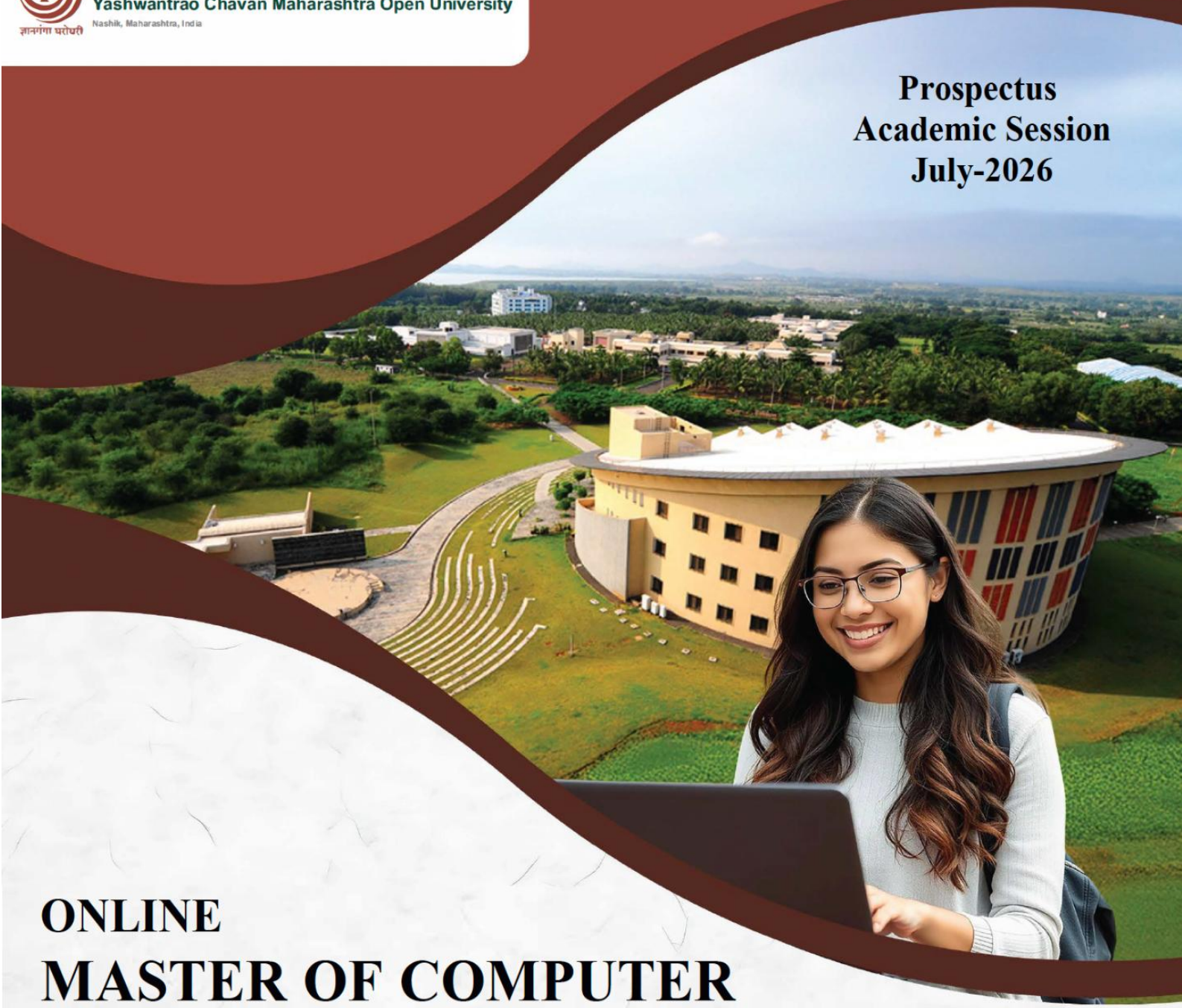
यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ
Yashwantrao Chavan Maharashtra Open University
Nashik, Maharashtra, India
ज्ञानगंगा घरोघरी

Prospectus
Academic Session
July-2026



ONLINE
MASTER OF COMPUTER APPLICATION (MCA) (PGP01)

ज्ञान-विज्ञान विमुक्तये

ACCREDITED WITH GRADE A NAAC

www.ycmouonline.ac.in

यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ
Yashwantrao Chavan Maharashtra Open University
ज्ञानगंगा घरोघरी Nashik, Maharashtra, India

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1. Academic Calendar

EVENT	ACTIVITIES	July Session		January Session	
		From	To	From	To
Admission Process	Registration > Fee Payment > Verification > Enrolment	MAY	As per UGC Notification	NOV	As per UGC Notification
Online Program Orientation	Program Orientation (Virtual)	JUL	AUG	JAN	FEB
Academic Commencement	Access to Academic Courses on the LMS Portal	JUL	AUG	JAN	FEB
Virtual Classes	Online Classes for Courses	AUG	NOV	FEB	MAY
Assessment 1	First Internal Assessment Submission	AUG	SEP	FEB	MAR
Assessment 2	Second Internal Assessment Submission	OCT	NOV	APRIL	MAY
Evaluation of Assignments	Evaluation of Assignments	SEP	NOV	MAR	MAY
Examination Notification	Notification of End - Term Examination Schedule	NOV		MAY	
Examination Guidance Session	Webinar on End-Term Examination	NOV		MAY	
Examination	Semester End Term Examination Including Practical/Lab Examination	DEC		JUNE	
Result Declaration	Declaration of Semester End Result	JAN		JULY	

Note: Learners must refer to the Learning Portal for more information and timelines of Academic Activities.

2. About the School of Digital Education, Centre for Online Education



The School of Digital Education, Centre for Online Education is one of the schools of study at the headquarters of Yashwantrao Chavan Maharashtra Open University (YCMOU). The school is committed to bringing innovation and accessibility to the forefront of higher education through digital means. It aims to provide flexible, inclusive, and high-quality learning opportunities to all segments of society, empowering learners with essential skills and knowledge for the modern world.

