Uttarakhand Open University

Detailed Status Report of MOOCs Offered through SWAYAM

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Executive Summary

This report presents a comprehensive status update on the Massive Open Online Courses (MOOCs) offered by **Uttarakhand Open University (UOU)** through the **SWAYAM platform**. Since the launch of its first flagship course, *Introduction to Cyber Security*, in July 2019, UOU has consistently expanded its MOOC portfolio, covering diverse academic and skill-based domains including technology, management, education, life skills, and vocational training.

As of July 2025, UOU has successfully offered **12 unique MOOCs**, with enrolments spanning multiple cycles and attracting learners from **across India and over 60 countries**. The university's courses have achieved significant milestones, most notably:

- *Introduction to Cyber Security* has surpassed **1.25 lakh enrolments** to date, ranking among the **top non-NPTEL MOOCs** on SWAYAM.
- *Digital Forensics*, launched in 2022, has recorded **over 22,700 enrolments** across eight cycles.
- *Web Technology* has maintained consistent popularity with **over 23,000 learners**.
- Recently introduced courses, such as *Sustainable Aquaculture* and *Micro-Economics for Business*, are expanding the university's academic reach into niche and emerging subject areas.

The cumulative enrolments across all active MOOCs now stand at **2,06,536**, reflecting the university's growing digital footprint and its ability to deliver quality online education at scale. This success is driven by **expert faculty coordinators**, **robust digital infrastructure**, and an unwavering commitment to **learner engagement and content quality**.

In addition to academic excellence, UOU has embraced innovation in course delivery. Initiatives such as **gamification, micro-credentials, content localization in Hindi**, and the integration of **AI-generated flashcards** are being explored to enhance learner retention and satisfaction.

This report also includes a **SOAR (Strengths, Opportunities, Aspirations, Results) analysis**, offering a strategic perspective on the university's MOOC ecosystem and outlining actionable recommendations to further strengthen UOU's position as a leader in open and distance learning in India.

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Detailed Status Report of MOOCs Offered through SWAYAM

Introduction

Uttarakhand Open University (UOU), as a leading state open university, has been at the forefront of promoting accessible and flexible learning opportunities through the SWAYAM platform—India's national Massive Open Online Course (MOOC) initiative. In alignment with the objectives of the Ministry of Education, Government of India, UOU has developed and delivered a diverse portfolio of MOOCs across disciplines such as Computer Science, Management, Education, Life Skills, Social Sciences, and Vocational Studies.

These courses are designed and delivered by experienced faculty and subject matter experts, integrating academic rigor with practical applicability. Many of them have consistently attracted high enrolments from learners across India and abroad, with some, like Introduction to Cyber Security, emerging among the most popular non-NPTEL courses on the platform.

The present report provides a comprehensive status update on all MOOCs offered by UOU through SWAYAM. It covers course-wise details including faculty information, cycle-wise enrolments, current status, and key observations. The report also calculates cumulative enrolments till date, offering insights into the reach, impact, and learner engagement patterns of UOU's online courses.

Through these offerings, UOU continues to contribute significantly towards the national agenda of democratizing education, enhancing employability, and fostering lifelong learning by leveraging the potential of digital platforms.

