School of Sciences

(Formerly School of Architecture, Science & Technology)

Prospectus 2025

for

Certificate, Diploma, UG, PG & PhD Programmes

Essential Information about all Academic Programmes from School of Sciences

2025

Website: http://www.ycmou.ac.in/ and
http://ycmou.digitaluniversity.ac/
Phone: +91-253-2231473

Important Notice Regarding Fresh or New Admission and Further Admission for Postgraduate Programmes

Important Note:

Postgraduate Programmes as per **NEP2020** from Academic Year 2023-2024

2 Year - 4 Semester PG Degree (88 Credits) after Three Year UG Degree

- The **fresh or new** admission will be allowed **only** for the **first year** and the **further** admission will be allowed **only** for the **Second year** of the following Postgraduate Programmes.

  The details available in this prospectus:

  1. V151: M.Sc. (Mathematics) {2023 Pattern}
  2. V152: M.Sc.(Environmental Science) {2023 Pattern}
  3. V153: M.Sc. (Physics) {2023 Pattern}
  4. V154: M.Sc. (Chemistry) {2023 Pattern}
  5. V155: M.Sc. (Zoology) {2023 Pattern}
  6. V156: M.Sc. (Botany) {2023 Pattern}

  AND

  The **fresh or new** admission will be allowed **only** for the **first year** of the following **New Postgraduate Programme** subject to UGC-DEB Approval:

  7. V157: M.Sc. (Mathematics with Computer Applications) {2025 Pattern}

Important Notice Regarding Fresh or New Admission and Further Admission for Undergraduate Programmes

Important Note:

I) **Fresh and Further admission** will be allowed **only** for the following **Undergraduate Programmes**.

1. V92: B.Sc. (Physics, Chemistry, Mathematics) {2015 Pattern}

2. V100: B.Sc. (Botany, Chemistry, Zoology) {2023 Pattern}

II) Bachelor's Honours Degree Programme as per **NEP2020** from Academic Year 2025-2026

4 Year - 8 Semester **UG Honours Degree** (176 Credits) after 12^{th}/$(10+2)^{th}$ or in equivalent examination pass

Fresh admission to New programme subject to UGC-DEB Approval

1. UGV06: B.Sc. (Honours) (Environmental Science) {2025 Pattern}

SCHOOL OF SCIENCES PROGRAMME CALENDAR

Note: This University and School will follow the Programme Calendar declared by UGC/DEB New Delhi time to time.

Teaching-Learning of students shall start from 01-September/01-Feb every year.

SN	Activity Description	Yearly Pattern/Odd semesters like 01, 03, 05 and 07 From 01-Sep Till 31-Jan	Even semesters like 02, 04, 06 and 08 From 01-Feb Till 31-Jul
Online Admission: offered on Annual basis for 2 semesters in each academic year. Only for 'C149: Certificate progarmme in Beekeeping', Admissions shall be offered on Winter and Summer batch basis.			
01	Fresh and Further Yearly Admission	From June/ July Till Aug (For C149, Winter Batch: From Jul)	NA (For C149, Summer Batch: From Jan)
Teaching – Learning at the resp Learning Support Centers/ SCs for all Theory, Practical, Term-Work, Studio & Project Courses			
02	Teaching – Learning (16 Weeks) & Backlog Clearing	**From 01-Sep Till 30-Nov**	**From 01-Feb Till 23-May**
Online End Exam (EE) Form Submission (Required only for Repeater Students)			
03	**Online** EE Form Submission by SCs/ students at University	On or Before 21-Oct	On or Before 23-Apr
Continuous Assessment (CA) Submission			
05	CA Availability	From 01-Sep Till 30-Nov	From 01-Mar Till 23-May
06	CA Submission by Students	From 01-Nov Till 30-Nov	From 01-May Till 31-May
End Examination (EE)			
07	**End Exam for Theory Courses**	**From 1-Dec to 10-Dec**	**From 25-May to 05-Jun**
08	EE for Activity Courses (Pr, TW, PW, STW, SV)	Immediately after/ before the schedule of the end exam for theory courses, but positively before 15-Dec	Immediately after/ before the schedule of the end exam for theory courses, but positively before 15-Jun
10	End Exam Result Declaration	On or Before 31-Jan	On or Before 31-Jul
Semester End Vacation			
11	Semester End Vacation	Jan	July

WITHDRAWN PROGRAMMES DETAILS

Schedule of Last Further Admission Time Slot and End Exam for Withdrawn Programmes (Total 11 Nos)

SN	Programme Details	Last Further Admission Time Slot	Last End Exam
	Science **Diploma:01, UG: 00, PG: 10, Total: 11**		
01	**V131:** M.Sc. (Physics) {2021 Pattern}: 2 Years duration, **withdrawn in 2022**	During Jun-Aug 2024	May-Jun 2026
02	**V132:** M.Sc. (Chemistry) {2021 Pattern} : 2 Years duration, **withdrawn in 2022**	During Jun-Aug 2024	May-Jun 2026
03	**V133:** M.Sc. (Zoology) {2021 Pattern}: 2 Years duration, **withdrawn in 2022**	During Jun-Aug 2024	May-Jun 2026
04	**V134:** M.Sc. (Botany) {2021 Pattern}: 2 Years duration, **withdrawn in 2022**	During Jun-Aug 2024	May-Jun 2026
05	**V130:** M.Sc. (Mathematics) {2021 Pattern}: 2 Years duration, **withdrawn in 2023**	During Jun-Aug 2025	May-Jun 2027
06	**V136:** M.Sc. (Environmental Science) {2021 Pattern}: 2 Years duration, **withdrawn in 2023**	During Jun-Aug 2025	May-Jun 2027
07	**V141:** M.Sc. (Physics) {2022 Pattern}: 2 Years duration, **withdrawn in 2023**	During Jun-Aug 2025	May-Jun 2027
08	**V142:** M.Sc. (Chemistry) {2022 Pattern}: 2 Years duration, **withdrawn in 2023**	During Jun-Aug 2025	May-Jun 2027
09	**V143:** M.Sc. (Zoology) {2022 Pattern}: 2 Years duration, **withdrawn in 2023**	During Jun-Aug 2025	May-Jun 2027
10	**V144:** M.Sc. (Botany) {2022 Pattern}: 2 Years duration, **withdrawn in 2023**	During Jun-Aug 2025	May-Jun 2027
11	**V135:** Diploma in Environmental Science {2021 Pattern}: 1 year duration, **withdrawn in 2024**	During Jun-Aug 2025	May-Jun 2027

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Price: **Free Download from Website**. **No Print Copy**.

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MESSAGE FROM DIRECTOR

Welcome to the School of Sciences at YCM Open University!

The School of Sciences (formerly School of Architecture, Science and Technology) was established in 1989 to provide innovative and high quality, cost effective education in Architecture, Science and Technology disciplines relevant to the present needs of Society and Learners, with better academic quality and student support services. Currently, this School does not offer programmes in Architecture and Technology streams.

Presently, this School offers Certificate, Diploma, UG, PG and PhD Programmes in the Science faculty with the challenge of imparting good quality theoretical and practical education in five science disciplines, namely, Physics, Chemistry, Mathematics, Statistics and Life Sciences. These programmes in science disciplines are approved by the UGC New Delhi. This School fully complies with the "UGC ODL Programmes Regulations". In a significant step toward inclusive education, the school has introduced various initiatives aligned with NEP 2020 to ensure education that is inclusive, accessible, and equitable for everyone.

All the programmes of this School are meticulously designed and developed with comprehensive approach from the renowned subject experts to ensure the quality, norms and standards of the education and examinations. Self-Learning Material (SLM)/ Textbooks, Lab Manuals, Audio-Video Lectures etc., in an easy to understand format are developed by the School for the learners. These resources facilitate learner-centered activities, ensuring that counsellors as well as learners can follow the necessary procedures and precautions systematically, leading to successful learning outcomes. These self-learning resources are made available in soft copy format from day one at our University website. This School has adopted this policy for the conservation of our global environment. Due to this policy, this School has kept lower fees for the academic programmes.

Teaching-learning for theory, practical conduction and project work, etc., for the learners is held as per the UGC norms in face-to-face mode by the qualified and experienced counsellors working at the recognized Learner Support Centers (LSCs), which are mainly Senior Science Colleges for the programmes from Science Discipline. Periodical Evaluation and Grading of the LSCs is done by this School to ensure academic quality in imparting teaching-learning to the learners.

Nearly 15,000 learners are enrolled in science programmes of this School in the distributed learner support centers (LSCs) within Maharashtra. Our school is dedicated to fostering a vibrant academic community. We strive to ensure that every learner receives the support and resources necessary for their success.

We wish that you will enjoy the courses of YCM Open University, emerge successful and very soon become a knowledgeable and honorable Degree holder of this university, which is fully aligned with the features and framework of the National Education Policy (NEP) 2020. We intend to work hard in helping our learners shape their dreams and make those dreams into realities. Together, let us continue to pursue excellence in education.

We are blessed with the potential leadership of our Hon'ble Vice Chancellor, Prof. Sanjeev Sonawane, whose decisions, ideas, vision, and directives stand as the perpetual support system of our school.

I invite you to experience the best quality education from our YCM Open University!!!

Prof. Chetana Kamlaskar
Director (I/C) & Professor,

School of Sciences

About Us

About University

Yashwantrao Chavan Maharashtra Open University (YCMOU) was established in July 1989 by the 'Act XX-(1989)' of the Maharashtra State Legislature. It is the fifth Open University in the country. This university is recognized under section 12 (B) by the 'University Grants Commission (UGC)' of India. 'The Commonwealth of Learning (COL)' Canada, conferred the prestigious **'Award of Excellence for Institutional Achievement'** for the year **2002** to this university. YCMOU is the first Open University in India, which is honored with this prestigious award.

Again in **2019**, Commonwealth of Learning (CoL) conferred the prestigious **Award of Institutional Excellence** to this University. YCMOU is the first Open University in India, which is honored with this prestigious award **twice**.

In 2022, this State University Accredited **with 'A' Grade by NAAC** (1st Cycle).

The YCMOU is a member of various prestigious associations and bodies like the Association of Indian Universities (AIU), Association of Commonwealth Universities (ACU), Asian Association of Open Universities (AAOU), Commonwealth of Learning (COL), Canada to name a few.

The university provides relaxed entry procedures. However, it does maintain its standards from curriculum design to examinations. The university may admit a student even when he is studying in another university / Board or is continuing his professional career. It may not ask for documents like Transfer or Leaving Certificate at the time of admission. At the same time the university takes all precautions (just as the other universities do) to ensure that the standards and quality of, education and exams, are preserved.

The Head office of the university is located at Nashik, India. The university operates through its 8 Regional Centers (RCs) at Amravati, Chhatrapati Sambhajinagar, Kolhapur, Mumbai, Nagpur, Nanded, Nashik, Pune and several Learner Support Centers (LSCs) / Study Centers (SCs) only within the Maharashtra state.

Learner Support Centers (LSCs) / Study Centers (SCs) of Programmes

This university has recognized programme wise Learner Support Centers (LSCs) /Study Centers (SCs) within the State of Maharashtra have to provide all specified student services **to the current and previously enrolled students** as per the approved university rules for all the programmes on offer or for the withdrawn programmes till the last event of End Examination (if applicable).

Jurisdiction and Revision of Rules

All legal disputes regarding LSC/Study Center and enrolled students shall be subject to Nashik jurisdiction only. In order to cope up with unforeseen circumstances and to maintain high academic quality of these programmes, the university reserves the right to change, revise, update, add or delete any rule (including rules regarding programme fees) about these programmes, at any time. These modifications will be applicable to all students, including previously admitted students.

LATEST UPDATE POLICY

Latest updated version of this prospectus shall be available at university website at **http://www.ycmou.ac.in** for free download in PDF file format. Hence, students, LSCs and other stake holders are advised to always refer website for latest updated copy of this prospectus.

ABOUT SCHOOL

The **School of Sciences** (formerly School of Architecture, Science and Technology) is one of the eighth Schools of the University. This School offers academic programmes from Science discipline.

Responsibilities of the School

This School is responsible for following various activities.

- Design and development of various need based academic programmes
- Development of syllabus
- Development of Self Learning Material
- Development of Audio-Video Lectures
- Support to SSD for LSC Management
- Support to Evaluation Division for Paper Setting and QB development activities
- Support to Examination Division for Assessment Activities
- Academic and administrative support to students
- Support to Regional and LSCs
- Conduction of training/ workshop for course writers/editors/ counselors
- Systemic research and programme evaluation
- Faculty development and research activities

VISION

Quality Education in modern sciences with cost-effectiveness!

MISSION

The School of Sciences will offer educational programmes in Science discipline using such operational and Academic principles that optimize:

- Academic Quality
- Relevance to present needs of Industry, Society and Learners
- Time Quality
- Cost-effectiveness for learners and the University
- Quality based on contemporary requirements

PROGRAMME INFORMATION AT A GLANCE

The following total **27** Academic Programmes are from the School of Sciences during academic year **2025-26**.

Level	Programmes of Offer (16) Admission and/ or Examination: Fresh Yes, Further Yes New LSC Recognition: Yes	Withdrawn Programmes (11) Admission and/ or Examination: Fresh No, Further Yes New LSC Recognition: No
	Skill (1) (0)	
Diploma (1)(0)	T101: Diploma in Essential Skills (DES) {Learn & Earn 2019 Pattern}	
	Science (15)(11)	
Certificate (1)(0)	C149: Certificate Programme in Beekeeping [Transferred from Centre for Collaborations and Special Initiatives (CCSI)]	-
Diploma (1)(1)	V137: Diploma in Statistics {2021 Pattern}	V135: Diploma in Environmental Science {2021 Pattern}
UG (3)(0)	V92: B.Sc. (Phy, Che, Maths) {2015 Pattern} V100: B.Sc. (Bot, Che, Zoo) {2023 Pattern} **Offered as per NEP 2020** * UGV06: B.Sc. (Honours) (Environmental Science) {2025 Pattern}	-
PG (7)(10)	**Offered as per NEP 2020** V151: M.Sc. (Mathematics) {2023 Pattern} V152: M.Sc. (Environmental Science) {2023 Pattern} V153: M.Sc. (Physics) {2023 Pattern} V154: M.Sc. (Chemistry) {2023 Pattern} V155: M.Sc. (Zoology) {2023 Pattern} V156: M.Sc. (Botany) {2023 Pattern} *V157: M.Sc. (Mathematics with Computer Applications) {2025 Pattern}	V131: M.Sc. (Physics) {2021 Pattern} V132: M.Sc. (Chemistry) {2021 Pattern} V133: M.Sc. (Zoology) {2021 Pattern} V134: M.Sc. (Botany) {2021 Pattern} V130: M.Sc. (Mathematics) {2021 Pattern} V136: M.Sc. (Environmental Science) {2021 Pattern} V141: M.Sc. (Physics) {2022 Pattern} V142: M.Sc. (Chemistry) {2022 Pattern} V143: M.Sc. (Zoology) {2022 Pattern} V144: M.Sc. (Botany) {2022 Pattern}
Ph.D. (3)(0)	R91: Ph.D. (Chemistry) {2019 Pattern} R92: Ph.D. (Environmental Science){2019 Pattern} R41: Ph.D. (Geology){2019 Pattern}	-

* Subject to the UGC-DEB Approval

ABOUT PROGRAMMES

ATTENDANCE

For all academic programmes regular and full attendance for all counseling sessions is highly recommended for better chances of successful completion of the course. Normally, minimum **80% attendance shall be essential** for counseling and practical sessions for all respective courses.

Successful completion of all specified activities for On Job Training (OJT), Field Projects (FP), Term Work (TW), Practical (P), Project-Work (PW) courses and its certification by the respective counselor at LSC and Programme coordinator shall be essential before the end exam of that On Job Training (OJT), Field Projects (FP), Term Work (TW), Practical (P), Project-Work (PW).

DEGREE EQUIVALENCE STATUS

All these degree and post-graduate degree programmes are duly recognized and approved by the "University Grant Commission (UGC)". Approval status is available at UGC Website under the Distance Education Bureau (DEB) of UGC (ugc.ac.in) at

- **https://www.ugc.ac.in/pdfnews/FINAL%20RECOGNITION%20STATUS%2008-05 2019.pdf** on Pages 45 to 48 of 95[F.No. 1-18/2018 (DEB-I), Dated: 08-05-2019]
- **https://www.ugc.ac.in/pdfnews/6032587_DEB-ODL-LIST.pdf, Dated 10th March, 2021** on Page 7 of 9
- **https://deb.ugc.ac.in/pdf/ODL_List_2023_24.pdf**, Dated 11 Sept, 2023 on Page 41 -45 of 94 [F. No. 30-30/2023 (DEB-III)]
- **https://deb.ugc.ac.in/Uploads/Notices_Upload/UGC_20250403173353_1.pdf** on page 39-41 of 91 [F. No. 1-6/2025 (DEB-NER), Dated: 2 April 2025]

The legal status of this university is at par with all other statutory universities of India.
Equivalence related all relevant documents of all programmes of this School are available at the University website at School page at

- **https://drive.google.com/open?id=1tOtFcSxJdVnJMku7kQybuok9d2J6dOYi**

SELF-INSTRUCTIONAL LEARNING MATERIAL POLICY

1. "**Self-Instructional Learning Material (SLM)**" means - the learning material which is specially designed for the Open University students. This material is designed in such a manner that the students are able to understand most of the subject matter even in the absence of a teacher.
2. Depending upon the nature of the programs the learning material (study material) is designed and developed in various formats and different methods are used for its delivery to the students. **SLM may be print or non-print/ electronic study material.**
3. As per the University policy, this School shall provide study material **in electronic format only for the programmes on offer**. The study material in electronic format shall be made available for **free download on the University Website at http://www.ycmou.ac.in/**, under the **EBooks downloads**, which is accessible on the webpage of the School of Sciences**.**

PRINTED STUDY MATERIAL (छापील अभ्याससाहित्य)

All enrolled students should collect the printed study material/SLM from their respective Learner support centers/Study centers before the end examination of the programme. Students shall not be entitled to that study material after the result declaration (Applicable only for printed study material, **not for soft copies of SLM books**).

School of Sciences offers study material/SLM **in electronic format only for the programmes on offer**.

प्रवेशित झालेल्या विद्यार्थ्यांनी छापील अभ्याससाहित्य परीक्षेपूर्वी घेऊन जावे, निकाल लागल्यानंतर त्या अभ्याससाहित्यावर त्यांचा हक्क असणार नाही (फक्त छापील अभ्याससाहित्यासाठी लागू).

विज्ञान विद्याशाखातर्फे राबविण्यात येणाऱ्या शिक्षणक्रमांसाठी अध्ययन सामग्री/एसएलएम फक्त इलेक्ट्रॉनिक स्वरूपात उपलब्ध करून देण्यात आले आहे.

INSTRUCTIONS FOR CREATING THE ACADEMIC BANK OF CREDITS- ID/APAAR ID

Dear Students,

As per the National Education Policy- 2020, it is mandatory for you to create the Academic Bank of Credits- ID. You are required to fill up the information regarding your Certificates, Diploma, and name of the Degree in the Digi Locker (ABC-NAD) or else it won't be possible to transfer the credits you'll earn through other programmes. You can register your Academic Bank of Credits-ID at the following portal http://www.abc.gov.in/ or you can visit our university website at www.ycmou.ac.in wherein you are supposed to click on the 'Student Zone' tab Under the Student Zone tab, you will find the 'Academic Bank of Credits' option After clicking on the Academic Bank of Credits option, you will get information and PPT's of how you can create your Academic Bank of Credits- ID.

ACADEMIC BANK OF CREDITS - ID /APAAR ID तयार करण्याबाबतची सूचना

विद्यार्थी मित्रानो,

राष्ट्रीय शैक्षणिक धोरण-२०२० नुसार आपणास Academic Bank of Credits-ID तयार करणे अनिवार्य आहे. आपण प्राप्त केलेले प्रमाणपत्र, पदविका, पदवीची माहिती Digi Locker (ABC-NAD) वर भरावी लागणार आहे. त्याशिवाय इतर अभ्यासक्रमासाठी क्रेडीट ट्रान्स्फर करता येणार नाही. आपणास Academic Bank of Credits-ID नोंदणी **http://www.abc.gov.in/** या पोर्टलवर करता येईल किंवा आपल्या विद्यापीठाच्या www.ycmou.ac.in या वेबसाईला भेट द्या. या वेबसाईटवरील Student Zone या बटनला क्लिक करा. यातील Academic Bank of Credits वर क्लिक केल्यानंतर Academic Bank of Credits-ID तयार करण्यासंबधित माहिती व ppt सादरीकरण आपणासाठी वेबसाईटवर उपलब्ध केलेले आहे.

GOLD MEDAL POLICY

As per Board of Management (BoM) resolution no. 184.4.1(A) dated 29.08.2022, this University has declared various prizes and gold medals to the meritorious students for their outstanding success achieved during the various programmes. The Gold Medal is among the most prestigious awards of the University.

This School appealed to eminent institute to sponsor Gold Medals by their names to various programmes offered by this School. Purpose to offer Gold Medals to the students is to recognize their efforts taken and success achieved, to feel them and their family proud, and to motivate other students for better performance to receive Gold Medal. From coming Convocation following two Gold Medals may be offered for the programmes of this School.

1. Gold Medal sponsored by Dr. Vishwnath Karad Maharashtra Academy of Naval Education & Training (MANET), Loni-Kalbhor, Pune for the programme
    - **M.Sc. [Mathematics]**
2. Gold Medal sponsored by Shri Rajaram Bapu Patil, Rajaram bapu Institute of Technology, Rajaramnagar, Sakhrale, Islampur, Dist. Sangli for the programme
    - **M.Sc. [Physics]**

शिष्यवृत्ती योजना/ SCHOLARSHIP

मुक्त विद्यापीठात प्रवेशित अनुसूचित जाती, अनुसूचित जमाती, इतर मागास वर्ग, विमुक्त जाती / भटक्या जमाती, विशेष मागास प्रवर्ग व खुल्या प्रवर्गातील विद्यार्थ्यांना शासनाच्या शिष्यवृत्ती योजनांचा लाभ मिळतो. शिष्यवृत्ती संदर्भात सविस्तर माहिती जाणून घेण्यासाठी विद्यापीठ संकेतस्थळावरील शिष्यवृत्ती टॅब मधील माहिती बघावी.

DEFINITIONS

In this document, unless the context otherwise requires, following definitions shall apply.

GENERAL

1. "**University**" means– Yashwantrao Chavan Maharashtra Open University, located at Nashik, Maharashtra, India.
2. "**Act**" means - Act XX- (1989) (Amended by Act No XII of 2003) of the Maharashtra State Legislature.
3. "**Academic Year**" means - duration of 1 year which **starts** from **01-Sep** and **ends on 31-July**
4. "**Semester**" means - Each semester will consist of 15-18 weeks of academic work equivalent to on an average 100 actual teaching days. Thus, it is a group of some courses, which are offered during a time block of 6 months.
   a. Odd numbered semesters like 01, 03, 05 ... **starts from 01-Sep** and **ends on 31-Jan**
   b. Even numbered semesters like 02, 04, 06 ...**starts from 01-Feb** and **ends on 31-July**
5. "**Session**" means - a time slot for a particular activity. Duration of counseling session is 60 or 180/240 minutes, while for end examination it is either 180 or 240 minutes.

Course Types	Session Duration in Minutes for Counseling Session	Session Duration in Minutes for End Exam
Theory Courses	60	90/ 180
Studio Courses	180 / 240	180 / 240
Practical Courses	120/180	180
Term-Work or Project-Work Courses	40 / 60	180 / 240

6. "**Batch**" means - a group of students.

Course Types	Batch for Counseling Session	Batch for End Exam
Theory Courses	60/ 120	30
Term Work or Practical Course	30	20
Project-Work Courses	15	10

PROGRAMMES AND COURSES

1. "**Choice Based Credit System (CBCS)**": The CBCS provides choice for students to select from the prescribed courses (core, applied, elective or minor or soft skill courses).
2. "**Credit Based Semester System (CBSS)**": Under the CBSS, the requirement for awarding a degree or diploma or certificate is prescribed in terms of number of credits to be completed by the students.

3. "**Credit**" means - number of study hours, in multiples of 30 clock hours for theory and 60 clock hours for Practical that an average learner has to devote for effective learning. Thus, for 1 CR, an average learner has to devote 30 clock hours to successfully complete the study of the course. Study includes several activities like reading books, taking notes, solving problems, undergoing tests, performing experiments in laboratories, thinking, etc. It is a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.
4. "**Academic Programme**" means - a collection of correlated courses, which one must successfully complete in order to earn a certification by the university. Certification may be by certificate, diploma, advance diploma, graduate degree, postgraduate diploma, postgraduate degree or doctoral degree.
    a. "**Programmes on Offer**" are those programmes where **fresh** admission to **new** prospective students is offered along with further admissions to already enrolled students.
    b. "**Withdrawn Programmes**" are those programmes where fresh admission to new prospective students is not offered along with further admissions to already enrolled students.
5. "**Courses**" means - any single component of an academic programme (usually called as subjects) which one has to successfully complete, in order to earn a certification by the university. Courses may be of different types like theory, practical, OJT, field project, Term-Work, or project work. Each course is given a unique course code.
6. "**Backlog Course**" means – any course where student is admitted by the university but student could not successfully complete the course in the first compulsory end exam attempt.

