria and maintaining satisfactory performance as per program guidelines

Semester 1	Rs. 10,000 per month	Subject to satisfactory work and appraisal
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Semester 2	Rs. 10,000 per month	Subject to satisfactory work and appraisal
Semester 3	Rs. 20,000 per month	Subject to satisfactory work and appraisal
Semester 4	Rs. 30,000 per month	Subject to satisfactory work and appraisal

4. Program Highlights

The programme is designed to

- Develop AI-driven digital product and solution engineers
- Integrate full-stack and cloud-native development capabilities
- Embed DevOps and MLOps practices within production environments
- Promote agile product development methodologies and processes
- Ensure adherence to governance, industry standards, and security compliance
- Offer a Professional Learning Track that seamlessly integrates education with employment
- Provide opportunities to collaborate with industry experts and work within high-performing technology development teams
- Opportunity to work within Centres of Excellence aligned with CMMI Level 3 standards, enabling exposure to global best practices, processes, and quality frameworks
- Enable pathways to industry-recognized professional certifications in Cloud, DevOps, and Full-Stack Development

Credit Requirements

2 Years | 4 Semesters | 80 Credits

50 credits Lab oriented work and 30 Credits for Theoretical sessions

5. Number of Seats

The Number of seat for this program is limited to 20.

6. Eligibility

Candidates must possess either a 3-year or a 4-year Bachelor's degree in Science/Engineering/Mathematics, with Mathematics/Statistics as one of the subjects, and a minimum aggregate of 60% marks (or equivalent). Relaxation in marks will be provided for reserved categories as per University norms.

Admission is based on the entrance examination, Skill Test and interview. Prospective candidates aspiring to join this program are required to take part in either the CUET(PG)-2026 or Digital University Admission Test (DUAT)-2026 examination (Test Code: DUAT 07). The school will decide the cut-off mark for admission.

7. Selection Process

The candidates will be selected through rigours selection process

Level 1 : Shortlisting of candidates through CUET (PG) or DUAT

Students can apply through CUET (PG) or DUAT test.

The Applicable CUET(PG) Test Codes are : SCQP09, SCQP27, SCQP19, SCQP24, MTQP04

Level 2 : Skill Assessment Test (Machine based)

The shortlisted candidates from CUET(PG) and UDAT will be invited for a skill Assessment Test. The skill Assessment test will contain the

Level 3 : Interview

Those who qualify the skill Assessment test will be invited for the interview and final selection list will be published. The reservation norms will be followed as applicable.

8. Fee Structure

The total fee for the course (2 year) will be Rs. 3,10,000/-

Particulars	First Semester	Second Semester	Third Semester	Fourth Semester
Tuition Fee (in Rs)	85000	75000	75000	75000
Caution deposit (in Rs)	5,000	-	-	-
TOTAL (in Rs)	90,000	75,000	75,000	75,000

9. Fee Payment Schedule

Semester	Tuition Fee	Caution Deposit	Last date of remittance without fine (on or before)
First Semester	85,000	5,000	Rs.17,000/- at the time of Admission and the balance fee within 30 days after the commencement of the 1st Semester Classes
Second Semester	75,000		Within 15 days after the commencement of the 2nd Semester class
Third Semester	75,000		Within 15 days after the commencement of the 3rd Semester class
Fourth Semester	75,000		Within 15 days after the commencement of the 4th Semester class
TOTAL	3,10,000	5,000	

10. Unique Strength of the Program

- Professional Learning Track: Education Meets Employment
- Real-world exposure to the project and solution development ecosystem
- Skill Development oriented pathways
- Immersive work learning with CMMI Level 3 process standards
- Guided and mentored by Industry Experts
- High interaction opportunity with industry experts
- High industry relevance with continuous engagement in real projects
- Strong alignment with NEP 2020 through Work Integrated Learning (WIL)
- Integration with established centres (CDIPD, AIIRL, CDA, CGA)
- Exposure to global standards and process of Solution and product development lifecycle and ecosystem
- Performance-based assessment process for professional earnings
- Integration of AI, Cloud, DevOps and Full Stack Engineering
- Focus on real-world product/solution development
- Clear pathways to employability, innovation, and product outcomes
- Digitally Dashboards for Daily Work monitoring and guidance

- High motivation for entrepreneurial initiatives