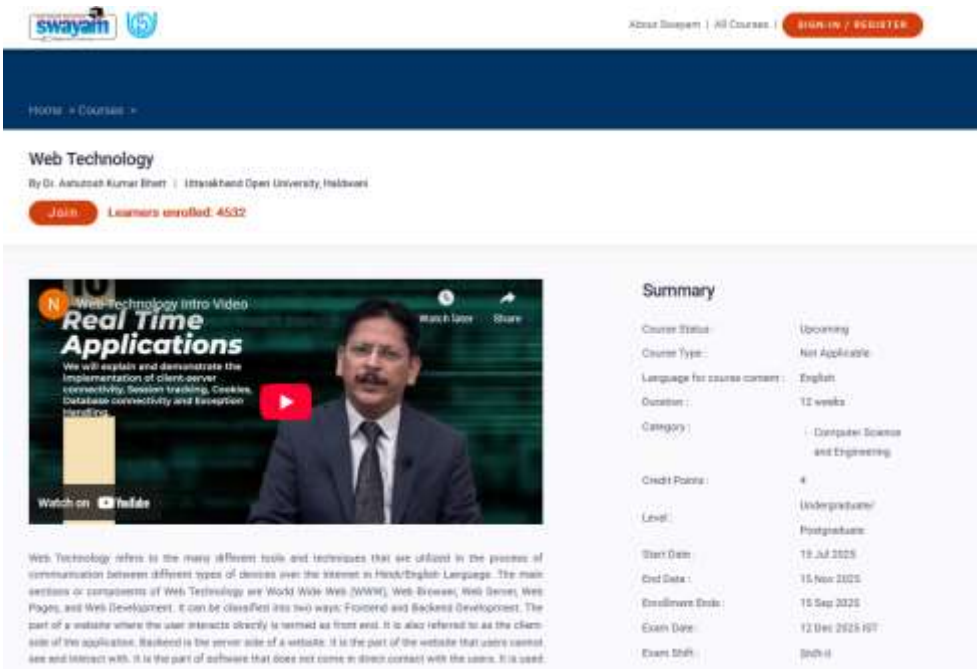
Course-wise Status

1. Web Technology

Faculty: Prof. (Dr.) Ashutosh Kumar Bhatt
Email: abhatt@uou.ac.in
Mobile: 9412327953

Course Links:

- July 2025 Cycle: https://onlinecourses.swayam2.ac.in/nou25_cs23/preview - 7435
- Jan., 2025 Cycle https://onlinecourses.swayam2.ac.in/nou25_cs09/preview – 9395 enrolments
- July 2024 Cycle: https://onlinecourses.swayam2.ac.in/nou24_cs18/preview – 9,395 enrolments

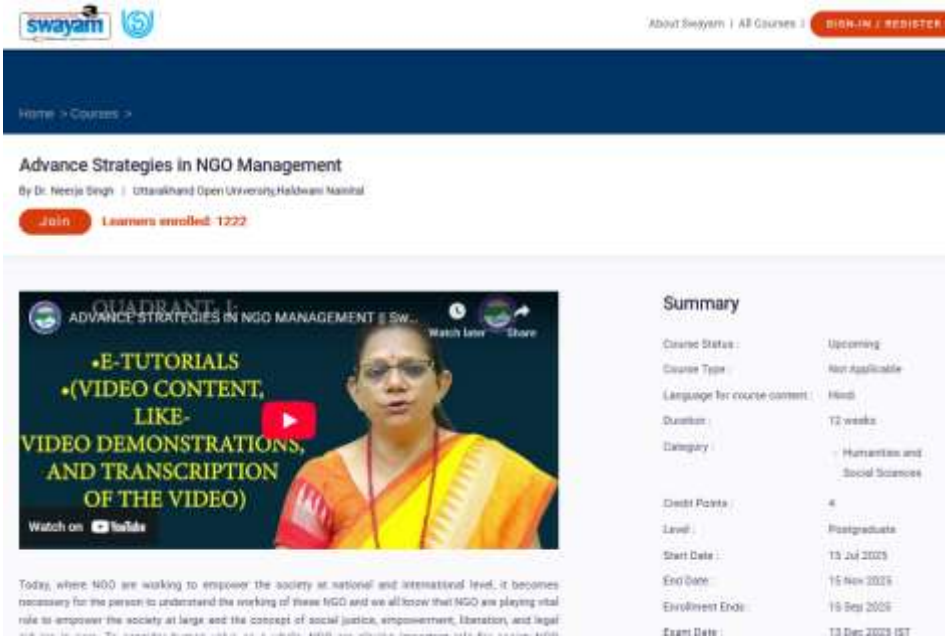


Total Enrolments: 26,225

Observations:
The *Web Technology* MOOC consistently attracts a large learner base, exceeding 9,000 registrations in recent cycles. The course appeals to both computer science students and professionals seeking web development skills.