LEARNER SUPPORT CENTERS (LSCS)/STUDY CENTERS

1. "**Learner Support Center (LSC)**" means - a place where the students attend the face-to-face counseling sessions for theory courses in classroom and conduct practical and/ or project type of activities in the laboratories and get other relevant services like Internet access, admission, examination and communication with university head office.
2. "**Programme Coordinator**" means - a person in charge of the administrative and academic affairs at the LSC. He plans the availability of counselors, looks after the distribution of learning resource from library, arranges and coordinates counseling sessions, etc.
3. "**Learner Support Center (LSC) Head**" means - the head of LSC who is normally the principal of the institution, where LSC is located. He may not participate in the day-to-day activities of the LSC, but will play an active role in case of any serious problem at the LSC.

DACECT

1. "**Direct Admission (DA)**" means - due to higher pre-qualification than specified minimum eligibility, along with the supporting documents, students shall be directly admitted to specified higher year**. Students are allowed to apply for online direct admission only once before at the time of the first fresh admission**. Students are required to successfully complete in end exam (**as permitted by the end exam time table**) all those courses which are not exempted. Hence, total time duration of the academic programme may be reduced and student is not required to pay fees for the lower semesters. Direct admission shall be given only when student apply online for it, along with attested photocopies of specified documents.
2. "**Course Exemption (CE)**" means - the student who successfully completes with specified minimum percentage of marks or better in specified subjects with similar syllabus but with

different evaluation pattern, in the exams conducted by the **either Board or university**, is exempted from certain courses of these programmes. If course exemption is sanctioned, the student need not appear in any examination for that course, as it is treated as a successfully completed. But no previous performance is used for reporting in Mark-Sheet. Only mark of exemption, that is 'X', is put against exempted course. **Students are allowed to apply for online course exemptions only once before the first fresh admission**. Course Exemptions shall be given only when student apply online for it, **along with direct admission** along with attested photocopies of specified documents. Student is required to pay **Direct Admission and Course Exemption fee** specified by the University for Respective Programme.

3. "**Credit Transfer (CT)**" means - the student who successfully complete specified subjects with specified minimum percentage of marks or better with similar syllabus and evaluation pattern, in the exams conducted by the **either Board or university** are exempted from certain courses of these programmes. If credit transfer is sanctioned, the student need not appear in any examination for that course, as it is treated as a successfully completed. Previous marks (or in case of grades, equivalent mean marks of the grade range) are used as it is for reporting in Mark-Sheet. **Students are allowed to apply for online credit transfers only once before the first fresh admission**. Student is required to pay Credit Transfer fee of Rs 1000/- for each course as specified by the University for the Respective Programme. Credit transfers shall be given only when student apply online for it, **along with direct admission**, along with attested photocopies of specified documents.

ADMISSION

1 "**Online Annual Admission**" means - Normally, online admission is given only once in a year (typically in July - August) to first year or 2 semesters, that is, odd and even numbered semesters, in an academic year. Thus, along with the admission form, students shall be required to pay 'University Share Fee (USF)', 'LSC Share Fee (LSCF)', 'Mandatory Fee (MF)' and 'End Exam Fee (EEF)' for both semesters. The 'End Exam Fee (EEF)' includes the **first** compulsory attempt of end exam for **all courses at each semester**.

2 "**Online New or Fresh Admission**" means - **First** admission to the academic programme. Normally, new/ fresh admission is given to the lowest numbered semester. Students are required to apply online for new/ fresh admission in the prescribed format along with the attested scanned photocopies of specified documents need to be uploaded and payment of the specified fees for the programme need to be paid online by net banking/ credit or debit card.

3 "**Online Further Admission**" means - **all next** admissions (**after first admission**) to the each successively higher numbered year/ semesters of the academic programme. Students having Permanent Registration Number (**PRN**) are eligible to apply for the **Online Further Admission**. The students have to complete similar process as mentioned for the Fresh Admission. Student can select another LSC during online further admission process.

4 "**Online Admission** for Certificate programme in Beekeeping" – admissions shall be offered separately to each summer and winter Batch. Thus, along with the admission form, students shall be required to pay 'University Share Fee (USF)', 'LSC Share Fee (LSCF)', 'Mandatory Fee (MF)' and 'End Exam Fee (EEF)' which also includes the 'Exam Fee (EF)' for the first compulsory attempt for end exam for all courses of the programme.

   a. Admission for Summer Batch: Jan-Feb of each year

   b. Admission for Winter Batch: July-Aug of each year

5 "**Student Registration**" means - confirmation of the admission of the student to the specified year/semesters of the academic programme by the university, after submission of a completed

online admission form along with uploaded scanned photocopies of specified documents and online payment of the specified fees for the programme. **Student registration is valid only during valid registration period**. The university assigns unique 'Permanent Registration Number (PRN)' to each student when he/she is registered for the academic programme during the first fresh admission.

6 "**Valid Registration Period**" means - Maximum duration of the programme required to successfully complete any program for the award of the degree/ diploma.

a. As per "UGC Open and Distance Learning Programmes and Online Programmes Regulations, 2020" published in the gazette notification, dated 4th Sept 2020 by the UGC notification No. F. 1-1/2020(DEB-I), **VRP for each programme shall be double the minimum duration of the respective programmes**. Accordingly, from the year 2024 this School has specified VRP as follows.

- VRP for 1 Year Diploma Progs is 2 Yrs
- VRP for 2 Years Postgraduate Degree Progs is 4 Yrs
- VRP for 3 Years Under Graduate Degree Progs is 6 Yrs

b. For **UG Honours programmes as per NEP 2020**, VRP for each programme is the minimum duration (4 Years) of programme + 04 Years = 8 Yrs

c. For **PG programmes as per NEP 2020**, VRP for each programme is the minimum duration of programme + 02 Years = 4 Yrs

Only within valid registration period, students are allowed to attend counseling sessions at the allotted LSC/ Study Center. **Extension of registration period shall not be allowed**.

COUNSELING

1. "**Counseling Sessions (CS)**" means –Face-To-Face classroom sessions conducted at LSCs, by a well-qualified and experienced counsellor/ expert/ teacher to explain and clarifies doubts/difficulties of the students. During counseling sessions, students also perform practical or research activities / field project or project work in LSC laboratory. Last 4-5 hours of counseling for each course in a semester are reserved for assessment and feedback about "Continuous Assessment (CA)".

2. "**Counselor**" means - a qualified and experienced expert/person at LSC, who conducts counseling sessions and helps the students in solving their difficulties.

3. "**Supervisor**" means - a qualified and experienced expert/person at LSC, who helps the students to perform practical or laboratory activities or project work in LSC laboratory.

4. "**Mentor**" means - a qualified and experienced person at allotted industry or business unit, for the guidance and supervision activities of the students. He coordinates monthly face-to-face single Mobile-Ready or Video lecture of one hour duration and helps the students in solving their difficulties. He also helps the students to perform "On Job Training" for the specified hours in allotted industry or business unit. Mentor also helps students in smooth and timely conduction of Continuous Assessment.

5. "**On Job Training (OJT)**" means – daily or periodic assigned work which student needs to perform at his/ her allotted industry or business unit. Normally 08 Hrs of "On Job Training" during **each** of 26 Working days needs to be completed by the students under Learn and Earn Scheme as per the Apprentice Act 1961.

   And as per NEP 2020, UG and PG students shall complete one month On Job Training (OJT) or Internship (For 4 Credit Course, Total Study hours 120 hrs including Internship Report).

6. **"Field Project (FP)"** means – A course requiring students to participate in field-based learning/projects generally under a qualified and experienced expert/Supervisor at LSC. PG

students shall complete one month Field Project (For 4 Credit Course, Total Study hours 120 hrs including Activity Report) and UG students shall complete half month (15 days) Field Project (For 2 Credit Course, Total Study hours 60 hrs including Activity Report).

7. **"Community Engagement and Service (CEP)"** means – A course requiring students to participate in field-based learning/projects which involves activities aimed at exposing students to real socio-economic issues to complement theoretical knowledge, generally under a qualified and experienced expert/Supervisor at LSC.

   UG students shall complete half month (15 days) Field Project (For 2 Credit Course, Total Study hours 60 hrs including community engagement and service and preparation of Report).

8. **"Co-curricular (CC)"** means - A course requiring students to review the following list of Co-curricular Courses (CC) and select one that aligns with their interests. Students will be allocated one course from the list. The aim of the Co-curricular Course is to offer an opportunity to pursue passions outside the selected major and provide a well-rounded experience to the students.

   At LSCs, supervisors will be assigned to mentor the activities related to the Co-curricular Course topic. Supervisors will collaborate with experts in the respective course to create a list of activities for students to perform.

   Students must submit a hard copy of a **report along with a certificate** detailing the activities performed that are related to the topics of the chosen Co-curricular Course. Evaluation will be based on the report of activities submitted by the student at the respective LSCs. **More information about the evaluation of Co-curricular Courses (CC) will be updated on the university website.**

   Basket of Co-curricular Courses is given as under:
   1. Health and Wellness
   2. Yoga education
   3. Sports and fitness
   4. Cultural Activities
   5. NSS
   6. Fine/ Applied/ Visual/ Performing Arts

REQUIRED COUNSELING SESSIONS

Following table indicate **minimum** number of specified Face-to-Face counseling sessions which must be arranged by the LSC for **each** course during **each** semester to ensure minimum specified working hours during each semester.

Level	Programmes	For each Theory Type of Course (Subject) of 4 Credits Duration of each counseling session shall be 01 Clock Hour (i)	For each Activity (Practical/Term Work/Project) Type of Course (Subject) of 4 Credits Duration of each counseling session shall be 02 Clock Hour (ii)	Total Face-to-face counseling sessions Per Year (i)+(ii)	Total face-to-face counseling sessions for Programme
Certificate	C149: Certificate Programme in Beekeeping	18	06	(1T+1P) = 30 Hrs	30
Diploma	T101: Diploma in Essential Skills (DES) {Learn & Earn} {2019 Pattern}	12	08 Hrs of "On Job Training" per day for all working days during **each** Semester	8T+2TW = 96Hrs + 08 Hrs of "On Job Training" per day for all working days during **each** Semester	8T+2TW= 96 Hrs + 08 Hrs of "On Job Training" per day for all working days during **each** Semester
	V137: Diploma in Statistics {2021 Pattern}	12	12	(6T+2P) = 120Hrs	120
UG	V92: B.Sc. (Phy, Che, Maths) {2015 Pattern}	12	12	(8T+6P) = 168 Hrs	504
	V100: B.Sc. (Bot, Che, Zoo) {2023 Pattern}	12	12	(8T+6P) = 168 Hrs	504
UG [As per NEP 2020]	UGV06:B.Sc. **(Honours)** (Environmental Science){2025 Pattern}	12	12	**First Year:** (2T(4Cr)+10T(2Cr)+6P(2Cr) = **120 Hrs** **Second Year:** (2T(4Cr)+9T(2Cr)+5P(2Cr)+1FP(2Cr) +1CEP(2Cr)) = **120 Hrs** **Third Year:** (4T(4Cr)+4T(2Cr)+2P(4Cr)+3P(2Cr) +1FP/CEP(2Cr)+ 1OJT(4Cr))= **132 Hrs** **Fourth Year:** (7T(4Cr)+2T(2Cr)+ 2P(4Cr)+1OJT (4Cr)) = **132 Hrs**	504

Level	Programmes	For each Theory Type of Course (Subject) of 4 Credits Duration of each counseling session shall be 01 Clock Hour (i)	For each Activity (Practical/Term Work/Project) Type of Course (Subject) of 4 Credits Duration of each counseling session shall be 02 Clock Hour (ii)	Total Face-to-face counseling sessions Per Year (i)+(ii)	Total face-to-face counseling sessions for Programme
PG [As per NEP 2020]	V151: M.Sc. (Mathematics) {2023 Pattern}	12	12	**First Year:** (7T(4Cr)+2T(2Cr)+2P(4Cr)+ 1OJT/FP(4Cr)) = **132 Hrs** **Second Year:** (6T(4Cr)+1T(2Cr)+2P(4Cr)+1RP(4Cr)+ 1RP(6Cr)) = **132 Hrs**	264
	V152: M.Sc. (Environmental Science) {2023 Pattern}	12	12	**First Year:** (7T(4Cr)+2T(2Cr)+2P(4Cr)+ 1OJT/FP(4Cr)) = **132 Hrs** **Second Year:** (6T(4Cr)+1T(2Cr)+2P(4Cr)+1RP(4Cr)+ 1RP(6Cr)) = **132 Hrs**	264
	V153: M.Sc. (Physics) {2023 Pattern}	12	12	**First Year:** (7T(4Cr)+2T(2Cr)+2P(4Cr)+ 1OJT/FP(4Cr)) = **132 Hrs** **Second Year:** (6T(4Cr)+1T(2Cr)+2P(4Cr)+1RP(4Cr)+ 1RP(6Cr)) = **132 Hrs**	264
	V154: M.Sc. (Chemistry) {2023 Pattern}	12	12	**First Year:** (7T(4Cr)+2T(2Cr)+2P(4Cr)+ 1OJT/FP(4Cr)) = **132 Hrs** **Second Year:** (6T(4Cr)+1T(2Cr)+2P(4Cr)+1RP(4Cr)+ 1RP(6Cr)) = **132 Hrs**	264
	V155: M.Sc. (Zoology) {2023 Pattern}	12	12	**First Year:** (7T(4Cr)+2T(2Cr)+2P(4Cr)+ 1OJT/FP(4Cr)) = **132 Hrs** **Second Year:** (6T(4Cr)+1T(2Cr)+2P(4Cr)+1RP(4Cr)+ 1RP(6Cr)) = **132 Hrs**	264
	V156: M.Sc. (Botany) {2023 Pattern}	12	12	**First Year:** (7T(4Cr)+2T(2Cr)+2P(4Cr)+ 1OJT/FP(4Cr)) = **132 Hrs** **Second Year:** (6T(4Cr)+1T(2Cr)+2P(4Cr)+1RP(4Cr)+ 1RP(6Cr)) = **132 Hrs**	264
	V157: M.Sc. (Mathematics with Computer Applications) {2025 Pattern}	12	12	**First Year:** (7T(4Cr)+2T(2Cr)+2P(4Cr)+ 1OJT/FP(4Cr)) = **132 Hrs** **Second Year:** (6T(4Cr)+1T(2Cr)+2P(4Cr)+1RP(4Cr)+ 1RP(6Cr)) = **132 Hrs**	264

Level	Programmes	For each Theory Type of Course (Subject) of 4 Credits Duration of each counseling session shall be 01 Clock Hour (i)	For each Activity (Practical/Term Work/Project) Type of Course (Subject) of 4 Credits Duration of each counseling session shall be 02 Clock Hour (ii)	Total Face-to-face counseling sessions Per Year (i)+(ii)	Total face-to-face counseling sessions for Programme
PG	V130: M.Sc.(Mathematics) {2021 Pattern}	12	-	(10T) = 120 Hrs	240
	V136:M.Sc.(Environmental Science){2021 Pattern}	12	12	(6T+2P)= 120 Hrs	240
	V141: M.Sc. (Physics) {2022 Pattern}	12	12	(8T+4P)= 144 Hrs	288
	V142: M.Sc. (Chemistry) {2022 Pattern}	12	12	(8T+4P)= 144 Hrs	288
	V143: M.Sc.(Zoology) {2022 Pattern}	12	12	(8T+4P)= 144 Hrs	288
	V144: M.Sc. (Botany) {2022 Pattern}	12	12	(8T+4P)= 144 Hrs	288
Ph.D.	R91: Ph.D. (Chemistry)	12	Not Applicable	Not Applicable	12 (VRP of 3 yrs)
	R92: Ph.D. (Environmental Science)	12	Not Applicable	Not Applicable	12 (VRP of 3 yrs)
	R41: Ph.D. (Geology)	12	Not Applicable	Not Applicable	12 (VRP of 3 yrs)

EXAMINATION

FROM 2023 PATTERN ONWARDS

For UG and PG programmes as per NEP 2020, the detailed guidelines regarding "UG and PG programme Evaluation Pattern for "Continuous Assessment (CA)" and "End Examination (EE)" shall be provided in this prospectus [Refer page no 105 of this prospectus].

1. "**Continuous Assessment (CA)**" means - **'Open-Book Formative Evaluation without supervision**' by the Counselor for the respective course at each LSC.
2. "**End Examination (EE)**" means - **'Closed-Book Summative Evaluation under supervision**', which is an examination conducted by the University at the designated 'Exam Centers' under supervised conditions, at the end of each semester for all courses.
3. "**Very Short Answer type Question (VSAQ)**" means - a supply type question of 3 marks, which requires typical answer of about 8-10 lines (≈ ¼ to ½ Pages) in about 04-06 minutes. Students do have choice of answering as he/she is required to answer 1 VSAQ on **each** credit in 'End Exam (EE)' for any theory type of course.
4. "**Short Answer type Question (SAQ)**" means - a supply type question of 5 marks, which requires typical answer of about 15-20 lines (≈ ½ Page) in about 08-10 minutes. Students do have choice of answering as he/she is required to answer 1 SAQ on **each** credit in 'End Exam (EE)' for any theory type of course.
5. "**Long Answer type Question (LAQ)**" means – a supply type question of 10 marks, which requires typical answer of about 30-40 lines (≈ 1 to 1 & ¼ Pages) in about 16-20 minutes. This question may be composed of smaller sub-questions without options. Students do have choice of answering as he/she is required to answer 1 LAQ. End exam for theory type of course includes LAQs on **all four** credits.

BEFORE 2023 PATTERN

1. "**Continuous Assessment (CA)**" means - **'Open-Book Formative Evaluation without supervision**' by the Counselor for the respective course at each LSC. CA for each credit shall be for 5 marks only.
2. "**End Examination (EE)**" means - **'Closed-Book Summative Evaluation under supervision**', which is an examination conducted by the University at the designated 'Exam Centers' under supervised conditions, at the end of each semester for all courses. EE for each credit shall be for 20 marks only.
3. "**Short Answer type Question (SAQ)**" means - a supply type question of 5 marks, which requires typical answer of about 15 lines (≈ ½ Pages) in about 08-10 minutes. Students do not have choice of answering as he/she is required to answer 1 SAQ on **each** credit in 'Continuous Assessment (CA)' and out of 5 SAQs 4 SAQs on **each** credit in 'End Exam (EE)' for any theory type of course.

BOTH BEFORE AND AFTER 2023 PATTERN

1. "**EE Attempt**" means - option offered by the university to the student, for choosing to appear in any end examination of any course for which respective student's admission is confirmed by the university. EE attempts are counted for each option offered by the university to the student, **irrespective of whether student actually chooses to appear in end exam or not**.
2. "**Online Exam Form**" means - the prescribed format of application for the "repeat end exam attempt" which may require for successful completion or performance improvement. **Only repeater students are required to submit online end exam form**, along with the payment for specified 'Exam Fee (EF)' during the specified duration.

3. "**Total Marks (TM)**": 'Total Marks (TM)' shall be sum of "Continuous Assessment (CA)" marks and "End Examination (EE)" marks acquired by the student in each course.

Successful Completion of Course or Programme

1. "**Successful Completion of the Course**" means - either course is exempted or student gets minimum specified or better total marks or grade, either in end examination of that course or by credit transfer.
    a. A student obtaining grade "**F**" shall be considered failed and will be required to reappear in the examination.
    b. "**P**" (Pass) letter grade required for successful completion of each course
2. "**Successful Completion of the Programme**" means - all courses at all semesters are successfully completed:
    a. Student should acquire minimum 35% aggregate percentage of marks at all courses at all reporting semesters for programmes listed below:
        - For T101 programme from "Skill" discipline
    b. Student should acquire minimum 40% aggregate percentage of marks at all courses at all reporting semesters for programmes listed below:
        - For all V92, V100, V141, V142, V143, V144, V130, V131, V132, V133, V134, V136, and V137 programmes from "Science" faculty
        - For all programmes as per NEP2020 from "Science" faculty - UGV06, V151, V152, V153, V154, V155, V156 and V157
    c. Student should acquire minimum "**P**" (Pass) letter grade **(55.00% Marks)** for all courses of PhD course work for (2019 Batch)
        - For all R91, R92, and R41 programmes from "Science" faculty

About Audit Courses

As per the UGC notifications received time to time, in four (04) Postgraduate Programmes V141: M.Sc. (Physics), V142: M.Sc. (Chemistry), V143: M.Sc. (Zoology), V144: M.Sc. (Botany), students have to complete three (03) audit courses at Semester 01, 02 and 03.

This School has made available learning material for all audit courses in the form of SLM Textbook at the University website for self-study. All the students need to submit Home Assignment for these audit courses given by the Learner Support Center/University as per the specified schedule.

Counseling for these audit courses is not mandatory for the Learner Support Center. Students can refer other material for their knowledge enhancement.

Grading System

1. **"Absolute Grading":** the marks are converted to grades based on pre-determined class intervals.
2. **"Letter Grade":** It is an index of the performance of students in a said programme. Grades are denoted by letters O, A+, A, B+, B, C, P and F.
3. **"Grade Point":** It is a numerical weight allotted to each letter grade on a 10-point scale. Grade Point shall be "0 (Zero)" for Letter Grade "Ab" and "F".

    The marks scored by the examinee shall be converted into grade points by dividing the marks scored in the aggregate and dividing the resulting number by maximum marks, multiplying the result by ten, retaining the integer part (ignore the fractional part). Thus, if a person has secured 56 marks out of 100 marks in aggregate for a course, we get (56/100) x 10 which is 5.6. Ignoring the fraction, we get 5 as the grade point.

4. The UGC recommends a 10-point grading system with the following letter grades and points as given below:

Marks Obtained out of 100	Grade Point	Semester GPA / Programme CGPA/ Semester/ Programme	% of Marks	Alpha-Sign /Letter Grade Result
90 - 100	10	9.00 – 10. 00	90.0 - 100	O (Outstanding)
80 – 89.99	9	8.00 - < 9.00	80.0 - < 90.0	A+ (Excellent)
70 – 79.99	8	7.00 - < 8.00	70.0 - < 80.0	A (Very Good)
60 – 69.99	7	6.00 - < 7.00	60.0 - < 70.0	B+ (Good)
55 – 59.99	6	5.50 - < 6.00	55.0 - < 60.0	B (Above Average)
50 – 54.99	5	5.00 - < 5.50	50.0 - < 55.0	C (Average)
40 – 49.99	4	4.00 - < 5.00	40.0 - < 50.0	**P (Pass)**
0 – 39.99	0	Below 4.00	**Below 40**	**F (Fail)**
		Ab (Absent)	**-**	**Absent**

5. **"Credit Point":** It is the product of grade point and number of credits for a course.
6. **"Semester Grade Point Average (SGPA)":** It is a measure of performance of work done in a semester. It is the ratio of sum of the product of the number of credits with the grade points scored by a student in all courses taken by a student and the sum of number of credits of all the courses undergone by a student:

$$\text{SGPA } (S_i) = \frac{\sum C_i G_i}{\sum C_i}$$

It shall be expressed up to two decimal places.

7. **"Cumulative Grade Point Average (CGPA)":** It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters. The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme.

$$\text{CGPA} = \frac{\sum C_i S_i}{\sum C_i}$$

Where, S_i is theSGPAof the ith semester &$C_i$is the total number of credits in that semester.

It shall be expressed up to two decimal places.

8. **"Transcript or Grade Card or Certificate":** Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester and CGPA **earned till that semester**.

PROGRAMME INFORMATION AT A GLANCE

ABBREVIATIONS USED

Following abbreviations (arranged alphabetically) are used:

- **AAFA**: "Annual Admission Form Amount" for each year, which is payable amount along with the Admission Form. It includes Mandatory fee, Tuition fee, and End Exam Fee for 2 semesters in an academic year. The exam fee includes the first compulsory end exam attempt for all courses at the semester.