The school envisages:

- Provide accessible and flexible online education through electronic devices such as computers, mobiles, and laptops using internet-based platforms.
- Offer 24x7 study access to learners, especially those unable to attend traditional classroom sessions regularly, enabling education from any location.
- Facilitate learning through multimedia resources like audio, video, animations, text, and interactive chats with tutors to enhance engagement and skill development.
- Encourage lifelong learning by offering various professional and personal development courses that can be pursued from home.
- Address educational challenges like geographical constraints and connectivity issues by leveraging mobile and digital technology.
- Develop certificate, diploma, and degree programmes in e-learning along with support services such as learner guidance and faculty training.
- Promote quality education not just in Maharashtra but across the country through a virtual learning environment that is affordable and accessible anytime, anywhere.
- Support digital inclusion by creating opportunities for learners who have been traditionally deprived of formal education

3. About the School of Computer Science

The School of Computer Science is one of the schools of studies in the University. Through its quality policy, the School aims to enhance and sustain excellence of its educational programmes. It has a vision to create computer literacy by taking computer education to the masses.

The School envisages to:

- Develop degree, postgraduate and research level computer programmes for creating professional manpower required by the IT industries.
- Develop need-based and job-oriented short-term computer programmes to meet the huge demand of IT skilled manpower in business and industry.
- Ensure relevance of programmes by updating the curriculum dynamically.
- Provide e-Learning support to its learners.
- Establish tie-ups with industries and other educational institutions to share experience and knowledge.
- Carry out research that will help in developing new methods, tools and techniques useful for computer education and applications.
- The School imparts computer education through its Authorized Learner Support Centres.

4. Need for Programme

The Master of Computer Applications (MCA) Programme at YCMOU is designed to meet the growing demand for skilled IT professionals and software developers. The programme helps learners acquire advanced knowledge in computer applications, software development, networking, database management, and emerging technologies.

Why is MCA Needed?

Advanced Technical Knowledge

Provides in-depth understanding of programming, software engineering, databases, operating systems, networking, and web technologies.

Develops analytical and problem-solving skills required in the IT industry.

Career Opportunities in IT

Prepares students for careers as Software Developers, System Analysts, Database Administrators, Web Developers, IT Consultants, and Project Managers.

Enhances employability in software companies, government organizations, banks, Educational institutions and startups.

Industry-Relevant Skills

Focuses on both theoretical foundations and practical applications of computing.

Includes laboratory work and project-based learning to develop industry-ready skills.

Adaptation to Emerging Technologies

Helps learners keep pace with rapidly evolving technologies such as cloud computing, artificial intelligence, data analytics, cybersecurity, and mobile application development.

Higher Education and Research

Provides a strong foundation for pursuing research, doctoral studies, and specialized certifications in computer science and information technology.

Flexibility for Working Professionals

YCMOU's online learning system allows learners to continue their education while managing jobs, family responsibilities, or other commitments.

5. Programmes offered by the School of Digital Education

Programme Code	Name of the programme	Duration	* Valid registration period
PGP01	Online Master of Computer Applications (MCA)	2 years	4 years
UGP06	Online Bachelor of Computer Applications (BCA)	3 years	6 years
UGG01	Online Bachelor of Commerce (B.Com)	3 years	6 years
P130	Online Master of Business Administration (MBA)	2 years	4 years
C235	MKCL LEAP Skill Enhancement Program	3 Months to 1 Year	1 Year
C237	L&T Edutech Skill Enhancement Program	1 Year	1 Year

*** Re-registration:** A learner who fails to complete the programme within the valid registration period will have to re-register for the programme if the programme is on offer at that time.

6. Eligibility and Documents to be uploaded while applying

(I) Eligibility

SN	Year	Qualification
1	First Year MCA	1. Qualified (Non zero score) in Common Entrance Test for MCA conducted by YCMOU. AND 2. Passed any graduation degree (e.g.: B.E. /B.Tech./ B.Sc. / B.Com. / B.A./ B. Voc./BCA etc.,) preferably with Mathematics at 10+2 level or at Graduation level

		[Those who do not have Mathematics as one of the subject at 10+2 level or graduation level will be required to pursue and pass the C267 : Online Certificate in Mathematics Programme concurrently with the First year of MCA.]
2	Second Year MCA	First Year MCA(PGP01) registered

(II) Documents to be uploaded while applying

SN	Year	Documents to be uploaded
1	First Year MCA	1) Result of Common Entrance test conducted by YCMOU 2) Age Proof (Birth Certificate/Driving License/Aadhar Card/ PAN Card/ Leaving Certificate) 3) Statement of Marks of all years of Graduation 4) Statement of Marks and Certificate of Std 12th (Entry Eligibility for graduation) OR 5) Statement of Marks, Certificate of Std 10th AND Statement of Marks, Certificate of all 3 years of Diploma OR 4) Statement of Marks, Certificate of Std 12th AND Statement of Marks, Certificate of all 2 years of Diploma OR 5) Statement of Marks, Certificate of Std 10th AND Certificate, Statement of Marks of all 2 years of ITI having NSQF Level 4.0 OR 4) Statement of Marks, Certificate of Std 10th AND Certificate, Statement of Marks of all 2 years of Maharashtra State Board of Vocational Education course
2	Second Year MCA	First Year MCA Mark sheet or FY MCA Hall Ticket

7. Language of Instruction

The medium of instruction, live classes, and examinations for all courses will be English only.

E-Learning Material (ELM) for all Courses is available in English (Video, PDF, assessments, etc.) in the Learning Portal.

8. Programme Structure

Online M.C.A. (Master of Computer Applications) [PGP01]