2. Advance Strategies in NGO Management

Faculty: Dr. Neerja Singh
Email: neerjasingh@uou.ac.in
Mobile: 9927145246



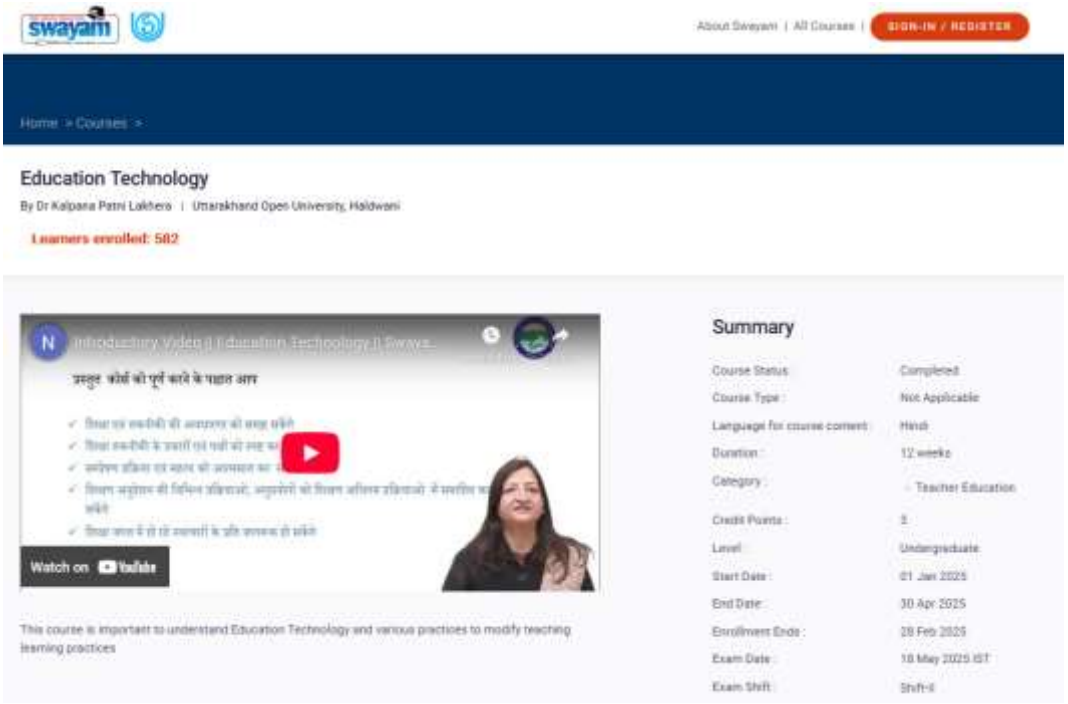
Course Link:

- July 2025 Cycle: https://onlinecourses.swayam2.ac.in/nou25_hs74/preview – 3,579 enrolments

Observations:
This course caters to professionals in the non-profit sector and learners interested in NGO management strategies. Enrolments are moderate, reflecting a niche audience.

3. Education Technology

Faculty: Dr. Kalpana Patni Lakhera
Email: klakhera@uou.ac.in
Mobile: 9412996449



Course Links:

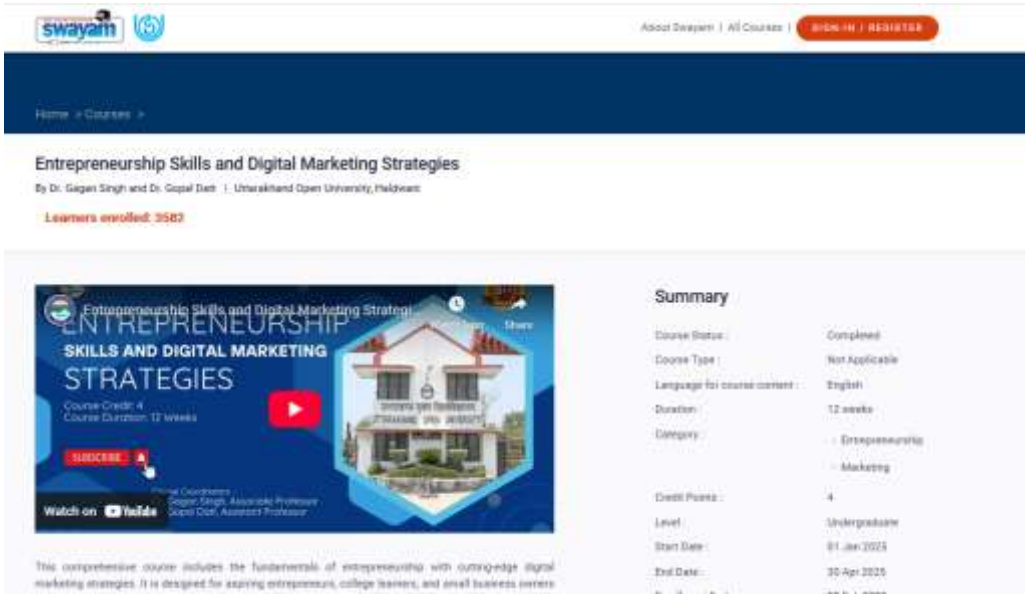
- July, 2025: https://onlinecourses.swayam2.ac.in/nou25_ed46/preview – 1212 enrolments (Ongoing)
- Jan 2025 Cycle: https://onlinecourses.swayam2.ac.in/nou25_ed24/preview 582 enrolments

Total Enrolments: 1794

Observations:
The *Education Technology* MOOC focuses on integrating technology into teaching-learning processes. While enrolments are relatively modest, the course is valuable for teacher training and educational innovation.