- **AE**: Admission Eligibility
- **Apvl**: Approvals from Statutory Authorities
- **C**: Category of Programme
- **CBCS**: Choice Based Credit System
- **CA**: Continuous Assessment
- **CE**: Certification Eligibility for the award of Diploma/ Degree Certificate
- **DACECT Fee**: Direct Admission, Course Exemption and Credit Transfer Fee
- **EE**: End Examination
- **EEF**: End Exam Fee is payable to university for the first compulsory end exam attempt for all courses at the semester.
- **EF**: Exam Fee is payable to university along with the 'Exam Form', for **each** repeat end exam attempt.
- **Grading**: 10 Point Grading is used for result declaration
- **L**: Level of Programme
- **LD**: Library Deposit is refundable. For Indian Citizen Students, LD shall be ₹ 2000, payable to allotted LSC/ Study Center.
- **LSCF/SCF**: Learner Support Center Fee/ Study Center Fee for **each** Year
- **M**: Open and Distance Learning (ODL) Mode is used for Teaching-Learning of Programmes on offer and withdrawn
- **MA**: Maximum number of Attempts
- **MF**: Mandatory Fee
- **MDP**: Minimum Duration of Programme
- **MoI**: Medium of Instruction of Programme
- **MRA**: Minimum Required Attendance for Programme
- **NA**: Not Applicable
- **ODL**: Open Distance Learning
- **P**: Pattern (Semester / Annual) of Programme
- **PG**: Post-Graduate
- **PGD**: Post-Graduate Diploma
- **RS**: Reporting Semesters/ Year
- **RY**: Reporting Year
- **Sem**: Semester
- **Sylb**: Syllabus is available on the University website at **www.ycmou.ac.in**
- **Total**: Total Fee for each semester
- **Total Tuition Fee**: Total Tuition Fee for each semester consists of following 2 (Two) essential components:
    - University Share Fee (USF)
    - Learner Support Center Fee (LSCF)
- **USF**: University Share Fee (USF) is payable amount at the time of online admission for each Year for 2 semesters/ one year in an academic year. University Share fee (USF) also referred as University Tuition Fee.
- **UG**: Under-Graduate

- **VRP**: Valid Registration Period is the maximum duration of the programme required to successfully complete any program for the award of the degree/ diploma. As per UGC Open and Distance Learning Programmes and Online Programmes Regulations, 2020" published in the gazette notification, dated 4th Sept 2020 by the UGC notification No. F. 1-1/2020(DEB-I), VRP for each programme shall be **double the minimum duration of the respective programmes**. Accordingly, from the year 2024 this School has specified VRP as follows.
    - VRP for 1 Year Diploma Progs is 2 Yrs
    - VRP for 2 Years Postgraduate Degree Progs is 4 Yrs
    - VRP for 3 Years Under Graduate Degree Progs is 6 Yrs
    - VRP for 4 Years Under Graduate Honours Degree Progs is 8 Yrs as per NEP 2020
    - VRP for 2 Years Postgraduate programme is 04 Years as per NEP 2020
- **WP**: Withdrawn Programs are those programs for which **fresh/new admissions are stopped** but further admissions are continued by the University. Once program is withdrawn, student needs to take further admissions during the specified time-slot for further admissions and needs to successfully complete program during specified time slot for End Examination.

PROGRAMMES ON OFFER

For all "**Programmes on Offer**" (**Total 16 Programmes**):

1. Fresh Admissions **shall be offered**
2. Further Admissions **shall be offered**

STATISTICAL INFORMATION ABOUT PROGRAMMES ON OFFER:

Discipline ➔ Level ↓	Skill	Science	Total
Certificate	0	1	**1**
Diploma	1	1	**2**
UG	0	3	**3**
PG	0	7	**7**
PhD	0	3	**3**
Total	**1**	**15**	**16**

ESSENTIAL INFORMATION ABOUT ADMISSION

1. **Age**: Student shall be of **18 Yrs** of age at the time of admission to any Programme except C149 and T101 programme
2. **MoI**: Medium of Instruction is **English** for all Programmes except Certificate in Beekeeping (Medium-Marathi)
3. **MRA**: Minimum Required Attendance is 80% for all Programmes
4. During online admission for the first year or direct second year admission few mandatory documents is required. Students should scan and upload all these documents for the eligibility checking and admission confirmation.
5. In case of lack of required documents/ fees, this University has full right to reject or cancel admission of the students.
6. It is the duty of the students and LSCs to follow all the guidelines and schedule specified for the admission.

7. LSCs should check all the required documents uploaded by the students with their originals, before giving LSC approval to the said admission of the student.
8. **Note**: In case of **less than 20 admissions to any programme**, the university may take the decision to **not to offer** the programme. [**Applicable since academic year 2024-25 and onwards]**. In such case, total fees paid by the learner will be refunded.

MANDATORY DOCUMENTS REQUIRED FOR ADMISSION

LIST OF MANDATORY DOCUMENTS REQUIRED FOR ADMISSION

1. Document in support of Date of Birth (School Leaving Certificate/ SSC Certificate)
2. Aadhar Card

ADDITIONAL DOCUMENTS:

1. Caste Validity Certificate [if required]
3. Marriage Certificate/ Copy of Government Gazette/ Affidavit [If name is changed after marriage or in case of change of name]

PROGRAMME WISE ELIGIBILITY DOCUMENTS REQUIRED FOR ADMISSION

SN	Prog Code and Name	Eligibility for Admission	Documents Required
1	**T101**: Diploma in Essential Skills (DES) {Learn & Earn 2019 Pattern}	SSC (10th) Pass	SSC (10th) Marksheet/ Board Certificate
2	**C149:** Certificate Programme in Beekeeping	SSC (10th) Pass or Failed	SSC (10th) Marksheet/ Board Certificate
3	**V137:** Diploma In Statistics {2021 Pattern}	Any Graduate Degree or Equivalent Pass	All years Marksheets/ Degree certificate
4	**V92**: B.Sc. (Phy, Che, Maths) {2015 Pattern}	10+2 (**12th**) Science Pass (with Maths) Or 10+3 or 12+2 Years Engg Diploma approved by Univ/ Board Pass	12th Science (with Maths) Marksheet **or** Engg. Diploma Marksheets of all years/ Diploma Certificate
5	**V100:** B.Sc. (Bot, Che, Zoo) {2023 Pattern}	10+2 (**12th**) Science Pass (with Biology) or Equivalent Pass	12th Science (with Biology) Marksheet
6	***UGV06**: B.Sc. (Honours) (Environmental Science) {2025 Pattern} *Subject to UGC-DEB Approval	12th / (10+2)th / Level 4.0 examination conducted by Maharashtra State Board of Secondary and Higher Secondary Education/CBSE/ ISC/NIOS or equivalent examinations by any Other State or any other recognized Board with Science Subjects Pass or Equivalent pass **OR** (10+3) years or (12+2) years Engineering Diploma from Maharashtra State Technical Board / a statutory or recognized board/ university in India Pass **OR** Higher Secondary School Certificate (10+2) Examination with English and any of the following + 2 Level HSC Vocational (MCVC) Group Pass:	12th Science Marksheet **or** Engg. Diploma Marksheets of all years/ Diploma Certificate **or** HSC with English and + 2 Level HSC Vocational (MCVC) Group Marksheet

SN	Prog Code and Name	Eligibility for Admission	Documents Required
		Horticulture (KA, KB, KC) Crop Science (LA, LB, LC) Animal Husbandry and Dairy Technology (MA, MB, MC) Fisheries Technology (NA, NB, NC) Catering and Food Products Technology (SA, SB, SC) Child, Old Age and Health care services (QA, QB, QC) More details refer **Entry level qualification to B. Sc. (Honours) programmes given below**	
7	**V151:** M.Sc. (Mathematics) {2023 Pattern}	Any BSc with Maths upto Second year/ BA with Maths/ B.E./B.Tech. Degree or Equivalent pass	All years Marksheets / Degree certificate
8	**V152**: M.Sc. (Environmental Science) {2023 Pattern}	B.Sc./B.Sc. (Agri)/B.E. /B.Tech. /B. Pharm Degree or Equivalent pass	All years Marksheets / Degree certificate
9	**V153**: M.Sc. (Physics) {2023 Pattern}	B.Sc. (PCM)/B.Sc. with Physics at FY and SY/ B.Sc. (Electronics) /B.E./B. Tech. Degree or Equivalent pass	All years Marksheets / Degree certificate
10	**V154**: M.Sc. (Chemistry) {2023 Pattern}	B.Sc. (PCM)/ B.Sc. with Chemistry at FY and SY or Equivalent pass	All years Marksheets / Degree certificate
11	**V155**: M.Sc. (Zoology) {2023 Pattern}	B.Sc. with Zoology at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass	All years Marksheets / Degree certificate
12	**V156**: M.Sc. (Botany) {2023 Pattern}	B.Sc. with Botany at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass	All years Marksheets / Degree certificate
13	**V157:** M.Sc. (Mathematics with Computer Applications) {2025 Pattern}	Any BSc with Maths upto Second year/ BA with Maths/ B.E./B.Tech. Degree or Equivalent pass	All years Marksheets / Degree certificate

Entry level qualification to UGV06: B. Sc. (Honours) (Environmental Science) Programme

SN	Academic Qualifications required for Eligibility	
A)	A candidate who has passed Standard 12^{th} / $(10+2)^{th}$ / Level 4.0 examination conducted by Maharashtra State Board of Secondary and Higher Secondary Education/CBSE/ ISC/NIOS or equivalent examinations by any Other State or any other recognized Board with science subjects shall be eligible for admission to First Semester B. Sc. Programmes as per NEP 2020:	
	Groups of Science subjects/courses from	**Eligible for One Major in Science Discipline**
1.	1. English 2. Physics, Chemistry, Mathematics, Biology	**One Major**: Environmental Science
2.	1. English 2. Physics, Chemistry, Mathematics	**One Major:** Environmental Science

SN	Academic Qualifications required for Eligibility		
3.	1. English 2. Physics, Chemistry, Biology		**One Major :** Environmental Science
4.	1. English 2. Vocational Course of 200 Marks 3. Physics, Chemistry, Mathematics		**One Major:** Environmental Science
5.	1. English 2. Vocational Course of 200 Marks 3. Physics, Chemistry, Biology		**One Major:** Environmental Science
6.	1. English 2. Physics, Chemistry	3. Any one of the following Optional Course of 100 Marks: Geography, Geology, Food Science and Technology, Agriculture Science and Technology, Animal Science and Technology, Defence Studies	**One Major**: Environmental Science
OR			
B)	A candidate who has passed (10+3) years or (12+2) years Diploma from Maharashtra State Technical Board / a statutory or recognized board/ university in India		
	Description		**Eligible for One Major in Science Discipline**
1.	(10+3) years / (12+2) years Engineering Diploma		**One Major:** Environmental Science
OR			
C)	A candidate who has passed Higher Secondary School Certificate (10+2) Examination with English and any of the following +2 Level HSC Vocational (MCVC) Group		
	HSC Vocational (MCVC) Group		**Eligible for One Major in Science Discipline**
1.	Agriculture Group or Fisheries Group	Horticulture (KA, KB, KC)	**One Major :** Environmental Science
		Crop Science (LA, LB, LC)	
		Animal Husbandry and Dairy Technology (MA, MB, MC)	**One Major :** Environmental Science
		Fisheries Technology (NA, NB, NC)	
2.	Catering and Food Products Technology	Catering and Food Products Technology (SA, SB, SC)	**One Major:** Environmental Science
3.	Paramedical Group	Child, Old Age and Health care services (QA, QB, QC)	**One Major :** Environmental Science

DACECT

ELIGIBILITY DOCUMENTS REQUIRED FOR ADMISSION

SN	Prog Code and Name	Eligibility for Admission	Documents Required
Direct Admission for Second Year of UG programme			
V92: B.Sc. (Phy, Che, Maths)			
1	Direct Admission to **Second Year [Sem 03 and 04] of V92**: B.Sc. (Phy, Che, Maths) {2015 Pattern}	Students who have passed B.Sc. first year (Semester 01 and 02) with Mathematics as one of the subjects from any recognized university.	B.Sc. First Year (Semester 01 and 02) with Mathematics Marksheets
Credit Transfer for the Courses of the PG Programme			
V135: Diploma in Environmental Science and V136: M.Sc. (Environmental Science)			
1	**Credit Transfer** in the Course EVS021 of V135: Diploma in Environmental Science {2021 Pattern}	Students who have successfully completed **MOOC** offered in Swayam platform on Environmental Sustainability	Completion certificate of MOOC on Environmental Sustainability offered in Swayam platform
2	**Credit Transfer** in the Course EVS021 of V136: M.Sc. Environmental Science {2021 Pattern}	Students who have successfully completed **MOOC** offered in Swayam platform on Environmental Sustainability	Completion certificate of MOOC on Environmental Sustainability offered in Swayam platform
3	**Credit Transfer** in the Course EVS041 of V136: M.Sc. Environmental Science {2021 Pattern}	Students who have successfully completed **MOOC** offered in Swayam platform on Sustainable Management of Biodiversity	Completion certificate of MOOC on 'Sustainable Management of Biodiversity' offered in Swayam platform

PROGRAMME ELIGIBILITY AND FEES

SKILL PROGRAMMES

<table>
<tr><th>Programme</th><th>Essential Information</th><th>Fees in ₹</th><th>Admission: Annual admission in each year</th><th>Examination</th></tr>
<tr><td colspan="5">Diploma (01 Programme)</td></tr>
<tr>
<td>T101: Diploma in Essential Skills (DES) {Learn & Earn 2019 Pattern}

Sem:2
Credits: 48
Courses: 10
VRP: 02 Yrs</td>
<td>CBCS: NA
Grading: Yes
C: General Skill
L: Diploma
P: Semester
MDP: 1 year after SSC
Apvl: NA</td>
<td>For Programme
<table><tr><th>Desc</th><th colspan="2">Amount</th></tr><tr><td>MF</td><td colspan="2">578</td></tr><tr><td rowspan="2">Tuition Fee</td><td>USF</td><td>1050</td></tr><tr><td>LSCF</td><td>Nil</td></tr><tr><td>EEF</td><td colspan="2">2040</td></tr><tr><td>AAFA</td><td colspan="2">3668</td></tr></table>*₹ 450 to be paid separately for Certificate</td>
<td>Fresh Admission: Yes
AE: SSC (10th) Pass.

Further: NA</td>
<td>CE: Min 35%

RS: Sem 01 & 02

MA:
CA: Only 01 Attempt during each semester

EE: Single EE attempt during each semester till last end exam, if specified</td>
</tr>
</table>

SCIENCE PROGRAMMES

<table>
<tr><th>Programme</th><th>Essential Information</th><th>Fees in ₹</th><th>Admission: Annual Admission in each year</th><th>Examination</th></tr>
<tr><td colspan="5">Certificate (01 Programmes)</td></tr>
<tr>
<td>C149: Certificate Programme in Beekeeping [मधुमक्षिका पालन कौशल्य]</td>
<td>CBCS: NA
Grading: Yes
C: General Skill
L: Certificate
P: Semester
MDP: 6 Months after 10th Pass or Fail
Apvl: NA
MoI: Marathi</td>
<td>For Programme
<table><tr><th>Desc</th><th colspan="2">Amount</th></tr><tr><td>MF</td><td colspan="2">440</td></tr><tr><td rowspan="2">Tuition Fee</td><td>USF</td><td>500</td></tr><tr><td>LSCF</td><td>600</td></tr><tr><td>EEF</td><td colspan="2">420</td></tr><tr><td>AAFA</td><td colspan="2">1960</td></tr></table>*₹ 450 to be paid separately for Certificate</td>
<td>Fresh Admission: Yes
AE: 10th Pass or Fail

Further Admission: NA</td>
<td>CE: Min 40%

RS: Sem 01

MA:
CA: Only 01 Attempts during each semester

EE: Single EE attempt during semester till last end exam, if specified</td>
</tr>
<tr><td colspan="5">Diploma (01 Programmes)</td></tr>
<tr>
<td>V137: Diploma In Statistics {2021 Pattern}
Sem:2
Credits: 32
Courses: 08
VRP: 02 Yrs</td>
<td>CBCS: NA
Grading: Yes
C: General
L: Diploma
P: Semester
MDP: 1 year after UG
Apvl: NA</td>
<td>For Programme
<table><tr><th>Desc</th><th colspan="2">Amount</th></tr><tr><td>MF</td><td colspan="2">578</td></tr><tr><td rowspan="2">Tuition Fee</td><td>USF</td><td>1150</td></tr><tr><td>LSCF</td><td>2000</td></tr><tr><td>EEF</td><td colspan="2">1640</td></tr><tr><td>AAFA</td><td colspan="2">5368</td></tr></table>*₹ 450 to be paid separately for Certificate</td>
<td>Fresh Admission: Yes
AE: Any Degree/ Under-Graduate Pass from recognized University.

Further Admission: NA</td>
<td>CE: Min 40%

RS: Sem 01 & 02

MA:
CA: Only 01 Attempts during each semester

EE: Single EE attempt during each semester till last end exam, if specified</td>
</tr>
<tr><td colspan="5">Under-Graduate Degree (02 Programme)</td></tr>
<tr>
<td>V92: B.Sc. (Phy, Che, Maths) {2015 Pattern}

Sem: 6
Credits: 132
Courses: 42
VRP: 06 Yrs</td>
<td>CBCS: Y es
Grading: Yes
C: General
L: UG
P: Semester
MDP: 3 yrs after HSC
Apvl: UGC</td>
<td>For each Year
<table><tr><th>Desc</th><th>AAFA Amount</th></tr><tr><td>1st yr</td><td>9648</td></tr><tr><td>2nd yr</td><td>9538</td></tr><tr><td>3rd yr</td><td>9998</td></tr></table></td>
<td>Fresh Admission: Yes
AE: 10+2 (12th) Science Pass (with Physics) or passed in 10+3 or 12+2 Years Engg Diploma approved by Univ/ Board or passed in HSC with Eng and + 2 level HSC Vocational (MCVC) Group

Further Admission: Yes</td>
<td>CE: Min 40%
RS: Sem 05 to 06

MA:
CA: Max Single Attempt

EE: Single EE attempt during each semester till last end exam, if specified</td>
</tr>
</table>

<table>
<tr><th>Programme</th><th>Essential Information</th><th>Fees in ₹</th><th>Admission: Annual Admission in each year</th><th>Examination</th></tr>
<tr><td></td><td colspan="3">
<table>
<tr><th></th><th rowspan="2">MF</th><th colspan="2">Tuition Fee</th><th rowspan="2">EEF</th><th rowspan="2">AAFA</th></tr>
<tr><th>USF</th><th>LSCF</th></tr>
<tr><td>1st yr</td><td>628</td><td>2100</td><td>4000</td><td>2920</td><td>9648</td></tr>
<tr><td>2nd yr</td><td>518</td><td>2100</td><td>4000</td><td>2920</td><td>9538</td></tr>
<tr><td>3rd yr</td><td>978</td><td>2100</td><td>4000</td><td>2920</td><td>9998</td></tr>
</table>
(May be updated as per University Policy decision)
</td><td></td></tr>
<tr><td>Direct Admission to Second Year of

V92 BSc: B.Sc. (Phy, Che, Maths) {2015 Pattern}</td><td>-</td><td>For Second Year
<table>
<tr><th>Desc</th><th colspan="2">Amount</th></tr>
<tr><td>DACECT</td><td colspan="2">2100</td></tr>
<tr><td>MF</td><td colspan="2">628</td></tr>
<tr><td>Tuition Fee</td><td>USF</td><td>2100</td></tr>
<tr><td></td><td>LSCF</td><td>4000</td></tr>
<tr><td>EEF</td><td colspan="2">2920</td></tr>
<tr><td>AAFA</td><td colspan="2">11748</td></tr>
</table></td><td>Direct AE:
Fresh: B.Sc. first year with Mathematics as one of the subjects pass from any recognized university.</td><td>CE: Min 40%
RS: Sem 05 & 06

MA:
CA: Max Single Attempt

EE: Single EE attempt during each semester till last end exam, if specified</td></tr>
<tr><td rowspan="2">V100: B.Sc. (Bot, Chem, Zoo) {2023 Pattern}

Sem: 6
Credits: 132
Courses: 42
VRP: 06 Yrs</td><td>CBCS : Yes
Grading: Yes
C: General
L: UG
P: Semester
MDP: 3 years after HSC
Apvl: UGC</td><td>For each Year
<table>
<tr><th>Desc</th><th>AAFA Amount</th></tr>
<tr><td>1st yr</td><td>9648</td></tr>
<tr><td>2nd yr</td><td>9538</td></tr>
<tr><td>3rd yr</td><td>9998</td></tr>
</table></td><td>Fresh Admission: Yes
AE: 10+2 (12th) Science Pass (with Chemistry) or passed in 10+3 or 12+2 Years Engg Diploma approved by Univ/ Board or passed in HSC with Eng and + 2 level HSC Vocational (MCVC) Group

Further Admission: Yes</td><td>CE: Min 40%
RS: Sem 01 to 06

MA:
CA: Max Single Attempt

EE: Single EE attempt during each semester till last end exam, if specified</td></tr>
<tr><td colspan="3">
<table>
<tr><th></th><th rowspan="2">MF</th><th colspan="2">Tuition Fee</th><th rowspan="2">EEF</th><th rowspan="2">AAFA</th></tr>
<tr><th>USF</th><th>LSCF</th></tr>
<tr><td>1st yr</td><td>628</td><td>2100</td><td>4000</td><td>2920</td><td>9648</td></tr>
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<tr><td>3rd yr</td><td>978</td><td>2100</td><td>4000</td><td>2920</td><td>9998</td></tr>
</table>
(May be updated as per University Policy decision)
</td></tr>
<tr><td colspan="5">Under-Graduate Degree (01 Programme) (NEP2020)</td></tr>
<tr><td rowspan="2">UGV06: B.Sc. (Honours) (Environmental Science) {2025 Pattern}

Sem: 8
Credits: 176
Courses: 67
VRP: 08 Yrs</td><td>NEP2020 : Yes
Grading: Yes
C: General
L: UG
P: Semester
MDP: 4 years after HSC
#Apvl: Subject to UGC</td><td>For each Year
<table>
<tr><th>Desc</th><th>AAFA Amount</th></tr>
<tr><td>1st yr</td><td>9648</td></tr>
<tr><td>2nd yr</td><td>9538</td></tr>
<tr><td>3rd yr</td><td>9538</td></tr>
<tr><td>*4th yr</td><td>23568</td></tr>
</table></td><td>Fresh Admission: Yes
AE: 10+2 (12th) Science Pass or passed in 10+3 or 12+2 Years Engg Diploma approved by Univ/ Board or passed in HSC with Eng and + 2 level HSC Vocational (MCVC) Group

Further Admission: NO
AE: NA</td><td>CE: Min 40%
RS: Sem 01 to 08

MA:
CA: Max Single Attempt

EE: Single EE attempt during each semester till last end exam, if specified</td></tr>
<tr><td colspan="3">
<table>
<tr><th></th><th rowspan="2">MF</th><th colspan="2">Tuition Fee</th><th rowspan="2">EEF</th><th rowspan="2">AAFA</th></tr>
<tr><th>USF</th><th>LSCF</th></tr>
<tr><td>1st yr</td><td>628</td><td>2100</td><td>4000</td><td>2920</td><td>9648</td></tr>
<tr><td>2nd yr</td><td>518</td><td>2100</td><td>4000</td><td>2920</td><td>9538</td></tr>
<tr><td>3rd yr</td><td>518</td><td>2100</td><td>4000</td><td>2920</td><td>9538</td></tr>
<tr><td>4th yr</td><td>1088</td><td>8000</td><td>12000</td><td>2480</td><td>23568</td></tr>
</table>
(May be updated as per University Policy decision)
</td></tr>
</table>

<table>
<tr><th>Programme</th><th>Essential Information</th><th>Fees in ₹</th><th>Admission: Annual Admission in each year</th><th>Examination</th></tr>
<tr><td colspan="5">Post-Graduate Degree (07 Programmes)(NEP2020)
As per Finance committee Meeting no. 18-2024-25, Dated 22.01.2025 and Board of Management (BoM) resolution no. 198.3.3 and 198.3.5, Dated 27.01.2025 the uniform fees for all PG programmes as per NEP2020, are effective from 1st July 2025.</td></tr>
<tr><td rowspan="2">V151: M.Sc. (Mathematics) {2023 Pattern}

Sem: 4
Credits: 88
Courses: 23
VRP: 04 Yrs</td><td>NEP2020 : Yes
Grading: Yes
C: General
L: PG
P: Semester
MDP: 2 years after UG
Apvl: UGC</td><td>For each Year
[From AY 2025-26 and onwards]<table><tr><th>Desc</th><th>AAFA Amount</th></tr><tr><td>1st yr</td><td>23108</td></tr><tr><td>2nd yr</td><td>23348</td></tr></table></td><td>Fresh Admission: Yes
AE: Any BSc with Maths upto Second year/ BA with Maths/ BE/ BTech or Degree or Equivalent pass

Further Admission: Yes
AE: Already enrolled for V151</td><td>CE: Min 40%
RS: Sem 01 to 04

MA:
CA: Max Single Attempt
EE: Single EE attempt during each semester till last end exam, if specified</td></tr>
<tr><td colspan="4"><table><tr><th></th><th>MF</th><th colspan="2">Tuition Fee</th><th>EEF</th><th>AAFA</th></tr><tr><th></th><th></th><th>USF</th><th>LSCF</th><th></th><th></th></tr><tr><td>1st yr</td><td>628</td><td>8000</td><td>12000</td><td>2480</td><td>23108</td></tr><tr><td>2nd yr</td><td>978</td><td>8000</td><td>12000</td><td>2370</td><td>23348</td></tr></table></td></tr>
<tr><td rowspan="2">V152: M.Sc. (Environmental Science) {2023 Pattern}

Sem: 4
Credits: 88
Courses: 23
VRP: 04 Yrs</td><td>NEP2020: Yes
Grading: Yes
C: General
L: PG
P: Semester
MDP: 2 years after UG
Apvl: UGC</td><td>For each Year
[From AY 2025-26 and onwards]<table><tr><th>Desc</th><th>AAFA Amount</th></tr><tr><td>1st yr</td><td>23108</td></tr><tr><td>2nd yr</td><td>23348</td></tr></table>Note: Credit Transfer fee of Rs 1000/- per course applicable for the courses EVS021/EVS515 and and EVS041/ EVS606 [if applied and eligible] {MOOC done on Swayam Platform}</td><td>Fresh Admission: Yes
AE: B.Sc./B.Sc. (Agri)/B.E./ B.Tech./B. Pharm. Degree or Equivalent pass