Course Code	Course Name	Theory/ Practical/ Project	Study Duration (HRS)	Credit Points	Passing Marks
Semester- I					
MCA518	Database Technologies	Theory	120	4	40/100
MCA519	Java Programming	Theory	120	4	40/100
MCA520	Lab on Java Programming	Practical	60	2	20/50
MCA521	Lab on Database Technologies	Practical	60	2	20/50
	Elective Course (MCA522,MCA523) OR (MCA524,MCA525)				
MCA522	Cloud Computing	Theory	60	2	20/50
MCA523	Lab on Cloud Computing	Practical	60	2	20/50
	OR				
MCA524	Introduction to IoT	Theory	60	2	20/50
MCA525	Lab on IoT	Practical	60	2	20/50
MCA599	Research Methodology	Theory	120	4	40/100
MCA526	Professional Communication & Ethics	Theory	60	2	20/50
					220/550
Semester- II					
MCA527	Mathematical Foundations for Computer Science	Theory	60	2	40/100
MCA528	Web Technology	Theory	120	4	40/100
MCA529	Advanced Java	Theory	120	4	40/100
MCA530	Lab on Advanced Java	Practical	60	2	20/50
MCA531	Lab on Web Technology	Practical	60	2	20/50
	Elective Course (MCA532,MCA533) OR (MCA534,MCA535)				
MCA532	Python Programming	Theory	60	2	20/50
MCA533	Lab on Python Programming	Practical	60	2	20/50
	OR				
MCA534	Data Analytics	Theory	60	2	20/50
MCA535	Lab on Data Analytics	Practical	60	2	20/50
MCA536	Industry Internship (OJT and Field Project)	FP	120	4	40/100
					220/550
Semester- III					
MCA616	Artificial Intelligence	Theory	120	4	40/100
MCA617	Object-Oriented Analysis and Design	Theory	60	2	40/100
MCA618	Mobile Application Development	Theory	120	4	40/100

MCA619	Computer Networks	Theory	120	4	40/100
MCA620	Lab on Mobile Application Development	Practical	60	2	40/100
	Elective Course (MCA621,MCA622) OR (MCA623,MCA624)				
MCA621	Cyber Security	Theory	60	2	20/50
MCA622	Lab on Cyber Security	Practical	60	2	20/50
	OR				
MCA623	Web Frameworks	Theory	60	2	20/50
MCA624	Lab on Web Frameworks	Practical	60	2	20/50
MCA625	New Trends in IT	Theory	60	2	20/50
					220/550
Semester- IV					
MCA626	Business Intelligence	Theory	120	4	40/100
MCA627	Machine Learning	Theory	120	4	40/100
MCA628	Agile Methodologies	Theory	120	4	40/100
MCA629	Lab on Business Intelligence	Practical	120	2	20/50
MCA630	Lab on Machine Learning	Practical	60	2	20/50
MCA631	Major Project/Internship	FP	180	6	40/100
					200/500

9. Fees Structure

Programme Fees:

The Total Programme Fee consists of the following independent parts:

- **Mandatory Fees:** Mandatory fees include fees towards Prospectus, Registration, Eligibility Checking, Identity Card, E-Suvidha / E-Services, Sanwad, Sports, Student Welfare (DSW), Chancellor's Office Events, Disaster Management, Library, NSS, Student Insurance, Convocation and Alumni.

- **Tuition Fee:** The Tuition Fee is expected to cover the expenditures incurred or to be incurred by the university on various academic and administrative activities related to the programme.

- **Examination Fees:** The exam fees include the examination fees for the first attempt.

Sr. No.	Name of the programme	Year	Mandatory Fee	Tuition Fee	Exam Fee	Total Programme Fee
1	Master of Computer Applications (MCA)[PGP01]	FY	676	20854	3470	25000
		SY	1026	20964	3010	25000
2	Certificate in Mathematics (C267)		449	331	420	1200

The Learner will be required to pay total Programme fees while taking online admission.

Common Entrance Test Fees: Rs.500/- per attempt. Maximum three attempts are allowed.

Mandatory Fee Breakup

Sr. No.	Nature of Fees	FY	SY	Certificate
1	Registration	200	200	200
2	Eligibility	100	0	100
3	Identity Card	10	0	10
4	Prospectus	50	50	50
5	e-Suvidha/e-Services	118	118	59
6	Library	10	10	0
7	Chancellor's Office Events	38	38	0
8	Sports	50	50	0
9	DSW	50	50	0
10	Disaster Management	10	10	0
11	NSS	10	10	0
12	Alumni	0	10	10
13	Sanwad	10	10	0
14	Graduation/Convocation	0	450	0
15	Learner Insurance	20	20	20
	Total	676	1026	449

10.Registration of Learners

Admission Process: Admission Process is fully Online, For admission, please visit the university portal / (http://www.ycmouonline.ac.in) and follow the necessary steps.

11.Common Entrance Test

The candidates seeking admission to the Online Master of Computer Applications (MCA) programme of this University will have to appear for the Common Entrance Test conducted by the university and get the qualifying marks in it. Candidates must obtain a non-zero score to become qualified for MCA admission.

Please refer to Appendix -B for More information on the Common Entrance Test

12.Re-registration

The valid registration period for MCA will be 4 years, including the year of first-year registration. The learner should complete MCA successfully within this period.

After the expiry of the valid registration period, the learner should re-register i.e. take fresh admission to the programme (provided the University continues to offer this programme at that time) by paying to the University the fees specified at that time. All the rules and regulations, which exist at the time of re-registration, will apply to the learner.

The entire re-registration process will be conducted online.

Programme	Mandatory fees	University Fee	Re-registration validity
MCA	As specified by the University at the time of re-registration	University Fee of Second Year of respective programme	2 years

1. Project fees will be charged separately and are not included in the above fees.
2. The learner must complete the incomplete courses by filling the repeater examination form and paying the fees (as declared by the examination section).
3. If the course syllabus is revised, the learner will have to take an exam based on the revised syllabus.
4. If the course is not available at the time of re-registration then the school will assign the alternate course available at that time. It will be the learner's responsibility to learn the new course on his own.
5. Learners should proactively visit the university portal and be in touch with the Programme Coordinator of the Programme. No separate communication will be done with the learner by the university.

13. Teaching Learning Process

These courses are delivered online with self-learning content complemented by interactive support. Students learn through rich multimedia content – video lectures, digital reading materials, case studies, and automated assessments – accessible on the Online Learning Management System (LMS) anytime, anywhere.

There are various types of learners taking admission for the programmes in YCMOU.

1. Working/ In job persons.
2. Fresh learners doing dual degrees.
3. Fresh learners doing only a YCMOU degree.

The program utilizes an online mode for content delivery:

- E-tutorial video lectures
- E-content and reading materials

- Self-assessment Quizzes/ Assignments

The learning experience is structured but flexible: there are suggested timelines and milestones, but no physical classes to attend. This means a student in any location can progress through the material at a comfortable pace, revisiting difficult concepts as needed.

Overall, the delivery model is interactive, practical, and aligned to working-world scenarios, preparing students to readily apply what they learn to real business problems.

Assessments at the end of each topic ensure knowledge assimilation. This eLearning approach provides hands-on exposure through case studies and exercises, fostering independent learning.