4. Entrepreneurship Skills and Digital Marketing Strategies

Faculty: Prof. Gagan Singh, Dr. Gopal Datt
Emails: gsingh@uou.ac.in, gdatt@uou.ac.in
Mobiles: 8077923358, 9012972556



Course Links:

- July 2025: https://onlinecourses.swayam2.ac.in/nou25_mg21/preview: 5327 enrolments
- Jan., 2025: https://onlinecourses.swayam2.ac.in/nou25_mg10/preview : 3,582 enrolments

Total Enrolments: 8909

Observations:
The course blends entrepreneurship skills with digital marketing, making it relevant for start-up founders, small business owners, and management students.

5. Workplace Skills for 21st Century Learners

Faculty: Prof. Gagan Singh, Prof. Jeetendra Pande, Dr. Gopal Datt, Dr. Megha Pant
Emails: jpande@uou.ac.in, gsingh@uou.ac.in, gdatt@uou.ac.in, meghapant@uou.ac.in

Course Link:

- July, 2025 Cycle: https://onlinecourses.swayam2.ac.in/nou25_ge94/preview : 855 enrolments

Observations:
Designed to enhance employability skills, this MOOC addresses communication, teamwork, adaptability, and other workplace competencies.

6. Essential Life Skills for 21st Century Learners

Faculty: Prof. Gagan Singh, Prof. Ashutosh Kumar Bhatt, Dr. Gopal Datt, Mrs. Lalita Bisht
Emails: gsingh@uou.ac.in, abhatt@uou.ac.in, gdatt@uou.ac.in, lbisht@uou.ac.in

Course Link:

- July, 2025 Cycle: https://onlinecourses.swayam2.ac.in/nou25_ge93/preview– 1606 enrolments

Observations:
Aims to develop essential personal and professional skills among learners. Its interdisciplinary approach attracts a wide range of participants.

7. Introduction to Cyber Security

Faculty: Prof. Jeetendra Pande
Email: jpande@uou.ac.in
Mobile: 9927050094

Cycle-wise Enrolments:

- July 2025 Cycle: https://onlinecourses.swayam2.ac.in/nou25_cs18/preview – 9845 enrolments
- Jan 2025 Cycle: https://onlinecourses.swayam2.ac.in/nou25_cs04/preview - 9364 enrolments
- July 2024 Cycle XI : https://onlinecourses.swayam2.ac.in/nou24_cs13/preview – 10,760 enrolments
- Jan 2024 Cycle X : https://onlinecourses.swayam2.ac.in/nou24_cs04/preview - 11004 enrollments
- July 2023 Cycle IX : https://onlinecourses.swayam2.ac.in/nou23_cs10/preview – 4,831 enrolments
- Jan 2023 Cycle VIII: https://onlinecourses.swayam2.ac.in/nou23_cs04/preview – 5,118 enrolments
- July 2022 Cycle VII : https://onlinecourses.swayam2.ac.in/nou22_cs07/preview – 8,286 enrolments
- Jan 2022 Cycle VI : https://onlinecourses.swayam2.ac.in/nou22_cs04/preview - 10440 enrolments
- July 2021 Cycle V : https://onlinecourses.swayam2.ac.in/nou21_cs08/preview – 8,360 enrolments
- Jan 2021 Cycle IV : https://onlinecourses.swayam2.ac.in/nou21_cs01/preview – 15,856 enrolments
- July 2020 Cycle III : https://swayam.gov.in/nd2_nou20_cs02/preview – 9,647 enrolments

- Jan 2020 Cycle II : https://swayam.gov.in/nd2_nou20_cs01/preview – 8,813 enrolments
- July 2019 Cycle I : https://swayam.gov.in/nd2_nou19_cs08/preview – 16,964 enrolments