Further Admission: Yes
AE: Already enrolled for V152</td><td>CE: Min 40%
RS: Sem 01 to 04

MA:
CA: Max Single Attempt

EE: Single EE attempt during each semester till last end exam, if specified</td></tr>
<tr><td colspan="4"><table><tr><th></th><th>MF</th><th colspan="2">Tuition Fee</th><th>EEF</th><th>AAFA</th></tr><tr><th></th><th></th><th>USF</th><th>LSCF</th><th></th><th></th></tr><tr><td>1st yr</td><td>628</td><td>8000</td><td>12000</td><td>2480</td><td>23108</td></tr><tr><td>2nd yr</td><td>978</td><td>8000</td><td>12000</td><td>2370</td><td>23348</td></tr></table></td></tr>
<tr><td rowspan="2">V153: M.Sc. (Physics) {2023 Pattern}

Sem: 4
Credits: 88
Courses: 23
VRP: 04 Yrs</td><td>NEP2020: Yes
Grading: Yes
C: General
L: PG
P: Semester
MDP: 2 years after UG
Apvl: UGC</td><td>For each Year<table><tr><th>Desc</th><th>AAFA Amount</th></tr><tr><td>1st yr</td><td>23108</td></tr><tr><td>2nd yr</td><td>23348</td></tr></table></td><td>Fresh Admission :Yes
AE: B.Sc. (PCM)/ B.Sc. with Physics at FY and SY/ B.Sc. (Electronics)/ B.E./B. Tech. Degree or Equivalent pass

Further Admission: Yes
AE: Already enrolled for V153</td><td>CE: Min 40%
RS: Sem 01 to 04

MA:
CA: Max Single Attempt

EE: Single EE attempt during each semester till last end exam, if specified</td></tr>
<tr><td colspan="4"><table><tr><th></th><th>MF</th><th colspan="2">Tuition Fee</th><th>EEF</th><th>AAFA</th></tr><tr><th></th><th></th><th>USF</th><th>LSCF</th><th></th><th></th></tr><tr><td>1st yr</td><td>628</td><td>8000</td><td>12000</td><td>2480</td><td>23108</td></tr><tr><td>2nd yr</td><td>978</td><td>8000</td><td>12000</td><td>2370</td><td>23348</td></tr></table></td></tr>
<tr><td>V154: M.Sc. (Chemistry) {2023 Pattern}

Sem: 4
Credits: 88
Courses: 23
VRP: 04 Yrs</td><td>NEP2020: Yes
Grading: Yes
C: General
L: PG
P: Semester
MDP: 2 years after UG
Apvl: UGC</td><td>For each Year<table><tr><th>Desc</th><th>AAFA Amount</th></tr><tr><td>1st yr</td><td>23108</td></tr><tr><td>2nd yr</td><td>23348</td></tr></table></td><td>Fresh Admission: Yes
AE: B.Sc. (PCM)/ B.Sc. with Chemistry at FY and SY or Equivalent pass

Further Admission: Yes
AE: Already enrolled for V154</td><td>CE: Min 40%
RS: Sem 01 to 04

MA:
CA: Max Single Attempt

EE: Single EE attempt during each semester till last end exam, if specified</td></tr>
</table>

<table>
<tr><th>Programme</th><th>Essential Information</th><th>Fees in ₹</th><th>Admission: Annual Admission in each year</th><th>Examination</th></tr>
<tr><td></td><td colspan="3"><table>
<tr><th></th><th>MF</th><th>Tuition Fee</th><th></th><th>EEF</th><th>AAFA</th></tr>
<tr><th></th><th></th><th>USF</th><th>LSCF</th><th></th><th></th></tr>
<tr><td>1st yr</td><td>628</td><td>8000</td><td>12000</td><td>2480</td><td>23108</td></tr>
<tr><td>2nd yr</td><td>978</td><td>8000</td><td>12000</td><td>2370</td><td>23348</td></tr>
</table></td><td></td></tr>
<tr><td rowspan="2">V155: M.Sc. (Zoology) {2023 Pattern}

Sem: 4
Credits: 88
Courses: 23
VRP: 04 Yrs</td><td>NEP2020: Yes
Grading: Yes
C: General
L: PG
P: Semester
MDP: 2 years after UG
Apvl: UGC</td><td>For each Year<table><tr><th>Desc</th><th>AAFA Amount</th></tr><tr><td>1st yr</td><td>23108</td></tr><tr><td>2nd yr</td><td>23348</td></tr></table></td><td>Fresh Admission: Yes
AE: B.Sc. with Zoology at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass

Further Admission: Yes
AE: Already enrolled for V155</td><td>CE: Min 40%
RS: Sem 01 to 04

MA:
CA: Max Single Attempt

EE: Single EE attempt during each semester till last end exam, if specified</td></tr>
<tr><td colspan="3"><table>
<tr><th></th><th>MF</th><th>Tuition Fee</th><th></th><th>EEF</th><th>AAFA</th></tr>
<tr><th></th><th></th><th>USF</th><th>LSCF</th><th></th><th></th></tr>
<tr><td>1st yr</td><td>628</td><td>8000</td><td>12000</td><td>2480</td><td>23108</td></tr>
<tr><td>2nd yr</td><td>978</td><td>8000</td><td>12000</td><td>2370</td><td>23348</td></tr>
</table></td></tr>
<tr><td rowspan="2">V156: M.Sc. (Botany) {2023 Pattern}

Sem: 4
Credits: 88
Courses: 23
VRP: 04 Yrs</td><td>NEP2020: Yes
Grading: Yes
C: General
L: PG
P: Semester
MDP: 2 years after UG
Apvl: UGC</td><td>For each Year<table><tr><th>Desc</th><th>AAFA Amount</th></tr><tr><td>1st yr</td><td>23108</td></tr><tr><td>2nd yr</td><td>23348</td></tr></table></td><td>Fresh Admission: Yes
B.Sc. with Botany at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass

Further Admission: Yes
AE: Already enrolled for V156</td><td>CE: Min 40%
RS: Sem 01 to 04

MA:
CA: Max Single Attempt

EE: Single EE attempt during each semester till last end exam, if specified</td></tr>
<tr><td colspan="3"><table>
<tr><th></th><th>MF</th><th>Tuition Fee</th><th></th><th>EEF</th><th>AAFA</th></tr>
<tr><th></th><th></th><th>USF</th><th>LSCF</th><th></th><th></th></tr>
<tr><td>1st yr</td><td>628</td><td>8000</td><td>12000</td><td>2480</td><td>23108</td></tr>
<tr><td>2nd yr</td><td>978</td><td>8000</td><td>12000</td><td>2370</td><td>23348</td></tr>
</table></td></tr>
<tr><td rowspan="2">V157: M.Sc. (Mathematics with Computer Applications) {2025 Pattern}

Sem: 4
Credits: 88
Courses: 23
VRP: 04 Yrs</td><td>NEP2020 : Yes
Grading: Yes
C: General
L: PG
P: Semester
MDP: 2 years after UG
#Apvl: Subject to UGC</td><td>For each Year<table><tr><th>Desc</th><th>AAFA Amount</th></tr><tr><td>1st yr</td><td>23108</td></tr><tr><td>2nd yr</td><td>23348</td></tr></table></td><td>Fresh Admission: Yes
AE: Any BSc with Maths upto Second year/ BA with Maths/ BE/ BTech or Degree or Equivalent pass

Further Admission: NO
AE: NA</td><td>CE: Min 40%
RS: Sem 01 to 04

MA:
CA: Max Single Attempt
EE: Single EE attempt during each semester till last end exam, if specified</td></tr>
<tr><td colspan="3"><table>
<tr><th></th><th>MF</th><th>Tuition Fee</th><th></th><th>EEF</th><th>AAFA</th></tr>
<tr><th></th><th></th><th>USF</th><th>LSCF</th><th></th><th></th></tr>
<tr><td>1st yr</td><td>628</td><td>8000</td><td>12000</td><td>2480</td><td>23108</td></tr>
<tr><td>2nd yr</td><td>978</td><td>8000</td><td>12000</td><td>2370</td><td>23348</td></tr>
</table></td></tr>
<tr><td colspan="5">Ph.D. Degree (03 Programmes)</td></tr>
</table>

<table>
<tr><th>Programme</th><th>Essential Information</th><th>Fees in ₹</th><th>Admission: Annual Admission in each year</th><th>Examination</th></tr>
<tr>
<td>R91: Ph.D. (Chemistry) {2019 Pattern}

Credits: 72
Courses: 3
VRP: 05 Yrs</td>
<td>CBCS: No
Grading: Yes
C: Research
L: Doctoral
M: Part Time Regular Mode
P: Semester
MDP: 3 years after M.Sc. Chemistry/ equi.
Apvl: UGC</td>
<td>For each Year
[From AY 2021-22 and onwards]

<table>
<tr><th>Desc</th><th colspan="2">Amount</th></tr>
<tr><td>Tuition Fee</td><td colspan="2">20000</td></tr>
<tr><td>*Research Report Submission</td><td>USF
EE</td><td>14000
4000</td></tr>
<tr><td>Tuition Fee for Extension of Registration period</td><td colspan="2">20000</td></tr>
</table>
(Note: *Applicable only for last year)</td>
<td>AE:
Fresh: As per UGC Regulations and University Ordinance

Further: NA</td>
<td>CE: Min 55% in each course of Course Work

CA: NA

EE: EE attempt after course work specified by Exam and University Research Cell (URC)</td>
</tr>
<tr>
<td>R92: Ph.D. (Environmental Science) {2019 Pattern}

Credits: 72
Courses: 3
VRP: 05 Yrs</td>
<td>CBCS: No
Grading: Yes
C: Research
L: Doctoral
M: Part Time Regular Mode
P: Semester
MDP:3 years after M.Sc. Environmental Science/ equi.
Apvl: UGC</td>
<td>For each Year
[From AY 2021-22 and onwards]

<table>
<tr><th>Desc</th><th colspan="2">Amount</th></tr>
<tr><td>Tuition Fee</td><td colspan="2">20000</td></tr>
<tr><td>*Research Report Submission</td><td>USF
EE</td><td>14000
4000</td></tr>
<tr><td>Tuition Fee for Extension of Registration period</td><td colspan="2">20000</td></tr>
</table>
(Note: *Applicable only for last year)</td>
<td>AE:
Fresh: As per UGC Regulations and University Ordinance

Further: NA</td>
<td>CE: Min 55% in each course of Course Work

CA: NA

EE: EE attempt after course work specified by Exam and University Research Cell (URC)</td>
</tr>
<tr>
<td>R41: Ph.D. (Geology) {2019 Pattern}

Credits: 72
Courses: 3
VRP: 05 Yrs</td>
<td>CBCS: No
Grading: Yes
C: Research
L: Doctoral
M: Part Time Regular Mode
MDP: 3 years after M.Sc. Geology/ equi.
Apvl: UGC</td>
<td>For each Year
[From AY 2021-22 and onwards]

<table>
<tr><th>Desc</th><th colspan="2">Amount</th></tr>
<tr><td>Tuition Fee</td><td colspan="2">20000</td></tr>
<tr><td>*Research Report Submission</td><td>USF
EE</td><td>14000
4000</td></tr>
<tr><td>Tuition Fee for Extension of Registration period</td><td colspan="2">20000</td></tr>
</table>
(Note: *Applicable only for last year)</td>
<td>AE:
Fresh: As per UGC Regulations and University Ordinance

Further: NA</td>
<td>CE: Min 55% in each course of Course Work

CA: NA
EE: EE attempt after course work specified by Exam and University Research Cell (URC)</td>
</tr>
</table>

PROGRAMME FEE DISTRIBUTION DETAILS:

PART A- MANDATORY FEE

		B.Sc. Programmes and B.Sc.(Honours) Programmes -						For 1 year Diploma Programme (T101 & V137)		For 1 year Certificate Programme (C149)	
SN	**Particulars**	**1st yr**	**2nd yr**	**3rd yr**	**Direct 2nd yr (V92 Only)**	**3rd yr of (Hons.)**	**4th yr of (Hons.)**	**1st yr**	**2nd yr**	**1st yr**	**1st yr**
1	Registration Fees	**200**	**200**	**200**	**200**	**200**	**200**	**200**	**200**	**200**	**200**
2	Eligibility Fee	**100**	**-**	**-**	**100**	**-**	**100**	**100**	**-**	**100**	**100**
3	Identity Card Fee	**10**	**-**	**-**	**10**	**-**	**10**	**10**	**-**	**10**	**10**
4	Prospectus Fee	**50**	**50**	**50**	**50**	**50**	**50**	**50**	**50**	**50**	**50**
5	# e-Suvidha/ e-Services Fee	**70**	**70**	**70**	**70**	**70**	**70**	**70**	**70**	**70**	**70**
6	Library Fee	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**-**	**-**
7	Chancellor's Office Events Fees	**38**	**38**	**38**	**38**	**38**	**38**	**38**	**38**	**38**	**-**
8	Sports Fees	**50**	**50**	**50**	**50**	**50**	**50**	**50**	**50**	**50**	**-**
9	DSW Fees	**50**	**50**	**50**	**50**	**50**	**50**	**50**	**50**	**50**	**-**
10	Disaster Management Fees	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**-**	**-**
11	NSS Fees	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**-**	**-**
12	Alumni Fees	**-**	**-**	**10**	**-**	**-**	**10**	**-**	**10**	**10**	**10**
13	Sanvad Fees	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**-**	**-**
14	Graduation/ Convocation Fees	**-**	**-**	**450**	**-**	**-**	**450**	**-**	**450**	***450**	***450**
15	Student Insurance Fees	**20**	**20**	**20**	**20**	**20**	**20**	**20**	**20**	**-**	**-**
	Annual Total Mandatory Fees	**628**	**518**	**978**	**628**	**518**	**1088**	**628**	**978**	**578**	**440**

Note: All Fees are in Rupees

*** Student has to apply for certificate by paying Rs 450/- separately only for T101, V137 & C149**

 # Finance Committee meeting no. 20-2025-26, Item no. 06, dated 31.5.2025

PART B: FEES: SCHOOL OF SCIENCES FEE STRUCTURE 2025-26

(Note: T-Tuition Fee, A –Mandatory Fee and B2- End Exam Fee per Year)

SN	Name of Programme	No. of Credits		Duration in years	T Tuition Fee in ₹	A Part Fee in ₹	B2 part Fee in ₹	DACECT (D)	Total ₹ (T+A +B2+ D)	USF in ₹	LSCF in ₹
1	V151: M.Sc.(Maths) (1st yr)	44		1	20000	628	2480	0	23108	8000	12000
2	V151: M.Sc.(Maths) (2nd yr)	44		1	20000	978	2370	0	23348	8000	12000
3	V152: M.Sc. (EVS) (1st yr)	44		1	20000	628	2480	0	23108	8000	12000
4	V152: M.Sc. (EVS) (2nd yr)	44		1	20000	978	2370	0	23348	8000	12000
5	V153: M.Sc.(Physics) (1st yr)	44		1	20000	628	2480	0	23108	8000	12000
6	V153: M.Sc.(Physics) (2nd yr)	44		1	20000	978	2370	0	23348	8000	12000
7	V154: M.Sc.(Chemistry) (1st yr)	44		1	20000	628	2480	0	23108	8000	12000
8	V154: M.Sc.(Chemistry) (2nd yr)	44		1	20000	978	2370	0	23348	8000	12000
9	V155: M.Sc. (Zoology) (1st yr)	44		1	20000	628	2480	0	23108	8000	12000
10	V155: M.Sc. (Zoology) (2nd yr)	44		1	20000	978	2370	0	23348	8000	12000
11	V156: M.Sc. (Botany) (1st yr)	44		1	20000	628	2480	0	23108	8000	12000
12	V156: M.Sc. (Botany) (2nd yr)	44		1	20000	978	2370	0	23348	8000	12000
13	V157: M.Sc. (Maths with Computer Applications)(**1st yr**)	44		1	20000	628	2480	0	23108	8000	12000
14	V137: Diploma in Statistics	32		1	3150	578	1640	0	5368	1150	2000
15	UGV06: B.Sc. (Honours) (Environmental Science) {2025 Pattern} **(1st yr)**	44		1	6100	628	2920	0	9648	2100	4000
16	V92: Bachelor of Science(PCM) (1st yr)	44		1	6100	628	2920	0	9648	2100	4000
17	V92: Bachelor of Science(PCM) (2nd yr)	44		1	6100	518	2920	0	9538	2100	4000
18	V92: Bachelor of Science(PCM) (Direct 2nd yr)	44		1	6100	628	2920	2100	11748	2100	4000
19	V92: Bachelor of Science(PCM) (3rd yr)	44		1	6100	978	2920	0	9998	2100	4000
20	V100: Bachelor of Science(BCZ) (1st yr)	44		1	6100	628	2920	0	9648	2100	4000
21	V100: Bachelor of Science(BCZ) (2nd yr)	44		1	6100	518	2920	0	9538	2100	4000
22	V100: Bachelor of Science(BCZ) (3rd yr)	44		1	6100	978	2920	0	9998	2100	4000
23	T101: Dip. In Essential Skills (L & E)	48		1	1050	578	2040	0	3668	1050	0
24	C149: Certificate in Bee Keeping	8		6 Month	1100	440	420	0	1960	500	600

WITHDRAWN PROGRAMMES

For all "**Withdrawn Programmes**" (**Total 11 Programmes**):

1. Fresh Admissions **shall not be offered**
2. Further Admissions **shall be offered during specified valid registration period**

STATISTICAL INFORMATION ABOUT WITHDRAWN PROGRAMMES:

Discipline → Level ↓	Design	Science	Architecture	Technology	**Total**
Diploma	0	1	0	0	**1**
UG	0	0	0	0	**0**
PG	0	10	0	0	**10**
Total	**0**	**11**	**0**	**0**	**11**

Note: Refer Schedule of Last Further Admission Time Slot and End Exam Slot for **Withdrawn Programmes mentioned on page 4**

SCIENCE PROGRAMMES

<table>
<tr><th>Programme</th><th>Essential Information</th><th>Fees in ₹</th><th>Admission: Annual Admission in each year</th><th>Examination</th></tr>
<tr><td colspan="5">Diploma (01 Programme)</td></tr>
<tr><td>V135: Diploma in Environmental Science {2021 Pattern}

Sem:2
Credits: 32
Courses: 08
VRP: 02 Yrs

(Withdrawn in 2024)</td><td>CBCS: NA
Grading: Yes
C: General
L: Diploma
P: Semester
MDP: 1 year after UG
Apvl: NA</td><td>For Programme
<table><tr><td>Desc</td><td>Amount</td></tr><tr><td>MF</td><td>1068</td></tr><tr><td>Tuition Fee</td><td>USF 6100
LSCF 12000</td></tr><tr><td>EEF</td><td>1640</td></tr><tr><td>AAFA</td><td>20808</td></tr></table></td><td>Fresh Admission: NO
Further Admission: NO

AE: NA</td><td>CE: Min 40%

RS: Sem 01 & 02

MA:
CA: Only 01 Attempts during each semester

EE: Single EE attempt during each semester till last end exam, if specified</td></tr>
<tr><td colspan="5">Post-Graduate Degree (10 Programmes)</td></tr>
<tr><td rowspan="2">V130: M.Sc. (Mathematics) {2021 Pattern}

Sem: 4
Credits: 80
Courses:20
VRP: 04 Yrs

(Withdrawn in 2023)</td><td>CBCS: No
Grading: Yes
C: General
L: PG
P: Semester
MDP: 2 years after UG
Apvl: UGC</td><td>For each Year
<table><tr><th>Desc</th><th>AAFA Amount</th></tr><tr><td>1st yr</td><td>14608</td></tr><tr><td>2nd yr</td><td>14978</td></tr></table></td><td>Fresh Admission: NO
AE: Any BSc with Maths upto Second year/ BA with Maths/ BE/ BTech or Degree or Equivalent pass

Further Admission: Yes
AE: Already Enrolled for V130</td><td>CE: Min 40%
RS: Sem 03 & 04

MA:
CA: Max Single Attempt
EE: Single EE attempt during each semester till last end exam, if specified</td></tr>
<tr><td colspan="4"><table><tr><th></th><th>MF</th><th colspan="2">Tuition Fee</th><th>EEF</th><th>AAFA</th></tr><tr><th></th><th></th><th>USF</th><th>LSCF</th><th></th><th></th></tr><tr><td>1st yr</td><td>608</td><td>6000</td><td>6000</td><td>2000</td><td>14608</td></tr><tr><td>2nd yr</td><td>978</td><td>6000</td><td>6000</td><td>2000</td><td>14978</td></tr></table></td></tr>
</table>

<table>
<tr><th>Programme</th><th>Essential Information</th><th>Fees in ₹</th><th>Admission: Annual Admission in each year</th><th>Examination</th></tr>
<tr><td rowspan="2">V136: M.Sc. (Environmental Science) {2021 Pattern}
Sem: 4
Credits: 64
Courses: 16
VRP: 04 Yrs

(Withdrawn in 2023)</td><td>CBCS: No
Grading: Yes
C: General
L: PG
P: Semester
MDP: 2 years after UG
Apvl: UGC</td><td>For each Year
<table><tr><th>Desc</th><th>AAFA Amount</th></tr><tr><td>1st yr</td><td>20348</td></tr><tr><td>2nd yr</td><td>20828</td></tr></table>Note: Credit Transfer fee of Rs 1000/- per course applicable for the courses EVS021 and EVS041 [if applied and/or eligible] {MOOC done on Swayam Platform}</td><td>Fresh Admission: NO
AE: B.Sc./B.Sc. (Agri)/B.E./B.Tech./B. Pharm. Degree or Equivalent pass

Further Admission: Yes
AE: Already Enrolled for V136</td><td>CE: Min 40%
RS: Sem 03 & 04
MA:
CA: Max Single Attempt

EE: Single EE attempt during each semester till last end exam, if specified</td></tr>
<tr><td colspan="4"><table><tr><th></th><th>MF</th><th colspan="2">Tuition Fee</th><th>EEF</th><th>AAFA</th></tr><tr><th></th><th></th><th>USF</th><th>LSCF</th><th></th><th></th></tr><tr><td>1st yr</td><td>608</td><td>6100</td><td>12000</td><td>1640</td><td>20348</td></tr><tr><td>2nd yr</td><td>978</td><td>6100</td><td>12000</td><td>1750</td><td>20828</td></tr></table></td></tr>
<tr><td rowspan="2">V141: M.Sc. (Physics) {2022 Pattern}
Sem: 4
Credits: 80
Courses: 26
VRP: 04 Yrs

(Withdrawn in 2023)</td><td>CBCS: Yes
Grading: Yes
C: General
L: PG
P: Semester
MDP: 2 years after UG
Apvl: UGC</td><td>For each Year
<table><tr><th>Desc</th><th>AAFA Amount</th></tr><tr><td>1st yr</td><td>23088</td></tr><tr><td>2nd yr</td><td>23348</td></tr></table></td><td>Fresh Admission: NO
AE: B.Sc. (PCM)/ B.Sc. with Physics at FY and SY/ B.Sc. (Electronics)/ B.E./B. Tech. Degree or Equivalent pass

Further Admission: Yes
AE: Already Enrolled for V141</td><td>CE: Min 40%
RS: Sem 03 & 04

MA:
CA: Max Single Attempt

EE: Single EE attempt during each semester till last end exam, if specified</td></tr>
<tr><td colspan="4"><table><tr><th></th><th>MF</th><th colspan="2">Tuition Fee</th><th>EEF</th><th>AAFA</th></tr><tr><th></th><th></th><th>USF</th><th>LSCF</th><th></th><th></th></tr><tr><td>1st yr</td><td>608</td><td>8000</td><td>12000</td><td>2480</td><td>23088</td></tr><tr><td>2nd yr</td><td>978</td><td>8000</td><td>12000</td><td>2370</td><td>23348</td></tr></table></td></tr>
<tr><td rowspan="2">V142:
M.Sc. (Chemistry) {2022 Pattern}

Sem: 4
Credits: 80
Courses: 26
VRP: 04 Yrs

(Withdrawn in 2023)</td><td>CBCS: Yes
Grading: Yes
C: General
L: PG
P: Semester
MDP: 2 years after UG
Apvl: UGC</td><td>For each Year
<table><tr><th>Desc</th><th>AAFA Amount</th></tr><tr><td>1st yr</td><td>23088</td></tr><tr><td>2nd yr</td><td>23348</td></tr></table></td><td>Fresh Admission: NO
AE: B.Sc. (PCM)/ B.Sc. with Chemistry at FY and SY or Equivalent pass

Further Admission: Yes
AE: Already Enrolled for V142</td><td>CE: Min 40%
RS: Sem 03 & 04

MA:
CA: Max Single Attempt

EE: Single EE attempt during each semester till last end exam, if specified</td></tr>
<tr><td colspan="4"><table><tr><th></th><th>MF</th><th colspan="2">Tuition Fee</th><th>EEF</th><th>AAFA</th></tr><tr><th></th><th></th><th>USF</th><th>LSCF</th><th></th><th></th></tr><tr><td>1st yr</td><td>608</td><td>8000</td><td>12000</td><td>2480</td><td>23088</td></tr><tr><td>2nd yr</td><td>978</td><td>8000</td><td>12000</td><td>2370</td><td>23348</td></tr></table></td></tr>
<tr><td>V143: M.Sc. (Zoology) {2022 Pattern}