A. E-Content- E-Learning Materials (ELM):

- Comprehensive course modules in PDF format
- Structured content with learning objectives, summaries, and self-assessment questions
- Downloadable for offline study

B. E-Tutorials - Video Lectures:

- Pre-recorded lectures by expert faculty
- Available 24/7 on LMS

C. Live Interactive Sessions:

- Online Live classes from Expert Faculties via video conferencing
- Interactive discussions and Q&A
- Live coding demonstrations
- Problem-solving workshops
- Recorded for later viewing

D. Virtual Laboratories:

- Cloud-based programming environments
- Simulation software for networking and database labs
- Step-by-step lab manuals
- Online supervision and assistance

E. Discussion Forums:

- Course-specific forums for peer learning
- Faculty moderation and participation
- Collaborative problem-solving
- Knowledge sharing community

F. Assignments and Projects:

- Regular assignments for continuous assessment
- Mini-projects in each course
- Major capstone project
- Industry-based internship

14.Web-Based Learning Management System and Platforms:

YCMOU's state-of-the-art, mobile-responsive Learning Management System (LMS) provides a seamless digital learning experience, enabling learners to access course content, participate in live interactive sessions, collaborate with faculty and peers, submit assignments, and undertake secure online assessments anytime, anywhere.

Communication Tools:

- LMS Integrated Conference Tool for live sessions
- Email for formal correspondence
- LMS Notification

Collaboration Tools:

- LMS Forum Discussion Module

Development Tools:

- VS Code, IntelliJ IDEA (student licenses)
- AWS Academy/Azure for Students accounts
- Android Studio, Docker
- Database tools (MySQL Workbench, MongoDB Compass)

Assessment Tools:

- Assignment submission portal
- Programming assignments
- Online Proctored examination portal

Sports, Cultural and Research Competitions

The Department of Student Welfare in the university, conducts sports, cultural and research competitions at Regional Level. The selected learners/ team of learners get the opportunity to participate at the University level event. The selected learners/ teams represent the university at Inter University Competitions held every year.

15.Evaluation

Examinations will be conducted online under Proctored Mode. To successfully complete the academic program, the learner must successfully complete all courses in it.

The performance at the examinations for all the courses in the academic program (except those which are "exempted") shall determine the overall class / division / Cumulative Grade Performance Average (CGPA).

Assessment Philosophy:

The evaluation system is designed to:

- Assess continuous learning and progress
- Evaluate both theoretical knowledge and practical skills
- Encourage regular study and engagement
- Ensure fairness and transparency
- Prevent malpractice and maintain academic integrity

Assessment Pattern

The assessment of each course shall comprise the following components:

Component	Type	Weightage
Internal Assessment	Continuous Evaluation (Two Assignments)	30%
External Assessment	Final Online Proctored Examination	70%
Total	Final Course Grades	100%

Internal Assessment (30%)

Internal Assessment shall consist of two mandatory components:

Assignment 1: Module Tests (Objective)

a) Each course shall be divided into units/modules.
b) A Module Test shall be conducted for each unit in MCQ format.
c) Each test shall be conducted through the LMS with auto-evaluation.
d) The cumulative performance across all module tests shall constitute 15% weightage.

Assignment 2: Descriptive Assessment

a) Students shall submit one Descriptive Assignment per course.
b) The assignment shall include short-answer, long-answer, and/or case-based questions.

c) The assignment shall carry 15% weightage.
d) Evaluation shall be based on a defined rubric including conceptual clarity, analytical ability, structure, and originality.
e) Submission shall be through the University LMS within prescribed timelines.

End Semester Examination (ESE) - 70 Marks:

a) The External Assessment shall be conducted as a Final Online Proctored Examination.
b) The examination shall be of 3 hours duration.
c) The question paper shall include a hybrid format comprising MCQs, short-answer, and descriptive questions.
d) The examination shall be conducted using secure proctoring systems, including AI-based and/or human invigilation.

Examination Format:

Theory Courses:

- Duration: 3 hours
- Total Marks: 70
- Question Paper Pattern:
- Section A: Short answer questions (10 × 2 = 20 marks)
- Section B: Medium answer questions (5 × 6 = 30 marks)
- Section C: Long answer questions (2 × 10 = 20 marks)
- Choice provided within sections
- Emphasis on application, analysis, and problem-solving

Laboratory Courses:

- Practical examination: 50 marks
- Practical exercises/programming tasks: 30 marks
- Viva voce: 10 marks
- Lab notebook: 10 marks
- Duration: 2-3 hours
- Virtual lab environment or on-campus lab

Project/Internship Evaluation:

- Continuous evaluation during internship: 20%
- Final project
- Project report: 30%
- Project presentation/viva: 30%

- Industry mentor evaluation: 20%
- Total: 100 marks

Passing Criteria

a) A learner must secure a minimum of 40% marks in Internal Assessment.

b) A learner must secure a minimum of 40% marks in External Examination.

c) A minimum of 40% aggregate marks is required to pass the course.

d) Passing in both Internal and External components separately is mandatory.

Learners Evaluation with Grade system:

1. The examination system shall be same as that with the marking with the following additional changes:
2. The marks scored by the learner shall be converted into grade points using rules approved by the university authority.
3. Letter Grade: It is an index of the performance of students in a said course. Grades are denoted by letters O, A+, A, B+, B, C, P and F. The UGC recommends a 10-point grading scheme with the following letter grades and points as given below:

Letter Grade and description	Grade Point
O (Outstanding)	10
A+(Excellent)	9
A(Very Good)	8
B+(Good)	7
B(Above Average)	6
C(Average)	5
P (Pass)	4
F(Fail)	0
Ab (Absent)	0

ABOUT NON-CREDIT AUDIT COURSE CYBER SECURITY
(ONLINE NON-CREDIT AUDIT COURSE)

As per the directions of the University Grants Commission, Yashwantrao Chavan Maharashtra Open University has implemented a 'Cyber Security' course for students admitted to undergraduate and postgraduate degree programmes from the academic year 2024-25. This audit course is compulsory for all Undergraduate (UG) and Postgraduate (PG) programmes. The student must complete this online non-credit audit course at semester III of the respective programme. Only after passing the 'Cyber Security' course, students will get their degree certificate. The attached Appendix 1 provides detailed information in this regard.