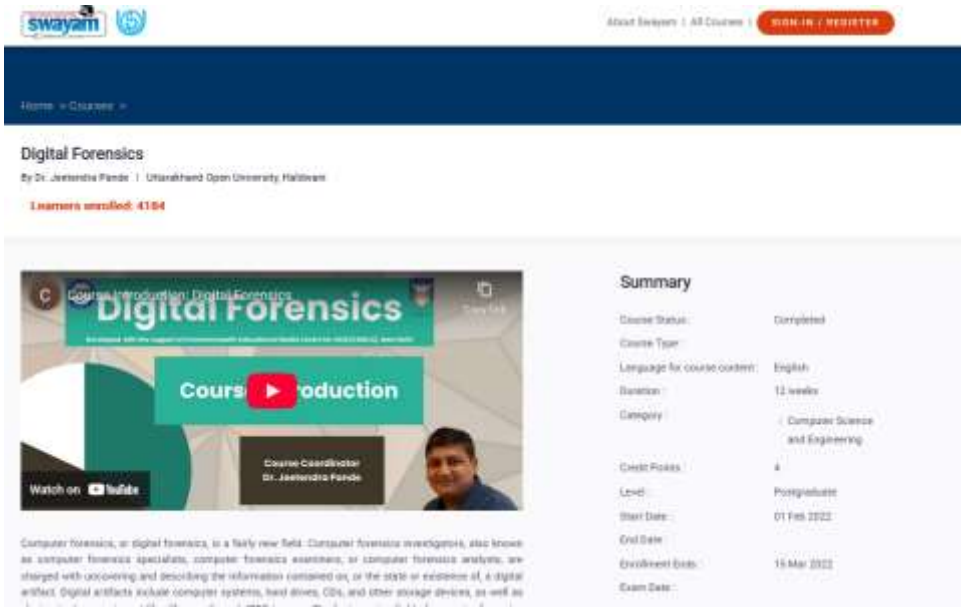
Total Enrolments

Total enrolments across all cycles: **1,29,288**

Observations:
This flagship course has attracted over **1,00,000 learners** across 13 cycles, making it one of the most popular non-NPTEL MOOCs on SWAYAM[1].

8. Digital Forensics

Faculty: Prof. Jeetendra Pande
Email: jpande@uou.ac.in



Cycle-wise Enrolments:

- Cycle VIII (July 2025): https://onlinecourses.swayam2.ac.in/nou25_cs19/preview – 3,577 enrolments
- Cycle VII (Jan 2025): https://onlinecourses.swayam2.ac.in/nou25_cs05/preview – 2,925 enrolments
- Cycle VI (July 2024): https://onlinecourses.swayam2.ac.in/nou24_cs14/preview – 3,179 enrolments
- Cycle V (Jan 2024): https://onlinecourses.swayam2.ac.in/nou24_cs05/preview – 1,301 enrolments
- Cycle IV (July 2023): https://onlinecourses.swayam2.ac.in/nou23_cs11/preview – 2,506 enrolments

[1] https://nmeict.ac.in/wp-content/uploads/2020/05/Top-10-Non-Engineering-Courses.pdf

- Cycle III (Jan 2023): https://onlinecourses.swayam2.ac.in/nou23_cs05/preview – 2,613 enrolments
- Cycle II (July 2022): https://onlinecourses.swayam2.ac.in/nou22_cs09/preview – 3,883 enrolments
- Cycle I (Jan 2022): https://onlinecourses.swayam2.ac.in/nou22_cs05/preview – 4,184 enrolments

Total Enrolments: 24,168

Observations:
The course is highly relevant for law enforcement, IT security professionals, and students of cyber law. It shows periodic spikes in registrations.

9. Fundamentals of Financial Inclusion and Cyber Safety

Faculty: Prof. Gagan Singh, Dr. Gopal Datt, Dr. Neelima Budhani, Dr. Geetanjali Bhatt Sharma
Emails: gsingh@uou.ac.in, gdatt@uou.ac.in, nbudhani@uou.ac.in, gsharma@uou.ac.in

Course Link:

- July, 2025 Cycle: https://onlinecourses.swayam2.ac.in/nou25_ge92/preview – 986 enrolments

Observations:
This course combines concepts of financial inclusion with cyber safety measures, targeting banking professionals, students, and entrepreneurs.

10. Development of Online Courses for SWAYAM

Faculty: Prof. Jeetendra Pande
Email: jpande@uou.ac.in

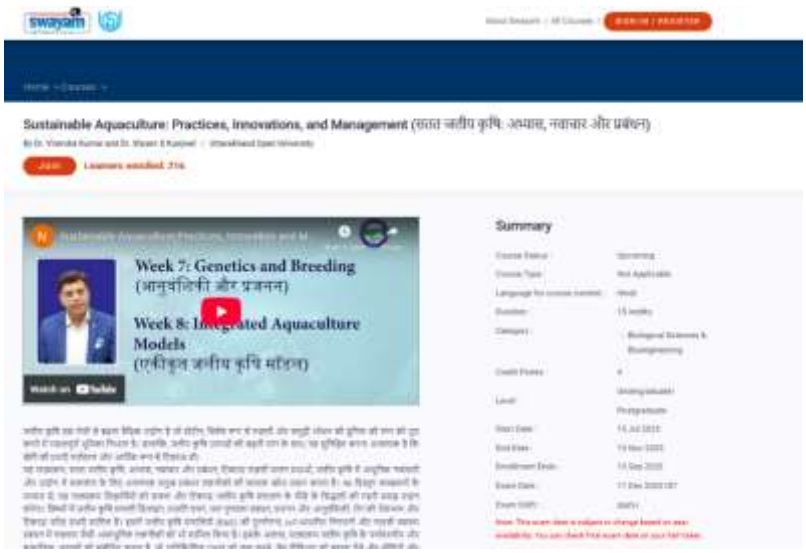
Course Link: https://onlinecourses.swayam2.ac.in/nou24_ge32/preview

Enrolments: 6599

Observations:
The course serves as a capacity-building initiative for educators developing MOOCs. It covers instructional design, content creation, and SWAYAM compliance. It is offered as Non-credit self-paced course.