Sem: 4
Credits: 80
Courses: 26
VRP: 04 Yrs</td><td>CBCS: Yes
Grading: Yes
C: General
L: PG
P: Semester
MDP: 2 years after UG
Apvl: UGC</td><td>For each Year
<table><tr><th>Desc</th><th>AAFA Amount</th></tr><tr><td>1st yr</td><td>23088</td></tr><tr><td>2nd yr</td><td>23348</td></tr></table></td><td>Fresh Admission: NO
AE: B.Sc. with Zoology at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass

Further Admission: Yes
AE: Already Enrolled for V143</td><td>CE: Min 40%
RS: Sem 03 & 04

MA:
CA: Max Single Attempt

EE: Single EE attempt during each semester till last end exam, if specified</td></tr>
</table>

<table>
<tr><th>Programme</th><th>Essential Information</th><th>Fees in ₹</th><th>Admission: Annual Admission in each year</th><th>Examination</th></tr>
<tr><td>(Withdrawn in 2023)</td><td colspan="4"><table>
<tr><th></th><th>MF</th><th>Tuition Fee</th><th></th><th>EEF</th><th>AAFA</th></tr>
<tr><th></th><th></th><th>USF</th><th>LSCF</th><th></th><th></th></tr>
<tr><td>1st yr</td><td>608</td><td>8000</td><td>12000</td><td>2480</td><td>23088</td></tr>
<tr><td>2nd yr</td><td>978</td><td>8000</td><td>12000</td><td>2370</td><td>23348</td></tr>
</table></td></tr>
<tr><td rowspan="2">V144: M.Sc. (Botany) {2022 Pattern}
Sem: 4
Credits: 80
Courses: 26
VRP: 04 Yrs
(Withdrawn in 2023)</td><td>CBCS: Yes
Grading: Yes
C: General
L: PG
P: Semester
MDP: 2 years after UG
Apvl: UGC</td><td>For each Year<table><tr><th>Desc</th><th>AAFA Amount</th></tr><tr><td>1st yr</td><td>23088</td></tr><tr><td>2nd yr</td><td>23348</td></tr></table></td><td>Fresh Admission: NO
AE: B.Sc. with Botany at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass
Further Admission: Yes
AE: Already Enrolled for V144</td><td>CE: Min 40%
RS: Sem 03 & 04
MA:
CA: Max Single Attempt
EE: Single EE attempt during each semester till last end exam, if specified</td></tr>
<tr><td colspan="4"><table>
<tr><th></th><th>MF</th><th>Tuition Fee</th><th></th><th>EEF</th><th>AAFA</th></tr>
<tr><th></th><th></th><th>USF</th><th>LSCF</th><th></th><th></th></tr>
<tr><td>1stYr</td><td>608</td><td>8000</td><td>12000</td><td>2480</td><td>23088</td></tr>
<tr><td>2nd yr</td><td>978</td><td>8000</td><td>12000</td><td>2370</td><td>23348</td></tr>
</table></td></tr>
<tr><td rowspan="2">V131: M.Sc. (Physics) {2021 Pattern}
Year: 2
Credits: 48
Courses: 16
VRP: 05 Yrs
(Withdrawn in 2022)</td><td>CBCS: No
Grading: Yes
C: General
L: PG
P: Year
MDP: 2 years after UG
Apvl: UGC</td><td>For each Year<table><tr><th>Desc</th><th>Amount</th></tr><tr><td>1st yr</td><td>-</td></tr><tr><td>2nd yr</td><td>22658</td></tr></table></td><td>Fresh Admission: NO
AE: B.Sc. (PCM)/ B.Sc. with Physics at FY and SY/ B.Sc. (Electronics)/ B.E./B. Tech. Degree or Equivalent pass
Further Admission: NO
AE: NA</td><td>CE: Min 40%
RY: Year 02
MA:
CA: Max Single Attempt
EE: Single EE attempt during each year till last end exam, if specified</td></tr>
<tr><td colspan="4"><table>
<tr><th></th><th>MF</th><th>Tuition Fee</th><th></th><th>EEF</th><th>AAFA</th></tr>
<tr><th></th><th></th><th>USF</th><th>LSCF</th><th></th><th></th></tr>
<tr><td>1st yr</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>2nd yr</td><td>978</td><td>8000</td><td>12000</td><td>1680</td><td>22658</td></tr>
</table></td></tr>
<tr><td rowspan="2">V132:
M.Sc. (Chemistry) {2021 Pattern}
Year: 2
Credits: 48
Courses: 16
VRP: 05 Yrs
(Withdrawn in 2022)</td><td>CBCS: No
Grading: Yes
C: General
L: PG
P: Year
MDP: 2 years after UG
Apvl: UGC</td><td>For each Year<table><tr><th>Desc</th><th>Amount</th></tr><tr><td>1st yr</td><td>-</td></tr><tr><td>2nd yr</td><td>22658</td></tr></table></td><td>Fresh Admission: NO
AE: B.Sc. (PCM)/ B.Sc. with Chemistry at FY and SY or Equivalent pass
Further Admission: NO
AE: NA</td><td>CE: Min 40%
RY: Year 02
MA:
CA: Max Single Attempt
EE: Single EE attempt during each year till last end exam, if specified</td></tr>
<tr><td colspan="4"><table>
<tr><th></th><th>MF</th><th>Tuition Fee</th><th></th><th>EEF</th><th>AAFA</th></tr>
<tr><th></th><th></th><th>USF</th><th>LSCF</th><th></th><th></th></tr>
<tr><td>1st yr</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>2nd yr</td><td>978</td><td>8000</td><td>12000</td><td>1680</td><td>22658</td></tr>
</table></td></tr>
<tr><td>V133: M.Sc. (Zoology) {2021 Pattern}
Year: 2
Credits: 48
Courses: 16
VRP: 05 Yrs</td><td>CBCS: No
Grading: Yes
C: General
L: PG
P: Year
MDP: 2 years after UG
Apvl: UGC</td><td>For each Year<table><tr><th>Desc</th><th>Amount</th></tr><tr><td>1st yr</td><td>-</td></tr><tr><td>2nd yr</td><td>22658</td></tr></table></td><td>Fresh Admission: NO
AE: B.Sc. with Zoology at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass
Further Admission: NO
AE: NA</td><td>CE: Min 40%
RY: Year 02
MA:
CA: Max Single Attempt
EE: Single EE attempt during each year till last end exam, if specified</td></tr>
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<tr><th>Programme</th><th>Essential Information</th><th>Fees in ₹</th><th>Admission: Annual Admission in each year</th><th>Examination</th></tr>
<tr><td>(Withdrawn in 2022)</td><td colspan="4"><table>
<tr><th></th><th>MF</th><th>Tuition Fee</th><th></th><th>EEF</th><th>AAFA</th></tr>
<tr><th></th><th></th><th>USF</th><th>LSCF</th><th></th><th></th></tr>
<tr><td>1st yr</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>2nd yr</td><td>978</td><td>8000</td><td>12000</td><td>1680</td><td>22658</td></tr>
</table></td></tr>
<tr><td rowspan="2">V134: M.Sc. (Botany) {2021 Pattern}
Year: 2
Credits: 48
Courses: 16

VRP: 05 Yrs

(Withdrawn in 2022)</td><td>CBCS: No
Grading: Yes
C: General
L: PG
P: Year
MDP: 2 years after UG
Apvl: UGC</td><td>For each Year<table>
<tr><th>Desc</th><th>Amount</th></tr>
<tr><td>1st yr</td><td>-</td></tr>
<tr><td>2nd yr</td><td>22658</td></tr>
</table></td><td>Fresh Admission: NO
AE: B.Sc. with Botany at FY and SY/ B.Sc .(Agri) Degree or Equivalent pass

Further Admission: NO
AE: NA</td><td>CE: Min 40%
RY: Year 02

MA:
CA: Max Single Attempt

EE: Single EE attempt during each year till last end exam, if specified</td></tr>
<tr><td colspan="4"><table>
<tr><th></th><th>MF</th><th>Tuition Fee</th><th></th><th>EEF</th><th>AAFA</th></tr>
<tr><th></th><th></th><th>USF</th><th>LSCF</th><th></th><th></th></tr>
<tr><td>1st yr</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>2nd yr</td><td>978</td><td>8000</td><td>12000</td><td>1680</td><td>22658</td></tr>
</table></td></tr>
</table>

LEARN AND EARN SCHEME

The 'Yashwantrao Chavan Maharashtra Open University (YCMOU)' had signed "Agreement" on **03-07-2018** with the organization "**Abhinav Institute of Technology &Management**", registered office at "601, 6th Floor, Paradise Tower, Gokhale Road, Thane (West) – 400 602" to offer skill based academic programmes under '**Learn and Earn**' scheme.

- Government of Maharashtra has released Government Resolution (GR) No. 201803131751197708 dated 13th March 2018 to implement this Learn and Earn Scheme jointly by YCMOU and the recognized LSC/ Study Center of this University.

This **organization is duly approved as "YCMOU LSC" to implement this scheme is as follow:**

Students enrolled under "Learn and Earn" scheme are placed various industries or business units as an '**Apprentice**' under the 'Apprenticeship Act 1961'to acquire and master various skills in 'real' work environment. But, students under this scheme **are not allowed to place as an 'Apprentice' in hazardous industries**. Presently, **only** following programmes are offered under this scheme:

1. **T101**: Diploma in Essential Skills (**DES**)
2. **T103:** Diploma in Industrial Skills (**DIS**)

The Government of Maharashtra has approved this scheme and the students under the '**Learn and Earn**' scheme have been declared as '**Apprentice**' under the 'Apprenticeship Act 1961', up **to the period of 2 years.**

"**National Skill Qualification Framework (NSQF)**" is the current thrust area for the Maharashtra state as well as Central Government. In line with this state and national mission and framework, this University offer Skill diploma programmes at **Level 3 and 4 of NSQF** in skill education discipline.

STUDENTS BENEFITS

Apart from the essential facilities (**@ pre-informed subsidized rates**) such as canteen, uniform, safety shoes etc. for **each** student, the cost of the education is also paid by the respective industry or business unit. In addition to this, respective industry or business unit also pays the **specified monthly stipend** to **each** student apprentice as per the prevalent provisions of 'Apprenticeship Act 1961'. Presently, monthly stipend offered to **each** student apprentice is as given below:

1. During 1 year duration of "**T101**: Diploma in Essential Skills (**DES**)" programme: **₹8000/- to ₹8500/- approximately** during each month

TEACHING-LEARNING

Above LSC/ Study Center/ organization is required to arrange the following activities:

- **Learning Resource:** Self-Learning-Material (SLM) i.e., Study Material shall be made available by the University in eBook/ electronic format for **free download under EBooks on the University Website at http://www.ycmou.ac.in/,** accessible on the web page of School of Sciences and further distribution by the recognized LSC. The LSC may provide this Learning Resource in print form to all enrolled students for learn and earn scheme.
- **Counseling Sessions:** LSC will arrange 12 face-to-face classroom counseling sessions of 1 clock hour duration for each Theory Type of Course (Subject) of 4 Credits at the work place of the students or on weekly off-days at the LSC/ Study Center.
- **Mobile ready lectures:** can be used for teaching-learning. This offers much better consistent quality and unprecedented flexibility of learning from anywhere, anytime. After initial onetime download, Mobile ready lecture modules can be repeated multiple numbers of times without live Internet connection. Hence, LSC may develop 40–60 Mobile ready lecture modules, **each** of 10 ±

02 minutes duration for **each** course (subject) **along with and** monthly face-to-face single lecture of 1 hour duration at **each** industry where students are placed, from 'real' teacher.

- **On Job Training:** Above LSC/ organization is required to arrange "On Job Training" for specified hours, under guidance and supervision of qualified and experienced **Mentor/ Supervisor/ Counsellor** at allotted service unit, industry unit.

EXAMINATION

1. Conduct of "Continuous Assessment (CA)" **and** reporting of CA marks for each student shall be responsibility of the respective LSC for all courses.
2. Conduct of "End Examination (EE)" **and** reporting of EE marks for each student shall be responsibility of the respective LSC for all Activity type of courses like "On Job Training".
3. Conduct of "End Examination (EE)" **and** reporting of EE marks for each student shall be responsibility of the university for **all Theory type of courses**.
4. **Separate and independent passing:** Grade Point 4 (minimum passing percentage) in EE and CA shall be essential for each course at each semester. Hence, student must score following minimum marks for successful completion of each course.
    a. Minimum 28 marks out of 80 marks in End Exam is essential and
    b. Minimum 07 marks out of 20 marks in CA is essential and
    c. Hence 'total of CA+EE' requires minimum **35** marks out of maximum **100** marks for each Theory type of courses
    d. Minimum **70** marks out of maximum **200** marks for each Term-work/Activity type of courses
5. Only **1 attempt** for EE for each course shall be allowed in each semester.
6. LSC/Study Center may provide maximum 2 attempts for CA, for each course in each semester. But only one best score out of two CA shall be reported to the Exam Division of University in the specified format.
7. "CA, EE and Total marks" shall be separately reported for each course in the transcript or mark-statement at each semester
8. Total student evaluation for
    a. Each semester shall be for 600 marks.
    b. Each Diploma shall be for 1200 marks.
9. Only best of past performance shall be reported in transcript or mark statement.
10. **Certification Eligibility (CE)** - After successful completion of all courses at all semester of the academic programme, student is eligible for certification only after aggregate 35% marks in End Examination

A. Continuous Assessment for Theory and Term-Work type of Courses

Continuous Assessment (CA) is Open-Book Formative Evaluation without supervision conducted by the Counselor for the respective course at each LSC/ Study Center. Mentor/Counsellor/Supervisor shall prepare question paper for each CA to be conducted.

CA for each credit point block shall be for 5 marks only. For 4 Credit course CA shall be conducted for 20 Marks.

1. Type of CA: 20 MCQs for 20 Marks or 04 SAQs each of 5 Marks for total 20 Marks

2. Number of attempts for each CA, during each semester: **01**
3. CA has 20% weightage in "Total Marks"
4. Students who do not opt CA or remain absent for CA, zero marks shall be reported in the mark-statement.
5. CA is **not** applicable for **Term-Work type courses**

B. End Examination

<table>
<tr><th>Course Type →
Evaluation Type ↓</th><th>Theory</th><th>Term-Work</th></tr>
<tr>
<td>End Examination (EE) with following all features:

(01) Close-Book, With Supervision

(02) At specified Date, Time and Exam Center

(03) During May/Jun or Nov/Dec</td>
<td>As per the University Schedule

May/Jun or Nov/Dec of each year, "End Examination (EE)" of total 80 Marks and 16 "Short Answer Questions (SAQs)" each of 05 marks (4 out of 5 SAQs on each Credit),

During 120 Minutes.

End Exam Marks shall have 80% weightage in Total Marks.</td>
<td>At the end of each semester, each Mentor at each industry or business unit and "1 (one) external expert" to be appointed by the LSC/ Study Center will complete "End Exam (EE)" for all allotted students as follows:

Internal Mentor/ Supervisor/ Counsellor and External Expert each will have 50% weightage.

Time Schedule: Immediately after Theory End Exam during each Semester in May/Jun or Nov/Dec

Duration: 180 minutes

Total Marks: 200 Marks
<table>
<tr><th>Parameter</th><th>Internal Mentor (out of 100 Marks)</th><th>External Expert (out of 100 Marks)</th></tr>
<tr><td>Punctuality as per thumb attendance record</td><td>Out of 20</td><td>Out of 20</td></tr>
<tr><td>Term work submission</td><td>Out of 20</td><td>Out of 20</td></tr>
<tr><td>Understanding about the nature of job role at workplace</td><td>Out of 20</td><td>Out of 20</td></tr>
<tr><td>Skill Proficiency by Viva on Mini Project</td><td>Out of 40</td><td>Out of 40</td></tr>
</table>
</td>
</tr>
</table>

FEE STRUCTURE

"**LSC/Study Center Fee (LSCF)**" **shall not be payable by the student** for any programme offered under **"Learn and Earn"** scheme. But, "**University Share Fee (USF)**", **"Mandatory Fee (MF)**" and **"End Exam Fee (EEF)**" for first compulsory attempt are given below in "**Fee Structure**" for all academic programmes under "Learn and Earn" scheme. From the academic year 2023-24, the annual new fee structure for Skill Diploma programmes per student per year should be as follows:

Admission		Examination Fee (EF) for Repeater Students
Desc	Amount	Exam Fee is payable to university along with the 'Exam Form', for **each** repeat end exam attempt
MF	₹ 578 for **each** Year (Includes Mandatory Fee)	
USF	₹ 1050 for **each** Year	
EEF	₹2040 for **each** Year [₹ 200 per Theory and ₹ 220 per TW]	
LSCF	**Nil** for students (Students need not have to pay LSC/ Study Center Share to the Institute)	
*Certificate fee	₹ 450 (to be paid separately)	

JOB OPPORTUNITIES FOR STUDENTS

1. After successful completion of these academic programmes, depending on satisfactory performance of the student during the apprenticeship period, industries may prefere to continue these students on regular post. However, placement on regular posts after successful completion of these academic programmes is **not guaranteed**.
2. The University does not ensure placement/ employability to those students passed these Learn & Earn Diplomas. On the basis of the skills earned during Diploma, Students have to apply for the various available job opportunities.

DIRECT ADMISSION COURSE EXEMPTION POLICIES AND RULES

DACECT: OBJECTIVES

- Recognition of successful completion of other courses from other statutory **university or Board** or MOOC Courses from SWAYAM Platform of Government of India and granting
  - Course Exemptions (CE), if syllabus is similar, but evaluation pattern is different
  - Credit Transfer (CT), if syllabus and evaluation, both are similar
- At the time of first fresh online admission, student has to apply for Direct Admission, Course Exemption and Credit Transfer.
- Direct Admission, Course Exemption and Credit Transfer **shall be given** during fresh admission only.
- Direct Admission, Course Exemption and Credit Transfer **shall not be given** during further admissions.
- No change in DACECT status after first fresh admission to ensure simplicity and promoting better learning

DACECT: POLICIES AND RULES

1. **Apply Only Once at the time of Fresh online Admission**: Students are allowed to apply for DACECT **only once** at the time of fresh online admission. DACECT status of any student, shall not be modified or changed for what so ever reasons, after his / her fresh admission.
2. **No Automatic Processing**: Direct Admission, Course Exemption and Credit Transfer shall be given only when student apply for it, along with attested photocopies of specified documents. Without such application, automatic processing of "DACECT" shall not be done.
3. **Successful completion of full Academic Year is Essential**: Student performance at only those academic years (or all the semesters / trimesters which constitute the full academic year), which are successfully completed by the student, will be considered while processing of DACECT.

Student performance at partially completed academic years (or all the semesters / trimesters which constitute the full academic year) will not be considered while processing of DACECT.

4. **No Course Exemptions without Direct Admission**: Normally, course exemptions shall be given only along with the direct admission. Thus, normally course exemptions shall not be given for what so ever reasons, if student is not eligible for direct admission.
5. **No 'Course Exemptions' and 'Credit Transfers' at Final Reporting Year**: Irrespective of any higher qualification(s), course exemptions or credit transfers shall not be given for any course at final reporting academic year (or at any semester, which constitute final academic year).
6. **No 'Direct Admission' beyond the First Semester of the Final Reporting Year**: Irrespective of any higher qualification(s), direct admission shall not be given beyond the first semester of the final reporting academic year (or at any semester, which constitute final academic year).

DACECT Details

For DACECT following abbreviations are used in the table:

- **Qual Code (QC)**: Qualification Code
- **DA**: Direct Admission
- **CE**: Course Exemption
- **CT**: Credit Transfer
- **Sem**: Semester
- **MOOC**: Massive Open Online Course
- **NA**: Not Applicable

About MOOC

- SWAYAM is a programme initiated by Government of India and designed to achieve three cardinal principles of Education Policy viz., access, equity and quality. The objective of this effort is to take the best teaching learning resources to all, including the most disadvantaged. SWAYAM seeks to bridge the digital divide for students who have hitherto remained untouched by the digital revolution and have not been able to join the mainstream of knowledge economy.
- Thousands of courses are available on the SWAYAM Platform to enrich the learning experience by using audio-video and multi-media and state of the art pedagogy / technology.
- UGC has already issued the UGC (Credit Framework for online learning courses through SWAYAM) Regulation 2016 advising the Universities to identify courses where credits can be transferred on to the academic record of the students for courses done on SWAYAM. AICTE has also put out gazette notification in 2016 and subsequently for adoption of these courses for credit transfer.
- MOOC stands for Massive Open Online Course. MOOCs have become a popular and proven way to obtain education online that is accessible, affordable, and self-paced. MOOC is nothing but online courses offered by SWAYAM Platform.
- In line with the above directions, this School used syllabus of the MOOCs offered in Swayam Platform for the following two courses of Diploma and M.Sc. in Environmental Science programmes.
    1. EVS021: Environmental Sustainability (MOOC)
    2. EVS041: Sustainable Management of Biodiversity (MOOC)

- These Courses are offered on Swayam Platform. Those who will complete these courses on Swayam Platform, for them Credit Transfer will be given in the corresponding courses EVS021 and EVS041 offered in V136: MSc (EVS) and V135: Diploma in EVS programme.

DACECT FOR SCIENCE PROGRAMMES

Important Information : If student comply with any one or more qualification code(s) as given in 'Column 01' and its respective description in 'Column 02' of the following table, then student should apply for the 'Direct Admission, Course Exemption and Credit Transfer (DACECT)' at the time of fresh online admission:

Qual Code (QC)	Description		Approved for		
		DA to	CE for		CT for
Direct Admission and Course Exemption for V92: B.Sc. (Phy, Che, Maths)					
V92UGP01	Students who have passed B.Sc. first year (Semester 01 and 02) with Mathematics as one of the subjects from any recognized university.	Second Year [Sem 03 and 04]	**Sem 01**: AEC111 S34121 S37131 S41141 S34122 S37132 S41142	**Sem 02**: AEC211 S34221 S37231 S41241 S34222 S37232 S41242	NA
Credit Transfer for V136: M.Sc. (Environmental Science) and V135: Diploma in Environmental Science					
V135 EVS021	Students who have successfully completed MOOC offered in Swayam platform on Environmental Sustainability	-	-	-	EVS021: Environmental Sustainability of V135
V136 EVS021	Students who have successfully completed MOOC offered in Swayam platform on Environmental Sustainability	-	-	-	EVS021: Environmental Sustainability of V136
V136 EVS041	Students who have successfully completed MOOC offered in Swayam platform on Sustainable Management of Biodiversity	-	-	-	EVS041: Sustainable Management of Biodiversity of V136

About Courses

Programmes on Offer

Skill Programmes

T101: Diploma in Essential Skills {Learn & Earn 2019 Pattern}

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester 01: 16 + 08 = 24 Credits								
01	DES011	Communication and Soft Skills – 01	20	80	100	T	4	35%
02	DES012	Math & Statistical Skills – 01	20	80	100	T	4	35%
03	DES013	Financial Accounting Skills – 01	20	80	100	T	4	35%
04	DES014	IT Skills – 01	20	80	100	T	4	35%
05	DES015	On-Job-Training – 01	NA	200	200	TW	8	35%
Semester 02: 16 + 08 = 24 Credits								
06	DES021	Communication and Soft Skills – 02	20	80	100	T	4	35%
07	DES022	Math & Statistical Skills – 02	20	80	100	T	4	35%
08	DES023	Financial Accounting Skills - 02	20	80	100	T	4	35%
09	DES024	IT Skills – 02	20	80	100	T	4	35%
10	DES025	On-Job-Training - 02	NA	200	200	TW	8	35%

Science Programmes [Before 2023 Pattern]

C149: Certificate Programme in Beekeeping {2020 Pattern}

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
01	GEN171	Beekeeping Skills Certificate Course – Textbook	20	80	100	T	6	40%
02	GEN172	Beekeeping Skills Certificate Course – Workbook	NA	50	50	P	2	35%

V137: Diploma In Statistics {2021 Pattern}

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester 01: 16 Credits								
01	DSS011	Basic Mathematics 1	20	80	100	T	4	40%
02	DSS012	Basic Mathematics 2	20	80	100	T	4	40%
03	DSS013	Fundamentals of Statistics	20	80	100	T	4	40%
04	DSS014	Excel Application in Statistics	NA	100	100	TW	4	40%
Semester 02: 16 Credits								
05	DSS021	Inferential Statistics	20	80	100	T	4	40%
06	DSS022	Sampling Theory and Regression	20	80	100	T	4	40%
07	DSS023	Design of Experiment	20	80	100	T	4	40%
08	DSS024	R Programming for Statistics	NA	100	100	TW	4	40%