16. Award of Degree

Award of Degree: A learner becomes eligible for the award of the **Master of Computer Applications** degree after successful completion of the programme.

17. Contact Points at YCMOU

Type of Issue	Contact Points
Admission Process	The Admission Support Office admissions@ycmouonline.ac.in
Learning Support	Student Support Office support@ycmouonline.ac.in
Registration Related Matters	Registration Head, nondani@ycmou.digitaluniversity.ac Ph: (0253) 2230580, 2231715
Registration, Student Services and LSC Related Matters/Grievances	Director, Student Services Division dir_ssd@ycmou.digitaluniversity.ac Ph: (0253) 2231478
Examination related matters	Deputy Registrar, Examination Unit- 2 examcomp.ycmou@gmail.com Ph: (0253) 2230058/2231479
Examination related grievances	The Controller of Examination coe@ycmou.digitaluniversity.ac Ph: (0253 Ph: (0253) 2230058/ 2231479)
Academic matters	School of Digital Education support@ycmouonline.ac.in
Grievances related to Program	Director, School of Digital Education dir_sol@ycmou.ac.in

18. Contact Details of the Regional Centres

Sr. No.	Name & Address of Region	District	Regional Director's Email-id Phone
1	Amravati Region YCMOU Regional Centre, V.M.V. To Valgoan Road, Post V.M.V., Amravati - 444 604	Akola Amravati Buldhana Yawatmal Washim	rd_amravati@ycmou.digitaluniversity.ac (0721) 2531445
2	Chhatrapati Sambhajinagar Region . YCMOU Regional Centre, Survey No.41, Near Military Hostel, Nandanwan	Chhatrapati Sambhajinagar Beed Jalna	rd_aurangabad@ycmou.digitaluniversity.ac (0240) 2371066, 2371077

	Colony, Chhavni,Chatrapati Sambhajinagar - 431 002	Dharashiv	
3	Mumbai Region YCMOU Regional Centre, JagannathShankarsheth M.N.C. Primary Marathi School, Frear bridge(South),Nana Chowk, Grant Road (W) Mumbai 400 007	Mumbai Raigad Thane Palghar	rd_mumbai@ycmou.digitaluniversity.ac (022) 23874186, 23874183, 23874177
4	Nagpur Region YCMOU Regional Centre, Subhedar Hall, University Sports Area, Law College Campus, RavinagarChouk, Amravati Road, Nagpur-440001	Bhandara Chandrapur Gadchiroli Nagpur Wardha Gondia	rd_nagpur@ycmou.digitaluniversity.ac (0712) 2553724, 2553725
5	Nashik Region YCMOU Regional Centre, Old Municipal Corporation Building, New Pandit Colony, Nashik - 422 002	Ahilyanagar Dhule Jalgaon Nashik Nandurbar	rd_nashik@ycmou.digitaluniversity.ac (0253) 2317063
6	Pune Region YCMOU Regional Centre, Shahir Annabhau Sathe Prashala Gruha, School No. 5 (Boys), 654, SadashivPeth, Kumthekar Marg, Pune 411 030	Pune Satara Solapur	rd_pune@ycmou.digitaluniversity.ac (020) 24457914
7	Kolhapur Region YCMOU Regional Centre, Near Post Office Shivaji University Campus, Kolhapur 416 004	Kolhapur Sangli Ratnagiri Sindhudurg	rd_kolhapur@ycmou.digitaluniversity.ac (0231) 2607022
8	Nanded Region YCMOU Regional Centre, SRT Marathwada University Area, Zari Road, Near Military Boy's Hostel, Nanded - 421 606	Latur Nanded Parbhani Hingoli	rd_nanded@ycmou.digitaluniversity.ac (02462) 229940, 283038

Appendix- 1

Cyber Security Course (UG)-English (CSC103)

Component	Details
Course Title	Cyber Security Course (PG)
Course Code	CSC103
Mode of Delivery	Online – LMS Based (Self-learning modules, activities, assessments)
Language	English
Target Audience	Postgraduate Students (All Streams)
Assessment Pattern	Continuous Assessment (CA): 15 Marks University Assessment (UA): 35 Marks
Total Marks	50
Final Exam	Online MCQ Examination through LMS (Multiple Attempts)
Portal Link	https://cs.ycmouonline.ac.in/
Login Credentials	User ID: Student PRN Number Password: cs123
Course Objectives	1. To introduce basic concepts of cyber security and cyberspace. 2. To create awareness about cybercrimes and legal remedies. 3. To educate students on safe use of social media and digital payments. 4. To develop responsible digital behavior and cyber hygiene.
Course Outcomes	1. Understand core concepts of cyber security and cyber threats. 2. Identify common cybercrimes and reporting mechanisms. 3. Apply best practices for social media and digital payment security. 4. Secure personal computers and mobile devices effectively.
Course Access Procedure	1. Visit the portal https://cs.ycmouonline.ac.in/ 2. Login using PRN and password (cs123)

	3. Change password after first login 4. Continue → My Courses 5. Open Cyber Security Course
Important Instructions	• Course completion is mandatory before final exam • Internet connectivity required • Mobile: Minimum 4G • Laptop/Desktop: Minimum 600 Kbps



यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक
नॅक मानांकित 'अ' श्रेणी
ज्ञानगंगोत्री, गंगापूर धरणजवळ, गोवर्धन नाशिक - ४२२ २२२ (महाराष्ट्र) भारत

Yashwantrao Chavan Maharashtra Open University, Nashik
NAAC Accredited 'A' Grade
Dnyangangotri, Near Gangapur Dam, Govardhan Nashik - 422 222 (Maharashtra) India

संकेतस्थळ Website : •www.ycmou.ac.in •https://ycmou.digitaluniversity.ac
ई-मेल E-mail : dir_sol@ycmou.ac.in दूरध्वनी Telephone : (0253) 2230191

स्कूल ऑफ डिजीटल एज्युकेशन / School of Digital Education

SODE/2026/JAN/508 Date: 02/01/2026

परिपत्रक

विद्वत परिषदेच्या दि. २८/०५/२०२४ रोजी झालेल्या बैठकीतील विषय क्र. ६३.३.१५.३ नुसार, शैक्षणिक वर्ष २०२४–२५ पासून पदवी (UG) व पदव्युत्तर (PG) शिक्षणक्रमांसाठी **सायबर सिक्युरिटी** हा अभ्यासक्रम अनिवार्य करण्यात आलेला आहे. तथापि, सदर अभ्यासक्रमाची अंमलबजावणी सुरू असली तरी तो अद्याप संबंधित **Programme Structure** चा भाग नसल्यामुळे विद्यार्थ्यांना अभ्यासक्रमाविषयी माहिती मिळण्यात तसेच प्रवेश प्रक्रियेत अडचणी निर्माण होत असल्याचे निदर्शनास आले होते.