11. Sustainable Aquaculture: Practices, Innovations, and Management

Faculty: Dr. Virendra Kumar & Dr. Shyam S. Kunjwal
Email: vkumar@uou.ac.in
Mobile: 9456140200



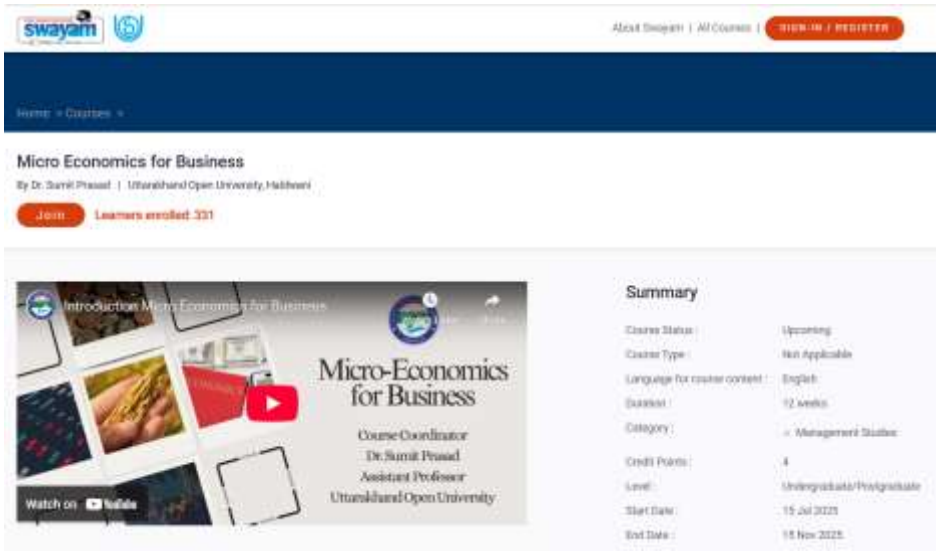
Course Link:

- July, 2025: https://onlinecourses.swayam2.ac.in/nou25_bt13/preview– 324 enrolments

Observations:
Targets stakeholders in fisheries and aquaculture. Focuses on sustainable practices and technological innovations.

12. Micro-Economics for Business

Faculty: **Dr. Sumit Prasad**
Email: sprasad@uou.ac.in
Mobile: 9456346010



Cycle-wise Enrolments:

- **July 2025 Cycle**: https://onlinecourses.swayam2.ac.in/nou25_mg19/preview – 809 enrolments
- **Jan 2025 Cycle**: https://onlinecourses.swayam2.ac.in/nou25_mg06/preview – 404 enrolments
- **July 2024 Cycle**: https://onlinecourses.swayam2.ac.in/nou24_mg12/preview – 445 enrolments
- **Jan 2024 Cycle**: https://onlinecourses.swayam2.ac.in/nou24_mg06/preview – 545 enrolments

Total Enrolments: 2,203

Observations:
The Micro-Economics for Business MOOC provides learners with foundational and applied knowledge of microeconomic principles, focusing on business decision-making, market structures, and pricing strategies. It attracts a steady number of students, primarily from commerce, economics, and management backgrounds, as well as working professionals seeking to strengthen their understanding of market behavior.

Grand Total Enrolments Across All Courses (Till Date)

S. No.	Course	Total Enrolments
1	Web Technology	26225
2	Advance Strategies in NGO Management	3579
3	Education Technology	1794
4	Entrepreneurship Skills and Digital Marketing Strategies	8909
5	Workplace Skills for 21st Century Learners	855
6	Essential Life Skills for 21st Century Learners	1606
7	Introduction to Cyber Security	129288
8	Digital Forensics	24168
9	Fundamentals of Financial Inclusion and Cyber Safety	986
10	Development of Online Courses for SWAYAM	6599
11	Sustainable Aquaculture	324
12	Micro-Economics for Business	2203
	Total	**2,06,536**

Grand Total: 2,06,536 enrolments (Till date)

SOAR Analysis – MOOCs at Uttarakhand Open University

1. Strengths

- **High-impact flagship courses**: *Introduction to Cyber Security* has over **1.25 lakh enrolments** till date, ranking among the top non-NPTEL courses on SWAYAM.
- **Faculty expertise**: Courses are coordinated by experienced professors and domain experts (e.g., Cyber Security, Digital Forensics, Web Technology).
- **Diverse portfolio**: Covers technology, management, education, life skills, and vocational domains, catering to a wide learner spectrum.
- **Strong digital infrastructure**: Proven ability to deliver quality MOOCs across multiple cycles with consistent learner engagement.
- **National and international reach**: Enrolments from over 60 countries in some courses, enhancing UOU's global academic footprint.