V92: B.Sc. (Phy, Che, Maths) {2015 Pattern}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min%
Semester 01: 22 Credits								
01	AEC111	English Communication	20	80	100	T	4	40%
02	S34121	Physics – 01	20	80	100	T	4	40%
03	S37131	Chemistry – 01	20	80	100	T	4	40%
04	S41141	Mathematics – 01	20	80	100	T	4	40%
05	S34122	Physics – 01 Practical	10	40	50	P	2	40%
06	S37132	Chemistry – 01 Practical	10	40	50	P	2	40%
07	S41142	Mathematics – 01 Practical	10	40	50	P	2	40%
Semester 02: 22 Credits								
08	AEC211	Environmental Science	20	80	100	T	4	40%
09	S34221	Physics – 02	20	80	100	T	4	40%
10	S37231	Chemistry – 02	20	80	100	T	4	40%
11	S41241	Mathematics – 02	20	80	100	T	4	40%
12	S34222	Physics – 02 Practical	10	40	50	P	2	40%
13	S37232	Chemistry – 02 Practical	10	40	50	P	2	40%
14	S41242	Mathematics – 02 Practical	10	40	50	P	2	40%
Semester 03: 22 Credits								
15	SEC311	IT and ELearning Skills	20	80	100	T	4	40%
16	S34321	Physics – 03	20	80	100	T	4	40%
17	S37331	Chemistry – 03	20	80	100	T	4	40%
18	S41341	Mathematics – 03	20	80	100	T	4	40%
19	S34322	Physics – 03 Practical	10	40	50	P	2	40%
20	S37332	Chemistry – 03 Practical	10	40	50	P	2	40%
21	S41342	Mathematics – 03 Practical	10	40	50	P	2	40%
Semester 04: 22 Credits								
22	SEC411	Research Methodology	20	80	100	T	4	40%
23	S34421	Physics – 04	20	80	100	T	4	40%
24	S37431	Chemistry – 04	20	80	100	T	4	40%
25	S41441	Mathematics – 04	20	80	100	T	4	40%
26	S34422	Physics – 04 Practical	10	40	50	P	2	40%
27	S37432	Chemistry – 04 Practical	10	40	50	P	2	40%
28	S41442	Mathematics – 04 Practical	10	40	50	P	2	40%
Semester 05: 22 Credits								
29	SEC511	Financial and Investment Skills	20	80	100	T	4	40%
30	S34521	Physics – 05	20	80	100	T	4	40%
31	S37531	Chemistry – 05	20	80	100	T	4	40%

SN	Code	Name	CAT	EE	TM	Type	Credits	Min%
32	S41541	Mathematics – 05	20	80	100	T	4	40%
33	S34522	Physics – 05 Practical	10	40	50	P	2	40%
34	S37532	Chemistry – 05 Practical	10	40	50	P	2	40%
35	S41542	Mathematics – 05 Practical	10	40	50	P	2	40%
Semester 06: 22 Credits								
36	SEC611	Personality and Career Skills	20	80	100	T	4	40%
37	S34621	Physics – 06	20	80	100	T	4	40%
38	S37631	Chemistry – 06	20	80	100	T	4	40%
39	S41641	Mathematics – 06	20	80	100	T	4	40%
40	S34622	Physics – 06 Practical	10	40	50	P	2	40%
41	S37632	Chemistry – 06 Practical	10	40	50	P	2	40%
42	S41642	Mathematics – 06 Practical	10	40	50	P	2	40%

V100: B.Sc. [Botany, Chemistry, Zoology] {2023 Pattern}

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester 01: 22 Credits								
01	AEC111	English Communication	20	80	100	T	4	40%
02	BNY101	Plant diversity	20	80	100	T	4	40%
03	BNY102	Plant diversity– Practical	10	40	50	P	2	40%
04	CHE104	Basic Inorganic & Organic Chemistry	20	80	100	T	4	40%
05	CHE105	Basic Inorganic & Organic Chemistry – Practical	10	40	50	P	2	40%
06	ZGY101	Animal Diversity	20	80	100	T	4	40%
07	ZGY102	Animal Diversity – Practical	10	40	50	P	2	40%
Semester02: 22 Credits								
08	AEC211	Environmental Science	20	80	100	T	4	40%
09	BNY106	Plant Ecology and Taxonomy	20	80	100	T	4	40%
10	BNY107	Plant Ecology and Taxonomy – Practical	10	40	50	P	2	40%
11	CHE106	Physical & Organic Chemistry – 1	20	80	100	T	4	40%
12	CHE107	Physical & Organic Chemistry – 1- Practical	10	40	50	P	2	40%
13	ZGY106	Anatomy and Developmental Biology of Vertebrates	20	80	100	T	4	40%
14	ZGY107	Anatomy and Developmental Biology of Vertebrates-Practical	10	40	50	P	2	40%
Semester03: 22 Credits								
15	SEC311	IT and Elearning Skills	20	80	100	T	4	40%
16	BNY201	Diversity & Morphology of Angiosperms	20	80	100	T	4	40%
17	BNY202	Diversity & Morphology of Angiosperms – Practical	10	40	50	P	2	40%

18	CHE201	Physical & Organic Chemistry – 2	20	80	100	T	4	40%
19	CHE202	Physical & Organic Chemistry – 2- Practical	10	40	50	P	2	40%
20	ZGY201	Animal Physiology and Ecology	20	80	100	T	4	40%
21	ZGY202	Animal Physiology and Ecology – Practical	10	40	50	P	2	40%
Semester04: 22 Credits								
22	SEC411	Research Methodology	20	80	100	T	4	40%
23	BNY206	Plant Systematics-Algae, Fungi & Bryophytes	20	80	100	T	4	40%
24	BNY207	Plant Systematics-Algae, Fungi & Bryophytes- Practical	10	40	50	P	2	40%
25	CHE206	Physical & Inorganic Chemistry	20	80	100	T	4	40%
26	CHE207	Physical & Inorganic Chemistry –Practical	10	40	50	P	2	40%
27	ZGY206	Genetics and Evolutionary Biology	20	80	100	T	4	40%
28	ZGY207	Genetics and Evolutionary Biology- Practical	10	40	50	P	2	40%
Semester 05: 22 Credits								
29	SEC511	Financial and Investment Skills	20	80	100	T	4	40%
30	BNY 301	Cell Biology and Genetics	20	80	100	T	4	40%
31	BNY302	Cell Biology and Genetics – Practical	10	40	50	P	2	40%
32	CHE301	Molecular Modeling Chemistry	20	80	100	T	4	40%
33	CHE302	Molecular Modeling Chemistry-Practical	10	40	50	P	2	40%
34	ZGY301	Mammalian Histology	20	80	100	T	4	40%
35	ZGY302	Mammalian Histology – Practical	10	40	50	P	2	40%
Semester 06: 22 Credits								
36	SEC611	Personality and Career Skills	20	80	100	T	4	40%
37	BNY307	Analytical Techniques in Plant Sciences & Horticulture	20	80	100	T	4	40%
38	BNY308	Analytical Techniques in Plant Sciences & Horticulture – Practical	10	40	50	P	2	40%
39	CHE307	Green Chemistry	20	80	100	T	4	40%
40	CHE308	Green Chemistry- Practical	10	40	50	P	2	40%
41	ZGY307	Pest Management & Parasitology	20	80	100	T	4	40%
42	ZGY308	Pest Management & Parasitology – Practical	10	40	50	P	2	40%

R91: PH.D. (CHEMISTRY) {2019 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Course Work: 12 Credits								
01	RES101	Research Methodology	50	50	100	T	4	55%
02	RES135	Applications of Analytical Techniques in Chemistry	50	50	100	T	4	55%
03	RES136 OR	Organic Chemistry	50	50	100	T	4	55%

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
04	RES137 OR	Inorganic Chemistry	50	50	100	T	4	55%
05	RES138 OR	Physical Chemistry	50	50	100	T	4	55%
06	RES139 OR	Analytical Chemistry	50	50	100	T	4	55%
Research Work								
		Research Work	Presentations and Viva-Voce				60	Award

R92: PH.D. (ENVIRONMENTAL SCIENCE) {2019 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Course Work: 12 Credits								
01	RES101	Research Methodology	50	50	100	T	4	55%
02	RES142	Advances in Environmental Science	50	50	100	T	4	55%
03	RES143	Issues in Environmental Sciences	50	50	100	T	4	55%
Research Work								
		Research Work	Presentations and Viva-Voce				60	Award

R41: PH.D. (GEOLOGY) {2019 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Course Work: 12 Credits								
01	RES101	Research Methodology	50	50	100	T	4	55%
02	RES132	Applications of Geospatial Techniques	50	50	100	T	4	55%
03	RES133	Geology	50	50	100	T	4	55%
Research Work								
		Research Work	Presentations and Viva-Voce				60	Award

SCIENCE PROGRAMMES [FROM 2023 PATTERN ONWARDS]

Implementation of National Education Policy 2020 (NEP 2020) for PG Programmes

New Postgraduate Programmes as per NEP from Academic Year 2023-24:

The National Education Policy 2020 (NEP 2020) will be implemented by Yashwantrao Chavan Maharashtra Open University with effect from the academic year 2023-2024 for all existing postgraduate programmes as stated in the Government resolution: शासन निर्णय क्रमांक: एनईपी–2022/प्र.क्र.09/विशि-3 शिकाना, dated 16 May 2023. This implementation is in accordance with **NEP 2020's directing principles**.

The postgraduate degree is of 2 years duration divided into 4 semesters. Each semester is of 22 credits, resulting in a total of 88 credits for the degree. Therefore, postgraduate programmes offered by the School of Sciences [MSc (Mathematics), MSc (Environmental Science), MSc (Physics), MSc (Chemistry), MSc (Botany), and MSc (Zoology)] have undergone a revamp with the following key changes:

- **New Structure**: The Programme Structures and Credit Distribution, and Curricula is revised to reflect NEP-2020's structure and features.
- **Reorganized course Offerings**: On the university website, you will find the newly designed curricula for each MSc programme. The split of mandatory (core) courses into Discipline Specific Core Courses (DSC) and Discipline Specific Elective Courses (DSE) is one of the fundamental components of the new postgraduate programme structure.
- **Emphasis on 'On Job Training (OJT)'/ Field Project (FP), Research project Courses**: The new programme structure includes courses on research methodology in the first semester, opportunities for 'On Job Training' such as Internships or Field Project (FP) in the second semester, research projects of 04 credits in the third semester and a research project of 06 credits in the fourth semester.

Note: The detailed implementation guidelines regarding On Job Training (OJT), Field project (FP) and Research Projects (RP) shall be provided separately on the university's official website. The learners are advised to check website regularly for these guidelines and related updation/modification if any.

PROGRAMME STRUCTURE (AS PER NEP 2020)

The following Programme Structure is applicable for

2 Years - 4 Semesters PG Degree (88 Credits) after Three Year UG Degree

Abbreviations of the courses

Mandatory DSC	Discipline Specific Core Course	**Elective DSE**	Discipline Specific Elective Course
RM	Research Methodology	**OJT**	On Job Training: Internship
FP	Field projects	**RP**	Research Project
OE	Open Elective (May be taken from MOOC or may be chosen from other domain of learning to get exposure to interdisciplinary domain)		

V151: M.SC. (MATHEMATICS){2023 PATTERN}

SN	Course Category	Code	Course Name	CA	EE	TM	Type	CR	Min%
[Level 6.0] Semester 01 : 22 Credits									

SN	Course Category	Code	Course Name	CA	EE	TM	Type	CR	Min%
01	Mandatory(DSC)	MAT501	Real Analysis	30	70	100	T	4	40%
02	Mandatory(DSC)	MAT502	Abstract Algebra	30	70	100	T	4	40%
03	Mandatory(DSC)	MAT503	Ordinary Differential Equations	15	35	50	T	2	40%
04	Mandatory(DSC)	MAT504	Programming in C and Scilab	50	50	100	P	4	40%
05	RM	RES505	Research Methodology	30	70	100	T	4	40%
Elective (DSE) Courses (Select Any One)									
06	Elective (DSE)	MAT506	Operations Research	30	70	100	T	4	40%
07	Elective (DSE)	MAT507	Numerical Analysis	30	70	100	T	4	40%
[Level 6.0] Semester 02: 22 Credits									
08	Mandatory(DSC)	MAT509	Topology	30	70	100	T	4	40%
09	Mandatory(DSC)	MAT510	Linear Algebra	30	70	100	T	4	40%
10	Mandatory(DSC)	MAT511	Partial Differential Equations	15	35	50	T	2	40%
11	Mandatory(DSC)	MAT512	LaTex and Programming in SageMath	50	50	100	P	4	40%
12	OJT/FP	MAT513 MAT514	Any one OJT or FP OJT FP	50	50	100	TW	4	40%
Elective (DSE) Courses (Select Any One)									
13	Elective (DSE)	MAT515	Number Theory	30	70	100	T	4	40%
14	Elective (DSE)	MAT516	Field Theory	30	70	100	T	4	40%
Exit option: PG Diploma in Mathematics (Level 6.0) after Three Year UG Degree									
[Level 6.5] Semester 03: 22 Credits									
15	Mandatory(DSC)	MAT601	Complex Analysis	30	70	100	T	4	40%
16	Mandatory(DSC)	MAT602	Measure and Integration Theory	30	70	100	T	4	40%
17	Mandatory(DSC)	MAT603	Integral Equations	15	35	50	T	2	40%
18	Mandatory(DSC)	MAT604	Mathematical Statistics & Combinatorics	50	50	100	P	4	40%
19	RP	MAT605	Research Project	50	50	100	PW	4	40%
Elective (DSE)Courses (Select Any One)									
20	Elective (DSE)	MAT606	Discrete Mathematics	30	70	100	T	4	40%
21	Elective (DSE)	MAT607	Differential Geometry	30	70	100	T	4	40%
22	Elective (DSE)	MAT608	Integral Transforms	30	70	100	T	4	40%
[Level 6.5] Semester 04: 22 Credits									
23	Mandatory(DSC)	MAT609	Classical Mechanics	30	70	100	T	4	40%
24	Mandatory(DSC)	MAT610	Functional Analysis	30	70	100	T	4	40%
25	Mandatory(DSC)	MAT611	Programming in Python	50	50	100	P	4	40%
26	RP	MAT612	Research Project	75	75	150	PW	6	40%
Elective (DSE)Courses (Select Any One)									
27	Elective (DSE)	MAT613	Cryptography	30	70	100	T	4	40%

SN	Course Category	Code	Course Name	CA	EE	TM	Type	CR	Min%
28	Elective (DSE)	MAT614	Topics in Fuzzy Mathematics	30	70	100	T	4	40%
29	Elective (DSE)	MAT615	Algebraic Topology	30	70	100	T	4	40%
2 Years- 4 Semester PG Degree in Mathematics (88 credits) after Three Year UG Degree									

V152: M.Sc. (Environmental Science){2023 Pattern}

SN	Course Category	Code	Course Name	CA	EE	TM	Type	CR	Min %
[Level 6.0] Semester 01 : 22 Credits									
01	Mandatory(DSC)	EVS501	Environmental Science and Environmental Biology	30	70	100	T	4	40%
02	Mandatory(DSC)	EVS502	Natural Resources and Their Conservation	30	70	100	T	4	40%
03	Mandatory(DSC)	EVS503	Biodiversity and Conservation	15	35	50	T	2	40%
04	Mandatory(DSC)	EVS504	Lab Activities on EVS501, EVS502 & EVS503	50	50	100	P	4	40%
05	RM	RES505	Research Methodology	30	70	100	T	4	40%
Elective (DSE) Courses (Select Any One)									
06	Elective (DSE)	EVS506	Environmental Education, Policies & Legislation	30	70	100	T	4	40%
07	Elective (DSE)	EVS507	Management of Water Resources	30	70	100	T	4	40%
[Level 6.0] Semester 02 : 22 Credits									
08	Mandatory(DSC)	EVS509	Environmental Chemistry	30	70	100	T	4	40%
09	Mandatory(DSC)	EVS510	Environmental Geosciences & Computer Applications	30	70	100	T	4	40%
10	Mandatory(DSC)	EVS511	Herbal Wealth	15	35	50	T	2	40%
11	Mandatory(DSC)	EVS512	Lab Activities on EVS509 & EVS510	50	50	100	P	4	40%
12	OJT/FP	EVS513 EVS514	Any one OJT or FP OJT FP	50	50	100	TW	4	40%
Elective (DSE) Courses (Select Any One)									
13	Elective (DSE)	EVS515	Environmental Sustainability	30	70	100	T	4	40%
14	Elective (DSE)	EVS516	Solid & Hazardous Waste Management	30	70	100	T	4	40%
Exit option: PG Diploma in Environmental Science (Level 6.0) after Three Year UG Degree									
[Level 6.5] Semester 03 : 22Credits									
15	Mandatory(DSC)	EVS601	Environmental Monitoring and Energy Studies	30	70	100	T	4	40%
16	Mandatory(DSC)	EVS602	Instrumentation & Lab Techniques	30	70	100	T	4	40%
17	Mandatory(DSC)	EVS603	Green Chemistry	15	35	50	T	2	40%
18	Mandatory(DSC)	EVS604	Lab Activities on EVS601 & EVS602	50	50	100	P	4	40%

19	RP	EVS605	Research Project	50	50	100	PW	4	40%
Elective (DSE) Courses (Select Any One)									
20	Elective (DSE)	EVS606	Sustainable Management of Biodiversity	30	70	100	T	4	40%
21	Elective (DSE)	EVS607	Environmental Management	30	70	100	T	4	40%
22	Elective (DSE)	EVS608	Renewable Energy Studies	30	70	100	T	4	40%
[Level 6.5] Semester 04 : 22 Credits									
23	Mandatory(DSC)	EVS609	Environmental Microbiology and Toxicology	30	70	100	T	4	40%
24	Mandatory(DSC)	EVS610	Environmental Issues & Human Health	30	70	100	T	4	40%
25	Mandatory(DSC)	EVS611	Lab Activities on EVS609 & EVS610	50	50	100	P	4	40%
26	RP	EVS612	Research Project	75	75	150	PW	6	40%
Elective (DSE) Courses (Select Any One)									
27	Elective (DSE)	EVS613	Statistical Approaches & Modeling in Environmental Sciences	30	70	100	T	4	40%
28	Elective (DSE)	EVS614	Disaster Management	30	70	100	T	4	40%
29	Elective (DSE)	EVS615	Medicinal Plants and their Applications	30	70	100	T	4	40%
2 Years- 4 Semester PG Degree in EVS (88 credits) after Three Year UG Degree									

V153: M.Sc. (Physics){2023 Pattern}

SN	Course Category	Code	Course Name	CA	EE	TM	Type	CR	Min %
[Level 6.0] Semester 01: 22 Credits									
01	Mandatory(DSC)	PHY501	Classical Mechanics	30	70	100	T	4	40%
02	Mandatory(DSC)	PHY502	Electronic Devices	30	70	100	T	4	40%
03	Mandatory(DSC)	PHY503	Mathematical Methods in Physics	15	35	50	T	2	40%
04	Mandatory(DSC)	PHY504	Physics I – Practical	50	50	100	P	4	40%
05	RM	RES505	Research Methodology	30	70	100	T	4	40%
Elective (DSE)Courses (Select Any One)									
06	Elective (DSE)	PHY506	Experimental Techniques in Physics	30	70	100	T	4	40%
07	Elective (DSE)	PHY507	Physics of LASERs	30	70	100	T	4	40%
[Level 6.0] Semester 02 : 22 Credits									
08	Mandatory(DSC)	PHY509	Atomic and Molecular Physics	30	70	100	T	4	40%
09	Mandatory(DSC)	PHY510	Electrodynamics	30	70	100	T	4	40%
10	Mandatory(DSC)	PHY511	Quantum Mechanics-I	15	35	50	T	2	40%
11	Mandatory(DSC)	PHY512	Physics II – Practical (Computational Methods using 'C' program)	50	50	100	P	4	40%

12	OJT/FP	PHY513 PHY514	Any one OJT or FP OJT FP	50	50	100	TW	4	40%
Elective (DSE) Courses (Select Any One)									
13	Elective (DSE)	PHY515	Fundamentals of Materials Science	30	70	100	T	4	40%
14	Elective (DSE)	PHY516	Medical Physics	30	70	100	T	4	40%
Exit option: PG Diploma in Physics (Level 6.0) after Three Year UG Degree									
[Level 6.5] Semester 03 : 22 Credits									
15	Mandatory(DSC)	PHY601	Statistical Mechanics	30	70	100	T	4	40%
16	Mandatory(DSC)	PHY602	Condensed Matter Physics	30	70	100	T	4	40%
17	Mandatory(DSC)	PHY603	Quantum Mechanics - II	15	35	50	T	2	40%
18	Mandatory(DSC)	PHY604	Physics III - Practical	50	50	100	P	4	40%
19	RP	PHY605	Research Project	50	50	100	PW	4	40%
Elective (DSE) Courses (Select Any One)									
20	Elective (DSE)	PHY606	Physics of Thin Film	30	70	100	T	4	40%
21	Elective (DSE)	PHY607	Astronomy and Astrophysics	30	70	100	T	4	40%
22	Elective (DSE)	PHY608	Energy Studies	30	70	100	T	4	40%
[Level 6.5] Semester 04 : 22 Credits									
23	Mandatory(DSC)	PHY609	Nuclear and Particle Physics	30	70	100	T	4	40%
24	Mandatory(DSC)	PHY610	Electronic Instrumentation	30	70	100	T	4	40%
25	Mandatory(DSC)	PHY611	Physics IV – Practical	50	50	100	P	4	40%
26	RP	PHY612	Research Project	75	75	150	PW	6	40%
Elective (DSE) Courses (Select Any One)									
27	Elective (DSE)	PHY613	Physics of Nano Materials	30	70	100	T	4	40%
28	Elective (DSE)	PHY614	General Relativity & Cosmology	30	70	100	T	4	40%
29	Elective (DSE)	PHY615	Energy from Waste	30	70	100	T	4	40%
2 Years- 4 Semester PG Degree in Physics (88 credits) after Three Year UG Degree									

V154: M.Sc. (Chemistry){2023 Pattern}

SN	Course Category	Code	Course Name	CA	EE	TM	Type	CR	Min %
[Level 6.0] Semester 01: 22 Credits									
01	Mandatory(DSC)	CHE501	Inorganic Chemistry-I	30	70	100	T	4	40%
02	Mandatory(DSC)	CHE502	Physical Chemistry-I	30	70	100	T	4	40%
03	Mandatory(DSC)	CHE503	Organic Chemistry-I	15	35	50	T	2	40%
04	Mandatory(DSC)	CHE504	Lab Activities on CHE501, CHE502 & CHE503	50	50	100	P	4	40%

05	RM	RES505	Research Methodology	30	70	100	T	4	40%
Elective (DSE) Courses (Select Any One)									
06	Elective (DSE)	CHE506	Physical Methods in Chemistry	30	70	100	T	4	40%
07	Elective (DSE)	CHE507	Polymer Chemistry	30	70	100	T	4	40%
[Level 6.0] Semester 02 : 22 Credits									
08	Mandatory(DSC)	CHE509	Inorganic Chemistry-II	30	70	100	T	4	40%
09	Mandatory(DSC)	CHE510	Physical Chemistry-II	30	70	100	T	4	40%
10	Mandatory(DSC)	CHE511	Organic Chemistry-II	15	35	50	T	2	40%
11	Mandatory(DSC)	CHE512	Lab Activities on CHE509, CHE510 & CHE511	50	50	100	P	4	40%
12	OJT/FP	CHE513 CHE514	Any one OJT or FP OJT FP	50	50	100	TW	4	40%
Elective (DSE) Courses (Select Any One)									
13	Elective (DSE)	CHE515	Analytical Chemistry	30	70	100	T	4	40%
14	Elective (DSE)	CHE516	Chemical Mathematics & Biostatistics	30	70	100	T	4	40%
Exit option: PG Diploma in Chemistry (Level 6.0) after Three Year UG Degree									
[Level 6.5] Semester 03 : 22 Credits									
15	Mandatory(DSC)	CHE601	Organic Reaction Mechanism	30	70	100	T	4	40%
16	Mandatory(DSC)	CHE602	Stereochemistry	30	70	100	T	4	40%
17	Mandatory(DSC)	CHE603	Advanced Synthetic Methods	15	35	50	T	2	40%
18	Mandatory(DSC)	CHE604	Lab Activities on CHE601, CHE602 & CHE603	50	50	100	P	4	40%
19	RP	CHE605	Research Project	50	50	100	PW	4	40%
Elective (DSE) Courses (Select Any One)									
20	Elective (DSE)	CHE606	Green Chemistry	30	70	100	T	4	40%
21	Elective (DSE)	CHE607	Drugs & Heterocyclic	30	70	100	T	4	40%
22	Elective (DSE)	CHE608	Biotechnology	30	70	100	T	4	40%
[Level 6.5] Semester 04 : 22 Credits									
23	Mandatory(DSC)	CHE609	Advanced Organic Chemistry	30	70	100	T	4	40%
24	Mandatory(DSC)	CHE610	Advanced Organic Spectroscopy	30	70	100	T	4	40%
25	Mandatory(DSC)	CHE611	Lab Activities on CHE609 & CHE610	50	50	100	P	4	40%
26	RP	CHE612	Research Project	75	75	150	PW	6	40%
Elective (DSE) Courses (Select Any One)									
27	Elective (DSE)	CHE613	Natural Products	30	70	100	T	4	40%
28	Elective (DSE)	CHE614	Industrial Organic Chemistry	30	70	100	T	4	40%

29	Elective (DSE)	CHE615	Pharmaceutical Chemistry	30	70	100	T	4	40%
2 Years- 4 Semester PG Degree in Chemistry (88 credits) after Three Year UG Degree									