या पार्श्वभूमीवर, **सायबर सिक्युरिटी ऑडिट** हा अभ्यासक्रम प्रत्येक UG व PG शिक्षणक्रमाच्या **Programme Structure** मध्ये समाविष्ट करण्यात यावा, असा ठराव **स्कूल ऑफ डिजिटल एज्युकेशन**च्या विद्याशाखा परिषदेने दि. **२६ डिसेंबर २०२५** रोजी मान्य केला असून, त्यास मा. कुलगुरूंनी विद्वत परिषदेच्या वतीने मान्यता दिली आहे.

त्यानुसार, **जानेवारी २०२६** पासून सदर अभ्यासक्रम UG व PG च्या **द्वितीय वर्षात (तृतीय सेमिस्टरमध्ये)** तसेच **B.Lib & I.Sc.** आणि **M.Lib & I.Sc.** या एक वर्षीय शिक्षणक्रमांमध्येही समाविष्ट करण्यात यावा. त्याच अनुषंगाने, प्रत्येक शिक्षणक्रमाच्या द्वितीय वर्षांसाठी तसेच एक वर्षीय शिक्षणक्रमासाठी शुल्कामध्ये रु. **१२०/-** (Tuition Fee रु. **१००/-** + Exam Fee रु. **२०/-**) इतकी वाढ करण्यात यावी.

मा. कुलगुरू महोदय यांच्या निर्देशानुसार वरील निर्णयाची अंमलबजावणी सर्व संबंधित विद्याशाखांनी आपल्या शिक्षणक्रमांच्या Programme Structure मध्ये आवश्यक ते बदल करून कार्यवाही तात्काळ करावी, असे सूचित करण्यात येत आहे.

डॉ. गोविंद [illegible]
कुलसचिव (प्र.)

प्रत —
- मा. कुलगुरू कार्यालय
- मा. प्र. कुलगुरू कार्यालय
- मा. परीक्षा नियंत्रक
- मा. सर्व विद्याशाखा संचालक

Appendix- A

Instructions for creating the Academic Bank of Credits (APAAR ID)

As per the National Education Policy 2020, it is mandatory for the learner to create the Academic Bank of Credits-ID. The learner is required to fill up the information regarding his/her Certificates, Diploma and name of the Degree in the DigiLocker (ABC-NAD) or else it won't be possible to transfer the credits he/she will earn through other programmes. He/ She can register his/her Academic Bank of Credits-ID at the portal https://www.abc.gov.in, or he/she can visit the university's website at www.ycmou.ac.in, wherein he/she is supposed to click on the 'Student Zone' tab. Under the student Zone tab, he/she will find the

'Academic Bank of Credits' option. After clicking on the Academic Bank of Credits option, he/she will get information and PPTs of how he/she can create his/her Academic Bank of Credits-ID.

Instructions for creating the Distance Education Bureau (DEB ID)

DEB ID is a unique ID that is to be mandatorily created by the learner who wishes to get admission in ODL/Online Programme. The purpose of the DEB-ID is to ensure that learners are taking admission in the ODL/Online programmes of the Higher Educational Institutes (HEIs) which are recognized by the Commission. This process will facilitate the learner about the recognised/entitled HEIs and approved programme. It is valid for students across a life cycle of ODL/OL mode of learning.

Please refer UGC DEB Portal for more details. https://deb.ugc.ac.in/StudentDEBId

Appendix - B

YCMOU Common Entrance Test

The candidates seeking admission to the Online Master of Computer Applications (MCA) programme of this University will have to appear for the Common Entrance Test conducted by the university and get the qualifying marks in it.

The Common Entrance Test will be conducted online and will have the duration of 50 minutes. The test consists of 50 multiple choice questions, carrying a maximum of 100 marks (each question 2 Marks). Candidates must obtain a non-zero score for becoming qualified for MCA admission. The candidate will have a choice to take the Mock test before appearing for CET.

Schedule of Common Entrance Test: The schedule will be declared by a separate notification by the University. Students are requested to see the YCMOU website for the same.

Test: The schedule will be declared by a separate notification by the University. Students are requested to see YCMOU website for the same.

Nature and Composition of CET:

- All the questions are of the 'multiple choice' type, having four options.
- The candidate has to 'select' the most correct option as the correct answer.
- No negative marking for wrong answers.
- The test consists of the following sections.

Sr. No.	Section	Details	No. of Questions and Marks
1	Mathematics and Statistics	The questions will cover the following topics of high school mathematics (up to the12th Standard) • Algebra: Fundamental operations in Algebra, Expansion, factorization, Quadratic equations, indices, logarithms, arithmetic, geometric and harmonic progressions, binomial theorem, permutations and combinations. • Co-ordinate Geometry: Rectangular Cartesian co-ordinates, equations of a line, mid- point, intersections etc., equations of a circle, distance formulae, pair of straight lines, parabola, ellipse and hyperbola, simple geometric transformations such as translation, rotation, scaling. • Differential Equations: Differential equations of first order and their solutions, linear differential equations with constant coefficients, homogenous linear differential equations. • Trigonometry: Simple identities, trigonometric equations, properties of triangles, solution of triangles, height and distance, inverse function. • Probability and Statistics: Basic concepts of probability theory, Averages, Dependent and independent events, frequency distributions, and measures	12 Questions 24 Marks