2. Opportunities

- **Emerging domains**: Introducing MOOCs on AI, Data Analytics, Cloud Security, Blockchain, and IoT to tap into current skill demands.
- **Content localization**: Offering select courses in Hindi and other Indian languages to expand reach to regional learners.
- **Micro-credentials and credit transfer**: Leveraging UGC-DEB and NCrF provisions to allow stackable learning pathways for degree programs.
- **Industry-academia collaborations**: Partnering with tech companies, Sector Skill Councils, and NGOs for co-branded, application-oriented courses.
- **Advanced learner engagement**: Expanding gamification, adaptive learning, and AI-generated flashcards for improved retention.

3. Aspirations

- **Becoming a national leader** in open and distance learning MOOCs with specialized, high-enrolment, and industry-relevant courses.
- **Integrating MOOCs with mainstream programs** at UOU, allowing learners to seamlessly earn credits toward degrees and diplomas.
- **Building a global learner community** by targeting professionals, students, and lifelong learners worldwide.
- **Launching thematic MOOC series** (e.g., Cyber Security Master Series, Digital Transformation Skills Series) to create structured skill development pathways.

4. Results (Measurable Goals)

- Achieve **50,000+ total enrolments annually** across all UOU SWAYAM courses within the next two years.
- Increase average course completion rate by **15%** through enhanced interactivity and learner support systems.
- Introduce **at least 5 new high-demand MOOCs** in emerging fields by the end of the next academic year.
- Establish **at least 3 new international collaborations** for co-developed MOOCs within three years.

Recommendations, Way Forward, and Closing Remarks

The enrolment data and course performance presented in this report clearly demonstrate UOU's growing impact through the SWAYAM platform, yet they also highlight opportunities for further strengthening and innovation. To sustain and enhance this momentum, it is recommended that the university introduce more interactive elements such as gamified quizzes, live doubt-clearing sessions, and peer-to-peer activities to improve learner

engagement. Expanding multilingual offerings, especially for flagship courses like *Introduction to Cyber Security* and *Digital Forensics*, will make them more accessible to non-English-speaking learners. Stronger industry linkages should be pursued to co-develop micro-certifications and job-oriented modules, ensuring that our courses remain aligned with evolving market needs. Continuous use of learner feedback, analytics, and completion data will help refine course content and address drop-off points, while targeted marketing and outreach campaigns can extend our reach to new learner communities.

Looking ahead, the next three to five years will be focused on scaling up high-impact courses with advanced modules, diversifying the MOOC portfolio to include emerging areas such as Artificial Intelligence, Climate Resilience, Sustainable Development, and Data Privacy, and deepening industry integration through partnerships with sector skill councils, companies, and non-profits. Inclusivity will remain central, with courses being translated into Hindi and other regional languages, alongside the adoption of inclusive design features for differently-abled learners. UOU will also leverage advanced learning technologies such as AI-driven personalized learning, adaptive assessments, and predictive analytics to support learner success. Structured mentorship programs, milestone-based incentives, and clearly defined learning pathways will help improve completion rates, while global collaborations will enable cross-border learner participation and enrich the learning experience. Continuous improvement will be embedded into our operations through an annual MOOC Quality Review Committee that evaluates course effectiveness, learner satisfaction, and market trends.

The achievements so far reflect more than just numbers- they represent the trust and engagement of **2,06,536 learners** who have chosen UOU's MOOCs to enhance their knowledge and skills. Flagship offerings have achieved national recognition, while niche courses have met specialized industry and societal needs. As we look to the future, UOU remains committed to keeping education open, inclusive, and impactful by harnessing the full potential of digital platforms. The road ahead offers exciting possibilities, and with a clear vision and learner-first approach, UOU will continue to play a leading role in shaping the future of online education in India and beyond.