V155: M.Sc. (Zoology){2023 Pattern}

SN	Course Category	Code	Course Name	CA	EE	TM	Type	CR	Min %
[Level 6.0] Semester 01: 22 Credits									
01	Mandatory(DSC)	ZOO501	Biochemistry	30	70	100	T	4	40%
02	Mandatory(DSC)	ZOO502	Cell Biology	30	70	100	T	4	40%
03	Mandatory(DSC)	ZOO503	Applied Zoology Part-I	15	35	50	T	2	40%
04	Mandatory(DSC)	ZOO504	Lab on Biochemistry, Cell Biology & Applied Zoology Part-I	50	50	100	P	4	40%
05	RM	RES505	Research Methodology	30	70	100	T	4	40%
Elective (DSE)Courses (Select Any One)									
06	Elective (DSE)	ZOO506	Developmental Biology	30	70	100	T	4	40%
07	Elective (DSE)	ZOO507	Entomology	30	70	100	T	4	40%
[Level 6.0] Semester 02 : 22 Credits									
08	Mandatory(DSC)	ZOO509	Molecular Biology	30	70	100	T	4	40%
09	Mandatory(DSC)	ZOO510	Genetics	30	70	100	T	4	40%
10	Mandatory(DSC)	ZOO511	Applied Zoology Part-II	15	35	50	T	2	40%
11	Mandatory(DSC)	ZOO512	Lab on Molecular Biology, Genetics & Applied Zoology Part-II	50	50	100	P	4	40%
12	OJT/FP	ZOO513 ZOO514	Any one OJT or FP OJT FP	50	50	100	TW	4	40%
Elective (DSE)Courses (Select Any One)									
13	Elective (DSE)	ZOO515	Animal Biotechnology	30	70	100	T	4	40%
14	Elective (DSE)	ZOO516	Toxicology	30	70	100	T	4	40%
Exit option: PG Diploma in Zoology (Level 6.0) after Three Year UG Degree									
[Level 6.5] Semester 03 : 22 Credits									
15	Mandatory(DSC)	ZOO601	Immunology	30	70	100	T	4	40%
16	Mandatory(DSC)	ZOO602	Endocrinology	30	70	100	T	4	40%
17	Mandatory(DSC)	ZOO603	Biodiversity & Conservation	15	35	50	T	2	40%
18	Mandatory(DSC)	ZOO604	Lab on Immunology, Endocrinology and Biodiversity & Conservation	50	50	100	P	4	40%
19	RP	ZOO605	Research Project	50	50	100	PW	4	40%
Elective (DSE) Courses (Select Any One)									
20	Elective (DSE)	ZOO606	Reproductive Physiology	30	70	100	T	4	40%
21	Elective (DSE)	ZOO607	Vermiculture	30	70	100	T	4	40%
22	Elective (DSE)	ZOO608	Animal Behavior	30	70	100	T	4	40%

[Level 6.5] Semester 04 : 22 Credits									
23	Mandatory(DSC)	ZOO609	Animal Physiology	30	70	100	T	4	40%
24	Mandatory(DSC)	ZOO610	Ichthyology	30	70	100	T	4	40%
25	Mandatory(DSC)	ZOO611	Lab on Animal physiology & Ichthyology	50	50	100	P	4	40%
26	RP	ZOO612	Research Project	75	75	150	PW	6	40%
Elective (DSE) Courses (Select Any One)									
27	Elective (DSE)	ZOO613	Comparative Animal Physiology	30	70	100	T	4	40%
28	Elective (DSE)	ZOO614	Aquaculture	30	70	100	T	4	40%
29	Elective (DSE)	ZOO615	Parasitology	30	70	100	T	4	40%
2 Years- 4 Semester PG Degree in Zoology (88 credits) after Three Year UG Degree									

V156: M.Sc. (Botany){2023 Pattern}

SN	Course Category	Code	Course Name	CA	EE	TM	Type	CR	Min %
[Level 6.0] Semester 01 : 22 Credits									
01	Mandatory(DSC)	BOT501	Diversity of Non-Vascular Plants-I	30	70	100	T	4	40%
02	Mandatory(DSC)	BOT502	Diversity of Non-Vascular Plants-II	30	70	100	T	4	40%
03	Mandatory(DSC)	BOT503	Diversity of Vascular Plants & Paleobotany-I	15	35	50	T	2	40%
04	Mandatory(DSC)	BOT504	Lab Activities on BOT501, BOT502 & BOT503	50	50	100	P	4	40%
05	RM	RES505	Research Methodology	30	70	100	T	4	40%
Elective (DSE) Courses (Select Any One)									
06	Elective (DSE)	BOT506	Applied Phycology	30	70	100	T	4	40%
07	Elective (DSE)	BOT507	Tools and Techniques in Plant Science	30	70	100	T	4	40%
[Level 6.0] Semester 02 : 22 Credits									
08	Mandatory(DSC)	BOT509	Plant Physiology	30	70	100	T	4	40%
09	Mandatory(DSC)	BOT510	Herbal Wealth	30	70	100	T	4	40%
10	Mandatory(DSC)	BOT511	Diversity of Vascular Plants and Paleobotany-II	15	35	50	T	2	40%
11	Mandatory(DSC)	BOT512	Lab Activities on BOT509, BOT510 & BOT511	50	50	100	P	4	40%
12	OJT/FP	BOT513 BOT514	Any one OJT or FP OJT FP	50	50	100	TW	4	40%
Elective (DSE) Courses (Select Any One)									
13	Elective (DSE)	BOT515	Biotechnology and Molecular Biology	30	70	100	T	4	40%
14	Elective (DSE)	BOT516	Ecology and Phytogeography	30	70	100	T	4	40%
Exit option: PG Diploma in Botany (Level 6.0) after Three Year UG Degree									

[Level 6.5] Semester 03 : 22Credits									
15	Mandatory(DSC)	BOT601	Cytogenetics and Plant Breeding	30	70	100	T	4	40%
16	Mandatory(DSC)	BOT602	Advanced Plant Physiology	30	70	100	T	4	40%
17	Mandatory(DSC)	BOT603	Pharmacognosy	15	35	50	T	2	40%
18	Mandatory(DSC)	BOT604	Lab Activities on BOT601, BOT602 & BOT603	50	50	100	P	4	40%
19	RP	BOT605	Research Project	50	50	100	PW	4	40%
Elective (DSE) Courses (Select Any One)									
20	Elective (DSE)	BOT606	Biostatistics	30	70	100	T	4	40%
21	Elective (DSE)	BOT607	Mycology and Plant Pathology	30	70	100	T	4	40%
22	Elective (DSE)	BOT608	Renewable Energy Studies	30	70	100	T	4	40%
[Level 6.5] Semester 04 : 22 Credits									
23	Mandatory(DSC)	BOT609	Taxonomy of Angiosperms	30	70	100	T	4	40%
24	Mandatory(DSC)	BOT610	Seed Technology	30	70	100	T	4	40%
25	Mandatory(DSC)	BOT611	Lab Activities on BOT609 & BOT610	50	50	100	P	4	40%
26	RP	BOT612	Research Project	75	75	150	PW	6	40%
Elective (DSE) Courses (Select Any One)									
27	Elective (DSE)	BOT613	Anatomy and Embryology	30	70	100	T	4	40%
28	Elective (DSE)	BOT614	Hydroponic Technology	30	70	100	T	4	40%
29	Elective (DSE)	BOT615	Medicinal Plants and their Applications	30	70	100	T	4	40%
2 Years- 4 Semester PG Degree in Botany (88 credits) after Three Year UG Degree									

New Postgraduate Programme as per NEP from Academic Year 2025-26:

(Subject to the UGC-DEB Programme approval)

V157: M.Sc. (Mathematics with Computer Applications) {2025 Pattern}

SN	Course Category	Code	Course Name	CA	EE	TM	Type	CR	Min %
[Level 6.0] Semester 01: 22 Credits									
01	Mandatory (DSC)	MAT501	Real Analysis	30	70	100	T	4	40%
02	Mandatory (DSC)	MAT502	Abstract Algebra	30	70	100	T	4	40%
03	Mandatory (DSC)	MAT503	Ordinary Differential Equations	15	35	50	T	2	40%
04	Mandatory (DSC)	MAT611	Programming in Python	50	50	100	P	4	40%
05	RM	RES505	Research Methodology	30	70	100	T	4	40%
Elective (DSE)Courses (Select Any One)									
06	Elective (DSE)	MAT506	Operations Research	30	70	100	T	4	40%
07	Elective (DSE)	MAT515	Number Theory	30	70	100	T	4	40%
08	Elective (DSE)	MAT508	Introduction to Probability and Statistics	30	70	100	T	4	40%
[Level 6.0] Semester 02: 22 Credits									
09	Mandatory (DSC)	MAT509	Topology	30	70	100	T	4	40%
10	Mandatory (DSC)	MAT510	Linear Algebra	30	70	100	T	4	40%
11	Mandatory (DSC)	MAT511	Partial Differential Equations	15	35	50	T	2	40%
12	Mandatory (DSC)	MAT512	LaTex and Programming in SageMath	50	50	100	P	4	40%
13	OJT/FP	MAT513 MAT514	Any one OJT or FP OJT FP	50	50	100	TW	4	40%
Elective (DSE)Courses (Select Any One)									
14	Elective (DSE)	MAT507	Numerical Analysis	30	70	100	T	4	40%
15	Elective (DSE)	MAT518	Field and Coding Theory	30	70	100	T	4	40%
16	Elective (DSE)	MAT519	Statistical Inference	30	70	100	T	4	40%
Exit option: PG Diploma in Mathematics with Computer Applications (Level 6.0) after Three Year UG Degree									
[Level 6.5] Semester 03: 22 Credits									
16	Mandatory (DSC)	MAT601	Complex Analysis	30	70	100	T	4	40%
17	Mandatory (DSC)	MAT616	Machine Learning (ML)	30	70	100	T	4	40%
18	Mandatory (DSC)	MAT617	Introduction to Artificial Intelligence (AI)	15	35	50	T	2	40%
19	Mandatory (DSC)	MAT618	Practical on AI & ML	50	50	100	P	4	40%
20	RP	MAT605	Research Project	50	50	100	PW	4	40%
Elective (DSE)Courses (Select Any One)									
21	Elective (DSE)	MAT619	Design and Analysis of Algorithm	30	70	100	T	4	40%
22	Elective (DSE)	MAT620	Foundation of Quantum Computing	30	70	100	T	4	40%

SN	Course Category	Code	Course Name	CA	EE	TM	Type	CR	Min %
23	Elective (DSE)	MAT621	Time Series Analysis	30	70	100	T	4	40%
[Level 6.5] Semester 04: 22 Credits									
24	Mandatory (DSC)	MAT606	Discrete Mathematics	30	70	100	T	4	40%
25	Mandatory (DSC)	MAT622	Introduction to Data Science	30	70	100	T	4	40%
26	Mandatory (DSC)	MAT623	SQL for Data Science	50	50	100	P	4	40%
27	RP	MAT612	Research Project	75	75	150	PW	6	40%
Elective (DSE)Courses (Select Any One)									
28	Elective (DSE)	MAT613	Cryptography	30	70	100	T	4	40%
29	Elective (DSE)	MAT624	Quantum Computing Algorithm	30	70	100	T	4	40%
30	Elective (DSE)	MAT625	Theory of Computations	30	70	100	T	4	40%

SCIENCE PROGRAMMES [FROM 2025 PATTERN ONWARDS]

Implementation of National Education Policy 2020 (NEP 2020) for UG programme

New Undergraduate Programmes as per NEP from Academic Year 2025-26:

The National Education Policy 2020 (NEP 2020) will be implemented by Yashwantrao Chavan Maharashtra Open University with effect from the academic year 2025-2026 for all existing undergraduate programmes as stated in the **Government resolution: शासन निर्णय क्रमांक : एनईपी–2022/प्र.क्र.09/विशि-3 शिकाना, dated 20 April, 2023**. This implementation is in accordance with **NEP 2020's directing principles**.

The Undergraduate programme of this school consists of 4 year Honours degree programme:

- Undergraduate **Honours degree** programme: 4 year duration divided into 8 semesters. Each semester is of 22 credits, resulting in a total of 176 credits for the award of Honours degree.

The undergraduate **B.Sc. (Honours) programme** is offered in alignment with the **National Education Policy** (NEP 2020) as per the directives of Maharashtra government. The programme emphasizes the **design, development, and delivery of a multidisciplinary, holistic, and integrated curriculum.**

The **B.Sc. (Honours)** programme provides **essential knowledge** across:

- **Major discipline courses**
- **Minor courses** (selected from disciplines other than the major)
- **Open elective courses** (chosen from other faculties)

The curriculum features a **carefully balanced mix of theory and practical** components to prepare students for:

- **Specialist professional roles**
- **Research and academic careers**
- **Employment in diverse industries**

The curriculum is **learner-centric** and outcome-based, emphasizing both **knowledge and skill development** through:

- **VSC** (Vocational Skill Courses)
- **SEC** (Skill Enhancement Courses)
- **AEC** (Ability Enhancement Courses)
- **VEC** (Value Education Courses)
- **IKS** (Indian Knowledge System)
- Co-Curricular Courses **(CC),** Community Engagement Programs **(CEP),** Field Projects **(FP),** On Job Training **(OJT)** and more.

[**Note**: The learners are advised to check website regularly for the guidelines and related updation/modification if any].

These Undergraduate (UG) degree programmes are available in 4 year durations and provide **Multiple entry and exit points** with options for re-entry, accompanied by appropriate certifications:

- **UG Certificate**: Awarded after completing 1 year (2 semesters), with 44 credits and an additional 4 credits core NSQF course/ Internship
- **UG Diploma**: Awarded after completing 2 years (4 semesters), with 88 credits and an additional 4 credits core NSQF course/ Internship
- **3-Year Bachelor's Degree**: Awarded upon completing a 3-year (6 semesters), with 132 credits of the programme.

- **4-Year Bachelor's Degree (Honours):** Awarded upon completing a 4-year (8 semesters), with 176 credits of the programme.

PROGRAMME STRUCTURE (AS PER NEP 2020)

The following Programme Structure is applicable for

4 Year - 8 Semesters B.Sc. (Honours) Degree (176 Credits) after 12th / (10+2)th / Level 4.0 examination

Abbreviations of the courses

Mandatory DSC	Discipline Specific Core Course	**Elective DSE**	Discipline Specific Elective Course
OE	Generic / Open Elective	**VSC**	Vocational Skill Courses
SEC	Skill Enhancement Courses	**AEC**	Ability Enhancement Courses
VEC	Value Education Courses	**IKS**	Indian Knowledge System
OJT	On Job Training	**FP**	Field Project
CEP	Community Engagement & Service	**CC**	Co-curricular Courses: List is given as Health and Wellness / Cultural Activities Yoga education / NSS Sports and fitness / Fine/Applied/Visual/ Performing Arts
RP	Research Project	**RM**	Research Methodology
TW	Term Work	**IPR**	Intellectual Property Rights

UGV06: B.SC. (HONOURS) (ENVIRONMENTAL SCIENCE) {2025 PATTERN}

(Subject to the UGC-DEB Programme approval)

SN	Course	Code	Name	CA	EE	TM	Type	CR	Min%
[Level 4.5] Semester I : 22 Credits									
01	DSC	EVSC101	Ecology and Ecosystem	30	70	100	T	4	40%
02	DSC	EVSC102	Lab Activities on EVSC101	25	25	50	P	2	40%
03	OE	XXXE101	Select from other faculty OE courses List***	15	35	50	T	2	40%
04	OE	XXXE102	Select from other faculty OE courses List***	15	35	50	T	2	40%
05	VSC	EVSV101	Environmental Microbiology	25	25	50	TW	2	40%
06	SEC	SECS101	Basic Instrumentation Skills	25	25	50	TW	2	40%
07	AEC	AECL101	Functional English - I	15	35	50	T	2	40%
08	VEC	VECD101	Introduction to Indian Constitution	15	35	50	T	2	40%
09	IKS	IKSK104	Generic IKS	15	35	50	T	2	40%
10	CC	CCRX101	Select from List	50	-	50	TW	2	40%
[Level 4.5] Semester II : 22 Credits									
11	DSC	EVSC103	Environmental Chemistry & Physics	30	70	100	T	4	40%
12	DSC	EVSC104	Lab Activities on EVSC103	25	25	50	P	2	40%
13	Minor	XXXM101	To be Selected from Minor Courses List **other than Major (DSC)****	15	35	50	T	2	40%

14	OE	XXXE103	Select from other faculty OE courses List***	15	35	50	T	2	40%
15	OE	XXXE104	Select from other faculty OE courses List***	15	35	50	T	2	40%
16	VSC	EVSV102	Basics of Environmental Audit	25	25	50	TW	2	40%
17	SEC	SECS102	MS Excel with AI	25	25	50	TW	2	40%
18	AEC	AECL102	Functional English - II	15	35	50	T	2	40%
19	VEC	VECD102	Environmental Education	15	35	50	T	2	40%
20	CC	CCRX102	Select from List	50	-	50	TW	2	40%
Exit option: Award of UG Certificate in the Faculty of Science - ENVIRONMENTAL SCIENCE (Level 4.5) with 44 credits and an additional 4 credits core NSQF course/Internship OR Continue with Major and Minor									
[Level 5.0] Semester III : 22 Credits									
21	DSC	EVSC201	Biodiversity Conservation	30	70	100	T	4	40%
22	DSC (IKS)	EVSC202	Environment: Indian Culture & Traditions	15	35	50	T	2	40%
23	DSC	EVSC203	Lab Activities on EVSC201	25	25	50	P	2	40%
24	Minor	XXXM201	To be Selected from Minor Courses List **other than Major (DSC)** **	15	35	50	T	2	40%
25	Minor	XXXM202	To be Selected from Minor Courses List **other than Major (DSC)** **	25	25	50	P	2	40%
26	OE	XXXE201	Select from other faculty OE courses List***	15	35	50	T	2	40%
27	VSC	EVSV201	Soil Health Management	25	25	50	P	2	40%
28	AEC	AECL201	मराठी भाषा कौशल्ये - I	15	35	50	T	2	40%
29	FP	EVSF204	Field Project	25	25	50	TW	2	40%
30	CC	CCRX201	Select from List	50	-	50	TW	2	40%
[Level 5.0] Semester IV : 22 Credits									
31	DSC	EVSC205	Pollution Control Technologies	30	70	100	T	4	40%
32	DSC	EVSC206	Natural Resource Management	15	35	50	T	2	40%
33	DSC	EVSC207	Lab Activities on EVSC205	25	25	50	P	2	40%
34	Minor	XXXM203	To be Selected from Minor Courses List **other than Major (DSC)** **	15	35	50	T	2	40%
35	Minor	XXXM204	To be Selected from Minor Courses List **other than Major (DSC)** **	25	25	50	P	2	40%
36	OE	XXXE202	Select from other faculty OE courses List***	15	35	50	T	2	40%
37	SEC	SECS201	Intellectual Property Rights	15	35	50	T	2	40%
38	AEC	AECL202	मराठी भाषा कौशल्ये - II	15	35	50	T	2	40%
39	CEP	EVSG208 (CEPG201)	Select from List	25	25	50	TW	2	40%
40	CC	CCRX202	Select from List	50	-	50	TW	2	40%

Exit option: Award of UG Diploma in the Faculty of Science - Environmental Science (Level 5.0) with 88 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor									
[Level 5.5] Semester V : 22 Credits									
41	DSC	EVSC301	Environment Legislation & Audit	30	70	100	T	4	40%
42	DSC	EVSC302	Environment Impact Assessment	15	35	50	T	2	40%
43	DSC	EVSC303	Lab Activities on EVSC301, EVSC302 & Electives	50	50	100	P	4	40%
Select Any One from EVSC304, EVSC305, EVSC306									
44	DSE	EVSC304	Environmental Geosciences	30	70	100	T	4	40%
	DSE	EVSC305	Alternate Energy Resources	30	70	100	T	4	40%
	DSE	EVSC306	Urban Ecosystem & Sustainable Development	30	70	100	T	4	40%
45	Minor	XXXM301	To be Selected from Minor Courses List **other than Major (DSC)** **	15	35	50	T	2	40%
46	Minor	XXXM302	To be Selected from Minor Courses List **other than Major (DSC)** **	25	25	50	P	2	40%
47	VSC	EVSV301	Basics of EMS	25	25	50	P	2	40%
Select EVSF307 or EVSG308									
48	FP	EVSF307	Field Project	25	25	50	TW	2	40%
	CEP	EVSG308 (CEPG301)	Awareness of Sustainable Development Goals	25	25	50	TW	2	40%
[Level 5.5] Semester VI : 22 Credits									
49	DSC	EVSC309	Remote Sensing & GIS	30	70	100	T	4	40%
50	DSC	EVSC310	Environmental Biotechnology	15	35	50	T	2	40%
51	DSC	EVSC311	Lab Activities on EVSC309, EVSC310 & Electives	50	50	100	P	4	40%
Select Any One from EVSC312, EVSC313, EVSC314									
52	DSE	EVSC312	Atmospheric Sciences	30	70	100	T	4	40%
	DSE	EVSC313	Environmental Statistics	30	70	100	T	4	40%
	DSE	EVSC314	Environmental Health, Toxicology & Safety	30	70	100	T	4	40%
53	Minor	XXXM303	To be Selected from Minor Courses List **other than Major (DSC)** **	15	35	50	T	2	40%
54	Minor	XXXM304	To be Selected from Minor Courses List **other than Major (DSC)** **	25	25	50	P	2	40%
55	OJT	EVSO315	On Job Training	50	50	100	TW	4	40%
Exit option: Award of UG Degree in Environmental Science with 132 credits OR Continue with Major and Minor									
[Level 6.0] Semester VII : 22 Credits									
56	DSC	EVSC401	Environmental Science and Environmental Biology	30	70	100	T	4	40%
57	DSC	EVSC402	Natural Resources and Their Conservation	30	70	100	T	4	40%

58	DSC	EVSC403	Biodiversity and Conservation	15	35	50	T	2	40%
59	DSC	EVSC404	Lab Activities on EVSC401, EVSC402 & EVSC403	50	50	100	P	4	40%
60	RM	RESR405	Research Methodology	30	70	100	T	4	40%
Select Any One from EVSC406, EVSC407									
61	DSE	EVSC406	Environmental Education, Policies & Legislation	30	70	100	T	4	40%
	DSE	EVSC407	Management of Water Resources	30	70	100	T	4	40%
[Level 6.0] Semester VIII : 22 Credits									
62	DSC	EVSC409	Environmental Chemistry	30	70	100	T	4	40%
63	DSC	EVSC410	Environmental Geosciences & Computer Applications	30	70	100	T	4	40%
64	DSC	EVSC411	Herbal Wealth	15	35	50	T	2	40%
65	DSC	EVSC412	Lab Activities on EVSC409, EVSC410 & EVSC411	50	50	100	P	4	40%
66	OJT	EVSO413	On Job Training	50	50	100	TW	4	40%
Select Any One from EVSC415, EVSC416									
67	DSE	EVSC415	Environmental Sustainability	30	70	100	T	4	40%
	DSE	EVSC416	Solid & Hazardous Waste Management	30	70	100	T	4	40%
Four Year UG Honours Degree in Environmental Science and XXX as Minor with 176 credits									

PROGRAMME STRUCTURE FOR MINOR COURSES OFFERED FROM SCHOOL OF SCIENCES

** Learners who have selected **major** shall choose minor courses from the following disciplines other than Major:

SN	**Major in:**	**Minor in (Anyone of the following other than Major):**
1	**Environmental Science**	Physics, Chemistry, Mathematics, Botany, Zoology

1. PROGRAMME STRUCTURE FOR MINOR COURSES OFFERED IN PHYSICS DISCIPLINE

For example, here Science is faculty and Physics is discipline. These minor courses may be selected by learners who have not selected Physics as Major

SN	Course	Code	Name	CA	EE	TM	Type	CR	Min%
Semester II									
01	Minor	PHYM101	Basics of Electricity & Magnetism	15	35	50	T	2	40%
Semester III									
02	Minor	PHYM201	Thermal Physics	15	35	50	T	2	40%
03	Minor	PHYM202	Lab Activities on PHYM201	25	25	50	P	2	40%
Semester IV									
04	Minor	PHYM203	Oscillations & Optics	15	35	50	T	2	40%
05	Minor	PHYM204	Lab Activities on PHYM203	25	25	50	P	2	40%
Semester V									
06	Minor	PHYM301	Computational Physics	15	35	50	T	2	40%
07	Minor	PHYM302	Lab Activities on PHYM301	25	25	50	P	2	40%
Semester VI									
08	Minor	PHYM303	Basics of Instrumentation	15	35	50	T	2	40%
09	Minor	PHYM304	Lab Activities on PHYM303	25	25	50	P	2	40%

2. PROGRAMME STRUCTURE FOR MINOR COURSES OFFERED IN CHEMISTRY DISCIPLINE

For example, here Science is faculty and Chemistry is discipline. These minor courses may be selected by learners who have not selected Chemistry as Major