		of dispersions, skewness and kurtosis, random variable and distribution Functions, mathematical expectations, Binomial, Poisson, normal distributions, curve fitting, and principle of least squares, correlation and regression. • Arithmetic: Ratios and proportions, problems on time-work, distance- speed, percentage, etc. • Basic Set Theory and Functions: Set, relations and mappings. • Mensuration: areas, triangles and quadrilaterals, area and circumference of circles, volumes and surface areas of simple solids such as cubes, spheres, cylinders and cones	
2	Logical/ Abstract Reasoning	This shall include the questions to measure how quickly and logically you can think. This section will cover logical situations and questions based on the facts given inthe passage. This test shall check the problem solving capability of the candidate.	12 Questions 24 Marks
3	English comprehension & verbal ability	Questions in this section will be designed to test the candidate's general understanding of the English language. There will be questions on the topics such as Basic English grammar, vocabulary, comprehension, synonyms antonyms, sentence correction, word & phrases, jumbled paragraph.	11 Questions 22 Marks
4	Computer Concepts	• Computer Basics: Organization of a computer, Central Processing Unit (CPU), Structure of instructions in CPU, input/output devices, computer memory, memory organization, back-up devices. • Data Representation: Representation of characters, integers, and fractions, binary and hexadecimal representations, Binary Arithmetic: Addition, subtraction, division, multiplication, signed arithmetic and two's complement arithmetic, floating	15 Questions 30 Marks

		point representation of numbers, normalized floating point representation, Boolean algebra, truth tables, Venn diagrams. • Computer Architecture: Block structure of computers, communication between processor and I / O devices, interrupts. • Computer Language: Assembly language and high level language, Computer Programming in C. • Operating System basics	

To prepare effectively for the CET, you can refer to various books and online resources. List of some reference books and digital resources are given below:

Reference Books:

• Maharashtra MCA CET By Chandresh Agrawal
• Mathematics for MCA Entrance Examination by Amit Choudhary and Neelam Choudhary.
• Quantitative Aptitude for Competitive Examinations" by R.S. Aggarwal
• A Modern Approach to Verbal & Non-Verbal Reasoning" by R.S. Aggarwal
• Objective General English" by S.P. Bakshi
• Analytical Reasoning Books by M.K Pandey.

Website:

• ww.indiabix.com
• www.geeksforgeeks.org
• ww.tutorialspoint.com
• www.sanfoundry.com

Sample Questions:

Q 1. What is an operating system's most fundamental function?
(a) Providing a database management system.
(b) Providing a graphical software development environment.
(c) Providing backward compatibility with older processors.
(d) Providing an efficient virtual machine abstraction.

Q 2. Which of the following operations is performed when the computer is turned On?
(a) Processing (b) Booting (c) Saving(d) Editing

Q .3 You've cleared the examination, haven't you?
(a) Frequent (b) ability (c) conclusion (d) entrance

Q 4. A small stone is called a mosaic?
(a) Design (b) structure (c) pattern (d) mound

Q 5. Find the next number in the sequence: 2, 6, 12, 20,
(a) 28 (b) 30 (b) 32 (d) 34

Q 6. Eight friends Ajay, Vikas, Ronak, Amit, Gaurav, Nikhil, Neeraj and Sagar are sitting at a circular table having their dinner. Amit is sitting between Ajay and Gaurav. Aurav is sitting second to the right of Nikhil. Vikas is sitting between Ronak and Neeraj. Nikhil is sitting between Neeraj and Sagar. Who is sitting between Ronak and Amit?
(a) Ajay(b) Vikas (c) Neeraj (d) Sagar

Q 7. Find the odd one out from the given set of numbers. 14, 28, 35, 46, 56, 84
(a) 56 (b) 84 (c) 35 (d) 46

Appendix - C

UGC approval letter for the University

UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI-110002.

NO F.5-15/89 (OPP-I) December, 1992

The Secretary
Govt. of Maharashtra
Higher and Technical
Education and Employment Deptt
Mantralaya Annexe
Bombay- 400032.

Sub : Recognition of Yashwantrao Chavan Maharashtra Open University, Nashik for Central assistance under Section 12-B of the UGC Act, 1956.

Sir,

With reference to the correspondence resting with your letter No. MOU/ 63003 (241/92) UNI dated 11th November, 1992 on the above subject, I am to say that the University Grants Commission has agreed to declare the Yashwantrao Chavan Maharashtra Open University Nashik established under Maharashtra State Act No. XX of 1989, fit to receive Central assistance for all purposes including Institutional development in terms of the rules framed under Section 12-B of the UGC Act, 1956.

The receipt of the letter may please be acknowledged.

Yours faithfully,

Sd/xxx
(I J GUPTA)
JOINT SECRETARY

Copy to: -

1. The Vice - Chancellor, Yashwantrao Chavan Maharashtra Open University, Nashik-422005.
2. Secretary to the Govt. of India, Ministry of Human Resource Development (Deptt. of Education) New Delhi.
3. The Registrar, Indira Gandhi National Open University, Maidan Garhi, New Delhi- 110068.
4. The Secretary, Association of Indian Universities, 16, Kotla Marg, New Delhi- 110002.
5. Desk Officer (Meeting) / S.O.FD-III/S.O.SU-II/S.S.O.-I, Star, U.G.C. New Delhi.
6. All Officers /Sections, UGC New Delhi.

Sd/-
(D. D. Mehta)
SECTION OFFICER

ज्ञान-विज्ञान विमुक्तये

सत्यमेव जयते

UNIVERSITY GRANTS COMMISSION
DISTANCE EDUCATION BUREAU
Ministry of Education, Govt. of India
35, Feroze Shah Road, New Delhi – 110001
Website: https://deb.ugc.ac.in/
Email: ugcdeb01@gmail.com
Ph.No. 011-2360 4695,694, 648, 666

Speed Post/E-mail

F.No. 8-18/2023 (DEB-I) (ODL) 17 **October, 2023**

18 OCT 2023

The Registrar
Yashwantrao Chavan Maharashtra Open University
Dnyangangotri, Near Gangapur Dam
Nashik-422 222, Maharashtra

Sub: Commission Order on the application submitted online by the Higher Educational Institution (HEI) for recognition of the programmes to be offered in Open and Distance Learning (ODL) mode from academic year 2023-24, academic session beginning July-August, 2023 and onwards-regarding.

Sir/Madam,

In exercise of the powers conferred by sub-sections (1) and (2) of section 26 read with clause (j) of section 12 of the University Grants Commission Act, 1956 (3 of 1956), University Grants Commission (Open and Distance Learning Programmes and Online Programmes) Regulations, 2020 has notified on 4th September, 2020 in the Gazette of India. Subsequently, the first and second amendments in Principal Regulations have been notified on 01.07.2021 and 18.07.2022 respectively in the Gazette of India.