Acknowledgement

The author sincerely acknowledges the valuable inputs provided by all course coordinators in compiling this report. Special thanks to:

- **Prof. (Dr.) Ashutosh Kumar Bhatt** – *Web Technology*, *Essential Life Skills for 21st Century Learners*
- **Dr. Neerja Singh** – *Advance Strategies in NGO Management*
- **Dr. Kalpana Patni Lakhera** – *Education Technology*
- **Prof. Gagan Singh** – *Entrepreneurship Skills and Digital Marketing Strategies*, *Workplace Skills for 21st Century Learners*, *Essential Life Skills for 21st Century Learners*, *Fundamentals of Financial Inclusion and Cyber Safety*

- **Dr. Gopal Datt** – *Entrepreneurship Skills and Digital Marketing Strategies*, *Workplace Skills for 21st Century Learners*, *Essential Life Skills for 21st Century Learners*, *Fundamentals of Financial Inclusion and Cyber Safety*
- **Dr. Megha Pant** – *Workplace Skills for 21st Century Learners*
- **Mrs. Lalita Bisht** – *Essential Life Skills for 21st Century Learners*
- **Prof. Jeetendra Pande** – *Introduction to Cyber Security*, *Digital Forensics*, *Development of Online Courses for SWAYAM*
- **Dr. Neelima Budhani** – *Fundamentals of Financial Inclusion and Cyber Safety*
- **Dr. Geetanjali Bhatt Sharma** – *Fundamentals of Financial Inclusion and Cyber Safety*
- **Dr. Virendra Kumar** – *Sustainable Aquaculture: Practices, Innovations, and Management*
- **Dr. Shyam S. Kunjwal** – *Sustainable Aquaculture: Practices, Innovations, and Management*
- **Dr. Sumit Prasad –** *Micro-Economics for Business*

Their dedication and cooperation have been instrumental in ensuring that the information presented here is accurate and comprehensive.

References

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2. Web Technology – Jan 2025 Cycle: https://onlinecourses.swayam2.ac.in/nou25_cs09/preview
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4. Advance Strategies in NGO Management – July 2025 Cycle: https://onlinecourses.swayam2.ac.in/nou25_hs74/preview
5. Education Technology – July 2025 Cycle: https://onlinecourses.swayam2.ac.in/nou25_ed46/preview
6. Education Technology – Jan 2025 Cycle: https://onlinecourses.swayam2.ac.in/nou25_ed24/preview
7. Entrepreneurship Skills & Digital Marketing Strategies – July 2025 Cycle: https://onlinecourses.swayam2.ac.in/nou25_mg21/preview
8. Entrepreneurship Skills & Digital Marketing Strategies – Jan 2025 Cycle: https://onlinecourses.swayam2.ac.in/nou25_mg10/preview

9. Workplace Skills for 21st Century Learners – July 2025 Cycle: https://onlinecourses.swayam2.ac.in/nou25_ge94/preview
10. Essential Life Skills for 21st Century Learners – July 2025 Cycle: https://onlinecourses.swayam2.ac.in/nou25_ge93/preview
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13. Introduction to Cyber Security – July 2024 Cycle: https://onlinecourses.swayam2.ac.in/nou24_cs13/preview
14. Introduction to Cyber Security – Jan 2024 Cycle: https://onlinecourses.swayam2.ac.in/nou24_cs04/preview
15. Introduction to Cyber Security – July 2023 Cycle: https://onlinecourses.swayam2.ac.in/nou23_cs10/preview
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18. Introduction to Cyber Security – Jan 2022 Cycle: https://onlinecourses.swayam2.ac.in/nou22_cs04/preview
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20. Introduction to Cyber Security – Jan 2021 Cycle: https://onlinecourses.swayam2.ac.in/nou21_cs01/preview
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24. Digital Forensics – Jan 2022 Cycle: https://onlinecourses.swayam2.ac.in/nou22_cs05/preview
25. Digital Forensics – July 2022 Cycle: https://onlinecourses.swayam2.ac.in/nou22_cs09/preview
26. Digital Forensics – Jan 2023 Cycle: https://onlinecourses.swayam2.ac.in/nou23_cs05/preview

27. Digital Forensics – July 2023 Cycle:
    https://onlinecourses.swayam2.ac.in/nou23_cs11/preview
28. Digital Forensics – Jan 2024 Cycle:
    https://onlinecourses.swayam2.ac.in/nou24_cs05/preview
29. Digital Forensics – July 2024 Cycle:
    https://onlinecourses.swayam2.ac.in/nou24_cs14/preview
30. Digital Forensics – Jan 2025 Cycle:
    https://onlinecourses.swayam2.ac.in/nou25_cs05/preview
31. Digital Forensics – July 2025 Cycle:
    https://onlinecourses.swayam2.ac.in/nou25_cs19/preview
32. Fundamentals of Financial Inclusion & Cyber Safety – July 2025 Cycle:
    https://onlinecourses.swayam2.ac.in/nou25_ge92/preview
33. Development of Online Courses for SWAYAM – Link
34. Sustainable Aquaculture – July 2025 Cycle:
    https://onlinecourses.swayam2.ac.in/nou25_bt13/preview
35. Micro-Economics for Business – July 2025 Cycle:
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