2. The eligibility criterion for Higher Educational Institution is enumerated under Regulation 3 in Part II of the University Grants Commission (Open and Distance Learning Programmes and Online Programmes) Regulations, 2020 and its amendments. The Regulation 4 and 5 describe the process of application and the approval process for the Open and Distance Learning and Online Programmes whereas Regulation 6 describe provisions of right to appeal by the Higher Educational Institutions aggrieved with the order of the Commission and Regulation 7 describe the process of withdrawal of Recognition.

3. University Grants Commission invited online applications from the eligible Higher Educational Institutions as per Regulation 3(A) and Regulation 3(B)(b) of UGC (Open and Distance Learning Programmes and Online Programmes) Regulations, 2020 and its amendments for recognition of the programmes under Open and Distance Learning (ODL) mode and/ or Online mode from academic year **2023-24, academic session beginning from July-August, 2023** and onwards vide Public Notice F. No. 1-1/2023 (DEB-I) dated 01st March, 2023, mentioning therein that the online portal for submitting applications shall be open upto 31st March, 2023. **Yashwantrao Chavan Maharashtra Open University, Nashik, Maharashtra** had submitted its application for recognition of the Open and Distance Learning Programmes.

4. Application received from **Yashwantrao Chavan Maharashtra Open University, Nashik, Maharashtra** was scrutinized and deficiency(ies) or defect(s) in application were communicated to the HEI as per the University Grants Commission (Open and Distance Learning Programmes and Online Programmes) Regulations, 2020 and its amendments with a request to remove or rectify such deficiency(ies) or defect(s) along with relevant documentary evidence (if any).

17/10/23

Appendix - D

UGC Guidelines for pursuing two academic programmes simultaneously

ज्ञान-विज्ञान विमुक्तये

प्रो. रजनीश जैन
सचिव
Prof. Rajnish Jain
Secretary

सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग
University Grants Commission
(शिक्षा मंत्रालय, भारत सरकार)
(Ministry of Education, Govt. of India)
बहादुरशाह जफ़र मार्ग, नई दिल्ली-110002
Bahadur Shah Zafar Marg, New Delhi-110002
Ph.: 011-23236288/23239337
Fax : 011-2323 8858
E-mail : secy.ugc@nic.in

D.O.No.1-6/2007 (CPP-II)(New) **13th April, 2022**

Respected Madam/ Sir,

The National Education Policy - NEP 2020 states that pedagogy must evolve to make education more experiential, holistic, integrated, inquiry-driven, discovery-oriented, learner-centred, discussion-based, flexible, and, of course, enjoyable. The policy envisions imaginative and flexible curricular structures to enable creative combinations of disciplines for study, that would offer multiple entry and exit points, thus, removing currently prevalent rigid boundaries and creating new possibilities for life-long learning and centrally involve critical and interdisciplinary thinking.

With the rapid increase in demand for higher education and limited availability of seats in regular stream, several Higher Education Institutions (HEIs) have started a number of programmes in Open and Distance Learning (ODL) mode to meet the aspirations of students. It has also led to the emergence of online education programmes which a student can pursue within the comforts of her / his home. The issue of allowing the students to pursue two academic programmes simultaneously has been examined by the Commission keeping in view the provisions envisaged in the National Education Policy - NEP 2020 which emphasizes the need to facilitate multiple pathways to learning involving both formal and non-formal education modes.

In view of above, UGC has framed the guidelines for pursuing two academic programmes simultaneously which are attached herewith.

All the universities and their affiliated colleges/institutions are requested to implement these guidelines for the benefit of the students.

With kind regards,

Yours sincerely,

(Rajnish Jain)

To
The Vice-Chancellors of all Universities
The Principals of all Colleges/Institutes

UGC Guidelines- https://www.ugc.gov.in/pdfnews/6493421_UGC-Guidelines-pursuing-two-academic-programmes-simultaneously.pdf

Appendix - E

UGC Notification: Equivalence of degree obtained through ODL and Online mode with degree obtained through conventional mode

ज्ञान-विज्ञान विमुक्तये

प्रो. रजनीश जैन
सचिव
Prof. Rajnish Jain
Secretary

सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग
University Grants Commission
(शिक्षा मंत्रालय, भारत सरकार)
(Ministry of Education, Govt. of India)
बहादुरशाह जफ़र मार्ग, नई दिल्ली-110002
Bahadur Shah Zafar Marg, New Delhi-110002
Ph.: 011-23236288/23239337
Fax : 011-2323 8858
E-mail : secy.ugc@nic.in

F. No.3-5/2022(DEB-II)

August, 2022

02 SEP 2022

PUBLIC NOTICE

Equivalence of degree obtained through ODL and Online mode with degree obtained through conventional mode

The Regulation 22 of the University Grants Commission (Open and Distance Learning Programmes and Online Programmes) Regulations, 2020 stipulates as under;

"**Equivalence of qualification acquired through Conventional or Open and Distance Learning and Online modes.—** Degrees at undergraduate and postgraduate level in conformity with UGC notification on Specification of Degrees, 2014 and post graduate diplomas awarded through Open and Distance Learning mode and/or Online mode by Higher Educational Institutions, recognised by the Commission under these regulations, shall be treated as equivalent to the corresponding awards of the Degrees at undergraduate and postgraduate level and post graduate diplomas offered through conventional mode."

This is for information of the general public, students and other stakeholders.

(Rajnish Jain)

UGC Notification: https://deb.ugc.ac.in/Uploads/Notices_Upload/UGC_20220906101709_1.pdf

यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ
Yashwantrao Chavan Maharashtra Open University
ज्ञानगंगा घरोघरी Nashik, Maharashtra, India

"We are reaching the stage where problems that we must solve are going to become insoluble without computers. I do not fear computers; I fear the lack of them"

Isaac Asimov

Yashwantrao Chavan Maharashtra Open University
[Established by Government of Maharashtra]
Dnyangangotri, Near Gangapur Dam, Nashik - 422 222
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E-Mail: scmcs@ycmou.digitaluniversity.ac
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For Admissions - admissions@ycmouonline.ac.in Student Support - support@ycmouonline.ac.in
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Contact Number: 8130308832