SN	Course	Code	Name	CA	EE	TM	Type	CR	Min%
Semester II									
01	Minor	CHEM101	Introduction to Physical Chemistry-I	15	35	50	T	2	40%
Semester III									
02	Minor	CHEM201	Introduction to Organic Chemistry	15	35	50	T	2	40%
03	Minor	CHEM202	Lab Activities on CHEM201	25	25	50	P	2	40%
Semester IV									
04	Minor	CHEM203	Introduction to Inorganic Chemistry	15	35	50	T	2	40%
05	Minor	CHEM204	Lab Activities on CHEM203	25	25	50	P	2	40%
Semester V									
06	Minor	CHEM301	Introduction to Physical Chemistry-II	15	35	50	T	2	40%
07	Minor	CHEM302	Lab Activities on CHEM301	25	25	50	P	2	40%

Semester VI									
08	Minor	CHEM303	Introduction to Organic and Inorganic Chemistry	15	35	50	T	2	40%
09	Minor	CHEM304	Lab Activities on CHEM303	25	25	50	P	2	40%

3. Programme Structure for Minor Courses offered in Mathematics discipline

For example, here Science is faculty and Mathematics is discipline. These minor courses may be selected by learners who have not selected Mathematics as Major

SN	Course	Code	Name	CA	EE	TM	Type	CR	Min%
Semester II									
01	Minor	MATM101	Foundation of Mathematics	15	35	50	T	2	40%
Semester III									
02	Minor	MATM201	Fundamentals of Calculus	15	35	50	T	2	40%
03	Minor	MATM202	Practical Based on MATM201	25	25	50	P	2	40%
Semester IV									
04	Minor	MATM203	Applied Linear Algebra	15	35	50	T	2	40%
05	Minor	MATM204	Practical Based on MATM203	25	25	50	P	2	40%
Semester V									
06	Minor	MATM301	Introductory Differential Equations	15	35	50	T	2	40%
07	Minor	MATM302	Practical Based on MATM301	25	25	50	P	2	40%
Semester VI									
08	Minor	MATM303	Numerical Methods	15	35	50	T	2	40%
09	Minor	MATM304	Practical Based on MATM303	25	25	50	P	2	40%

4. Programme Structure for Minor Courses offered in Botany discipline

For example, here Science is faculty and Botany is discipline. These minor courses may be selected by learners who have not selected Botany as Major

SN	Course	Code	Name	CA	EE	TM	Type	CR	Min%
Semester II									
01	Minor	BOTM101	Plant Diversity	15	35	50	T	2	40%
Semester III									
02	Minor	BOTM201	Morphology and Anatomy of Flowering Plants	15	35	50	T	2	40%
03	Minor	BOTM202	Lab Activities on BOTM201	25	25	50	P	2	40%
Semester IV									
04	Minor	BOTM203	Plant Physiology	15	35	50	T	2	40%
05	Minor	BOTM204	Lab Activities on BOTM203	25	25	50	P	2	40%
Semester V									
06	Minor	BOTM301	Introduction to Cytology	15	35	50	T	2	40%
07	Minor	BOTM302	Lab Activities on BOTM301	25	25	50	P	2	40%
Semester VI									
08	Minor	BOTM303	Plant Genetics and Variation	15	35	50	T	2	40%

09	Minor	BOTM304	Lab Activities on BOTM303	25	25	50	P	2	40%

5. Programme Structure for Minor Courses offered in Zoology discipline

For example, here Science is faculty and Zoology is discipline. These minor courses may be selected by learners who have not selected Zoology as Major

SN	Course	Code	Name	CA	EE	TM	Type	CR	Min%
Semester II									
01	Minor	ZOOM101	Animal Diversity of Invertebrates	15	35	50	T	2	40%
Semester III									
02	Minor	ZOOM201	Principle of Ecology	15	35	50	T	2	40%
03	Minor	ZOOM202	Lab Activities on ZOOM201	25	25	50	P	2	40%
Semester IV									
04	Minor	ZOOM203	Fundamentals of Cell Biology	15	35	50	T	2	40%
05	Minor	ZOOM204	Lab Activities on ZOOM203	25	25	50	P	2	40%
Semester V									
06	Minor	ZOOM301	Introduction to Aquatic Biology	15	35	50	T	2	40%
07	Minor	ZOOM302	Lab Activities on ZOOM301	25	25	50	P	2	40%
Semester VI									
08	Minor	ZOOM303	General Parasitology	15	35	50	T	2	40%
09	Minor	ZOOM304	Lab Activities on ZOOM303	25	25	50	P	2	40%

6. Programme Structure for Minor Courses offered in Environmental Science discipline

For example, here Science is faculty and Environmental Science is discipline. These minor courses may be selected by learners who have not selected Environmental Science as Major

SN	Course	Code	Name	CA	EE	TM	Type	CR	Min%
Semester II									
01	Minor	EVSM101	Fundamentals of Environment	15	35	50	T	2	40%
Semester III									
02	Minor	EVSM201	Wildlife Biology	15	35	50	T	2	40%
03	Minor	EVSM202	Lab Activities on EVSM201	25	25	50	P	2	40%
Semester IV									
04	Minor	EVSM203	Water & Noise Quality	15	35	50	T	2	40%
05	Minor	EVSM204	Lab Activities on EVSM203	25	25	50	P	2	40%
Semester V									
06	Minor	EVSM301	Air & Soil Quality	15	35	50	T	2	40%
07	Minor	EVSM302	Lab Activities on EVSM301	25	25	50	P	2	40%
Semester VI									
08	Minor	EVSM303	Environmental Governance	15	35	50	T	2	40%
09	Minor	EVSM304	Lab Activities on EVSM303	25	25	50	P	2	40%

ANNEXURE – I: OPEN ELECTIVE (OE) COURSES FOR SCHOOL OF SCIENCES FROM OTHER FACULTY

*** List of Open Elective Courses from **other faculty** will be available on 'Online Admission Portal'. For updated list browse **here**.

PROGRAMME STRUCTURE FOR OPEN ELECTIVE (OE) COURSES FROM SCHOOL OF SCIENCES FOR OTHER FACULTY

1. OPEN ELECTIVE (OE) COURSES IN PHYSICS OFFERED FOR OTHER FACULTY:

SN	Course	Code	Name	CA	EE	TM	Type	CR	Min%
Semester I									
01	OE	PHYE101	Physics of Daily Life	15	35	50	T	2	40%
02	OE	PHYE102	Materials in Daily Life	15	35	50	T	2	40%
Semester II									
03	OE	PHYE103	Renewable Energy for Daily life	15	35	50	T	2	40%
04	OE	PHYE104	Energy Audit	15	35	50	T	2	40%
Semester III									
05	OE	PHYE201	Physics of Sound & Music	15	35	50	T	2	40%
Semester IV									
06	OE	PHYE202	Physics in Sports	15	35	50	T	2	40%

2. OPEN ELECTIVE (OE) COURSES IN CHEMISTRY OFFERED FOR OTHER FACULTY:

SN	Course	Code	Name	CA	EE	TM	Type	CR	Min%
Semester I									
01	OE	CHEE101	Chemistry in Everyday Life	15	35	50	T	2	40%
02	OE	CHEE102	Industrial Safety Management	15	35	50	T	2	40%
Semester II									
03	OE	CHEE103	Pesticides Chemistry	15	35	50	T	2	40%
04	OE	CHEE104	Food Safety Adulteration & Detection	15	35	50	T	2	40%
Semester III									
05	OE	CHEE201	Fuel Chemistry	15	35	50	T	2	40%
Semester IV									
06	OE	CHEE202	Chemistry of Cosmetics	15	35	50	T	2	40%

3. OPEN ELECTIVE (OE) COURSES IN MATHEMATICS OFFERED FOR OTHER FACULTY:

SN	Course	Code	Name	CA	EE	TM	Type	CR	Min%
Semester I									
01	OE	MATE101	Mathematics for Competitive Exam- I	15	35	50	T	2	40%
02	OE	MATE102	Logical Reasoning and Data Interpretation	15	35	50	T	2	40%

Semester II									
03	OE	MATE103	Mathematics for Competitive Exam- II	15	35	50	T	2	40%
04	OE	MATE104	Statistics for Research	15	35	50	T	2	40%
Semester III									
05	OE	MATE201	Mathematics for Finance	15	35	50	T	2	40%
Semester IV									
06	OE	MATE202	Basics of Actuarial Science	15	35	50	T	2	40%

4. Open Elective (OE) Courses in Botany offered for other Faculty:

SN	Course	Code	Name	CA	EE	TM	Type	CR	Min%
Semester I									
01	OE	BOTE101	Biofertilizers	15	35	50	T	2	40%
02	OE	BOTE102	Mushroom Culture Technology	15	35	50	T	2	40%
Semester II									
03	OE	BOTE103	Nursery and Gardening	15	35	50	T	2	40%
04	OE	BOTE104	Floriculture	15	35	50	T	2	40%
Semester III									
05	OE	BOTE201	Herbal Drug Technology	15	35	50	T	2	40%
Semester IV									
06	OE	BOTE202	Sustainable Agriculture	15	35	50	T	2	40%

5. Open Elective (OE) Courses in Zoology offered for other Faculty:

SN	Course	Code	Name	CA	EE	TM	Type	CR	Min%
Semester I									
01	OE	ZOOE101	Vermicomposting Management	15	35	50	T	2	40%
02	OE	ZOOE102	Sericulture Management	15	35	50	T	2	40%
Semester II									
03	OE	ZOOE103	Poultry Management	15	35	50	T	2	40%
04	OE	ZOOE104	Goat Farming	15	35	50	T	2	40%
Semester III									
05	OE	ZOOE201	Dairy Production & Management	15	35	50	T	2	40%
Semester IV									
06	OE	ZOOE202	Nutrition, Health & Hygiene	15	35	50	T	2	40%

6. Open Elective (OE) Courses in Environmental Science offered for other Faculty:

SN	Course	Code	Name	CA	EE	TM	Type	CR	Min%
Semester I									
01	OE	EVSE101	Biodiversity of India	15	35	50	T	2	40%
02	OE	EVSE102	Futuristic Approach for Smart City	15	35	50	T	2	40%
Semester II									

03	OE	EVSE103	Environmental Economics	15	35	50	T	2	40%
04	OE	EVSE104	Ecotourism	15	35	50	T	2	40%
Semester III									
05	OE	EVSE201	Sustainable Development Goal & Society	15	35	50	T	2	40%
Semester IV									
06	OE	EVSE202	Environmental Law	15	35	50	T	2	40%

WITHDRAWN PROGRAMMES

SCIENCE PROGRAMMES

V135: DIPLOMA IN ENVIRONMENTAL SCIENCE {2021 PATTERN}

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester 01: 16 Credits								
01	EVS011	Environmental Science and Environmental Biology	20	80	100	T	4	40%
02	EVS012	Environmental Education, Polices and Legislation	20	80	100	T	4	40%
03	EVS013	Natural Resources and Their Conservation	20	80	100	T	4	40%
04	EVS014	Lab Activities on EVS011, EVS012, EVS013	20	80	100	P	4	40%
Semester 02: 16 Credits								
05	EVS021	Environmental Sustainability	20	80	100	T	4	40%
06	EVS022	Environmental Chemistry	20	80	100	T	4	40%
07	EVS023	Environmental Geosciences& Computer Applications	20	80	100	T	4	40%
08	EVS024	Lab Activities on EVS022, EVS023	20	80	100	P	4	40%

V130: M.SC. (MATHEMATICS) {2021 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Semester 01: 20 Credits								
01	S25011	Real Analysis	20	80	100	T	4	40%
02	S25012	Abstract Algebra	20	80	100	T	4	40%
03	S25013	Ordinary Differential Equations	20	80	100	T	4	40%
04	S25014	Topology	20	80	100	T	4	40%
05	S25015	Numerical Analysis	20	80	100	T	4	40%
Semester 02: 20 Credits								
06	S25021	Measure and Integration Theory	20	80	100	T	4	40%
07	S25022	Linear Algebra	20	80	100	T	4	40%
08	S25023	Partial Differential Equations	20	80	100	T	4	40%
09	S25024	Number Theory	20	80	100	T	4	40%
10	S25025	Integral Transforms	20	80	100	T	4	40%

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Semester 03: 20 Credits								
11	S25031	Complex Analysis	20	80	100	T	4	40%
12	S25032	Field Theory	20	80	100	T	4	40%
13	S25033	Integral Equations	20	80	100	T	4	40%
14	S25034	Discrete Mathematics	20	80	100	T	4	40%
15	S25035	Operations Research	20	80	100	T	4	40%
Semester 04: 20 Credits								
16	S25041	Differential Geometry	20	80	100	T	4	40%
17	S25042	Functional Analysis	20	80	100	T	4	40%
18	S25043	Classical Mechanics	20	80	100	T	4	40%
19	S25044	Cryptography	20	80	100	T	4	40%
20	S25045	Topics in Fuzzy Mathematics	20	80	100	T	4	40%

V136: M.Sc. (Environmental Science) {2021 Pattern}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Semester 01: 16 Credits								
01	EVS011	Environmental Science and Environmental Biology	20	80	100	T	4	40%
02	EVS012	Environmental Education, Polices and Legislation	20	80	100	T	4	40%
03	EVS013	Natural Resources and Their Conservation	20	80	100	T	4	40%
04	EVS014	Lab Activities on EVS011, EVS012, EVS013	20	80	100	P	4	40%
Semester 02: 16 Credits								
05	EVS021	Environmental Sustainability	20	80	100	T	4	40%
06	EVS022	Environmental Chemistry	20	80	100	T	4	40%
07	EVS023	Environmental Geosciences & Computer Applications	20	80	100	T	4	40%
08	EVS024	Lab Activities on EVS022, EVS023	20	80	100	P	4	40%
Semester 03: 16 Credits								
09	EVS031	Environmental Monitoring and Energy Studies	20	80	100	T	4	40%
10	EVS032	Instrumentation and Lab Techniques	20	80	100	T	4	40%
11	EVS033	Environmental Microbiology and Toxicology	20	80	100	T	4	40%
12	EVS034	Lab Activities on EVS031, EVS032, EVS033	20	80	100	P	4	40%
Semester 04: 16 Credits								
13	EVS 041	Sustainable Management of Biodiversity	20	80	100	T	4	40%
14	EVS042	Statistical Approaches and Modelling in Environmental Sciences	20	80	100	T	4	40%
15	EVS043	Environmental Issues and Human Health	20	80	100	T	4	40%
16	EVS044	Project-Work	20	80	100	PW	4	40%

V141: M.Sc. (Physics) {2022 Pattern}

SN	Course Type	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester I: 20 Credits									
01	Core	PHY111	Mathematical Methods in Physics	20	80	100	T	4	40%
02	Core	PHY112	Classical Mechanics	20	80	100	T	4	40%
03	Core	PHY113	Electronic Devices	20	80	100	T	4	40%
04	Applied	PHY114	Experimental Techniques in Physics	20	80	100	T	4	40%
05	Practical	PHY115	Physics I – Practical	10	40	50	P	2	40%
06	Practical	PHY116	Electronics Devices – Practical	10	40	50	P	2	40%
07	Audit	GEN203	Value Education	20	NA	NA	T	4	Completed
Semester II: 20 Credits									
08	Core	PHY121	Quantum Mechanics	20	80	100	T	4	40%
09	Core	PHY122	Atomic and Molecular Physics	20	80	100	T	4	40%
10	Core	PHY123	Electrodynamics	20	80	100	T	4	40%
11	Applied	PHY124	'C' Programming and Computational Methods	20	80	100	T	4	40%
12	Practical	PHY125	Physics II – Practical	10	40	50	P	2	40%
13	Practical	PHY126	'C' Programming – Practical	10	40	50	P	2	40%
14	Audit	GEN121	Cyber Security	20	NA	NA	T	4	Completed
Semester III: 20 Credits									
15	Core	PHY131	Statistical Mechanics	20	80	100	T	4	40%
16	Core	PHY132	Condensed Matter Physics	20	80	100	T	4	40%
17	Practical	PHY133	Physics III – Practical	10	40	50	P	2	40%
18	Applied	PHY134	Fundamentals of Materials Science	20	80	100	T	4	40%
Select Elective Group A: PHY135 & PHY136 or Group B: PHY137 & PHY138									
Elective Group A: PHY135 & PHY136									
19	Elective Theory & Practical	PHY135	Energy Studies	20	80	100	T	4	40%
20		PHY136	Energy Studies – Practical	10	40	50	P	2	40%
Elective Group B: PHY137 & PHY138									
21	Elective Theory & Practical	PHY137	Electronic Instrumentation	20	80	100	T	4	40%
22		PHY138	Electronic Instrumentation- Practical	10	40	50	P	2	40%
23	Audit	HRC002	Human Rights and the Indian Constitution	20	NA	NA	T	4	Completed
Semester IV: 20 Credits									
24	Core	PHY141	Nuclear and Particle Physics	20	80	100	T	4	40%

25	Core	RES505	Research Methodology	20	80	100	T	4	40%
26	Applied	PHY143	Physics of Thin Film	20	80	100	T	4	40%
Select Elective A: PHY144 or B: PHY145									
27	Elective Theory A or B	PHY144	Physics of Nano Materials	20	80	100	T	4	40%
28		PHY145	Physics of LASERs	20	80	100	T	4	40%
29	Project	PHY146	Project	20	80	100	PW	4	40%

V142: M.Sc. (Chemistry) {2022 Pattern}

SN	Course Type	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester I: 20 Credits									
01	Core	CHE111	Inorganic Chemistry-I	20	80	100	T	4	40%
02	Core	CHE112	Organic Chemistry-I	20	80	100	T	4	40%
03	Core	CHE113	Physical Chemistry-I	20	80	100	T	4	40%
04	Applied	CHE114	Physical Methods In Chemistry	20	80	100	T	4	40%
05	Practical	CHE115	Inorganic Chemistry – Practical	10	40	50	P	2	40%
06	Practical	CHE116	Organic Chemistry – Practical	10	40	50	P	2	40%
07	Audit	GEN203	Value Education	20	NA	NA	T	4	Completed
Semester II: 20 Credits									
08	Core	CHE121	Inorganic Chemistry-II	20	80	100	T	4	40%
09	Core	CHE122	Organic Chemistry-II	20	80	100	T	4	40%
10	Core	CHE123	Physical Chemistry-II	20	80	100	T	4	40%
11	Applied	CHE124	Analytical Chemistry	20	80	100	T	4	40%
12	Practical	CHE125	Physical Chemistry – Practical	10	40	50	P	2	40%
13	Practical	CHE126	Analytical Chemistry – Practical	10	40	50	P	2	40%
14	Audit	GEN121	Cyber Security	20	NA	NA	T	4	Completed
Semester III: 20 Credits									
15	Core	CHE131	Organic Reaction Mechanism	20	80	100	T	4	40%
16	Core	CHE132	Advanced Organic Spectroscopy	20	80	100	T	4	40%
17	Practical	CHE133	Organic Reaction Mechanism & Advanced Organic Spectroscopy– Practical	10	40	50	P	2	40%
18	Core	CHE134	Advanced Synthetic Methods	20	80	100	T	4	40%
Select Elective A: CHE135 & CHE136 or Elective B: CHE137 & CHE138									
Select Elective A: CHE135 & CHE136									
19	Elective Theory & Practical	CHE135	Green Chemistry	20	80	100	T	4	40%
20		CHE136	Advanced Synthetic Methods & Green Chemistry – Practical	10	40	50	P	2	40%

Elective Group B: CHE137 & CHE138									
21	Elective Theory & Practical	CHE137	Polymer Chemistry	20	80	100	T	4	40%
22		CHE138	Advanced Synthetic Methods & Polymer Chemistry – Practical	10	40	50	P	2	40%
23	Audit	HRC002	Human Rights and the Indian Constitution	20	NA	NA	T	4	Completed
Semester IV: 20 Credits									
24	Core	CHE141	Stereo Chemistry	20	80	100	T	4	40%
25	Core	RES505	Research Methodology	20	80	100	T	4	40%
26	Applied	CHE143	Drugs & Heterocyclic	20	80	100	T	4	40%
Select Elective A: CHE144 or B: CHE145									
27	Elective Theory A or B	CHE144	Industrial Organic Chemistry	20	80	100	T	4	40%
28		CHE145	Natural Products	20	80	100	T	4	40%
29	Project	CHE146	Organic Chemistry Project	20	80	100	PW	4	40%

V143: M. Sc. (Zoology) {2022 Pattern}

SN	Course Type	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester I: 20 Credits									
01	Core	ZGY111	Biochemistry	20	80	100	T	4	40%
02	Core	ZGY112	Cell Biology	20	80	100	T	4	40%
03	Core	ZGY113	Applied Zoology	20	80	100	T	4	40%
04	Applied	ZGY114	Biodiversity & Conservation	20	80	100	T	4	40%
05	Practical	ZGY115	Biochemistry & Cell Biology – Practical	10	40	50	P	2	40%
06	Practical	ZGY116	Applied Zoology & Biodiversity – Practical	10	40	50	P	2	40%
07	Audit	GEN203	Value Education	20	NA	NA	T	4	Completed
Semester II: 20 Credits									
08	Core	ZGY121	Molecular Biology	20	80	100	T	4	40%
09	Core	ZGY122	Genetics	20	80	100	T	4	40%
10	Core	ZGY123	Developmental Biology	20	80	100	T	4	40%
11	Applied	ZGY124	Entomology	20	80	100	T	4	40%
12	Practical	ZGY125	Molecular Biology & Genetics – Practical	10	40	50	P	2	40%
13	Practical	ZGY126	Developmental Biology & Entomology – Practical	10	40	50	P	2	40%
14	Audit	GEN121	Cyber Security	20	NA	NA	T	4	Completed
Semester III: 20 Credits									

15	Core	ZGY131	Immunology	20	80	100	T	4	40%
16	Core	ZGY132	Endocrinology	20	80	100	T	4	40%
17	Practical	ZGY133	Immunology & Endocrinology – Practical	10	40	50	P	2	40%
18	Core	ZGY134	Animal Physiology	20	80	100	T	4	40%
Select Elective A: ZGY135 & ZGY136 or Elective B: ZGY137 & ZGY138									
Select Elective A: ZGY135 & ZGY136									
19	Elective Theory & Practical	ZGY135	Ichthyology	20	80	100	T	4	40%
20		ZGY136	Animal Physiology & Ichthyology – Practical	10	40	50	P	2	40%
Elective Group B: ZGY137 & ZGY138									
21	Elective Theory & Practical	ZGY137	Reproductive Physiology	20	80	100	T	4	40%
22		ZGY138	Animal Physiology & Reproductive Physiology Practical	10	40	50	P	2	40%
23	Audit	HRC002	Human Rights and the Indian Constitution	20	NA	NA	T	4	Completed
Semester IV: 20 Credits									
24	Core	ZGY141	Animal Biotechnology	20	80	100	T	4	40%
25	Core	RES505	Research Methodology	20	80	100	T	4	40%
26	Core	ZGY143	Toxicology	20	80	100	T	4	40%
Select Elective A: ZGY144 or B: ZGY145									
27	Elective Theory A or B	ZGY144	Comparative Animal Physiology	20	80	100	T	4	40%
28		ZGY145	Animal Behaviour	20	80	100	T	4	40%
29	Project	ZGY146	Project	20	80	100	PW	4	40%

V144: M.Sc. (Botany) {2022 Pattern}

SN	Course Type	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester I: 20 Credits									
01	Core	BNY111	Diversity of Non–Vascular plants –I	20	80	100	T	4	40%
02	Core	BNY112	Diversity of Non-Vascular plants – II	20	80	100	T	4	40%
03	Core	BNY113	Diversity of Vascular Plants and Paleobotany	20	80	100	T	4	40%
04	Applied	BNY114	Applied Phycology	20	80	100	T	4	40%
05	Practical	BNY115	Diversity of Non-Vascular Plants – Practical	10	40	50	P	2	40%

06	Practical	BNY116	Diversity of vascular plants, Paleobotany and Applied Phycology – Practical	10	40	50	P	2	40%
07	Audit	GEN203	Value Education	20	NA	NA	T	4	Completed
Semester II: 20 Credits									
08	Core	BNY121	Plant Physiology	20	80	100	T	4	40%
09	Core	BNY122	Anatomy and Embryology	20	80	100	T	4	40%
10	Core	BNY123	Herbal Wealth	20	80	100	T	4	40%
11	Applied	BNY124	Medicinal Plants and their Applications	20	80	100	T	4	40%
12	Practical	BNY125	Plant Physiology and Anatomy and Embryology – Practical	10	40	50	P	2	40%
13	Practical	BNY126	Herbal Wealth and Medicinal Plants and their Applications – Practical	10	40	50	P	2	40%
14	Audit	GEN121	Cyber Security	20	NA	NA	T	4	Completed
Semester III: 20 Credits									
15	Core	BNY131	Cytogenetics and Plant Breeding	20	80	100	T	4	40%
16	Core	BNY132	Advanced Plant Physiology	20	80	100	T	4	40%
17	Practical	BNY133	Cytogenetics and Plant Breeding, and Advanced Plant Physiology – Practical	10	40	50	P	2	40%
18	Core	BNY134	Taxonomy of Angiosperms	20	80	100	T	4	40%
Select Elective A: BNY135 & BNY136 or Elective B: BNY137 & BNY138									
Select Elective A: BNY135 & BNY136									
19	Elective Theory & Practical	BNY135	Pharmacognosy	20	80	100	T	4	40%
20		BNY136	Taxonomy of Angiosperms and Pharmacognosy- Practical	10	40	50	P	2	40%
Elective Group B: BNY137 & BNY138									
21	Elective Theory & Practical	BNY137	Seed Technology	20	80	100	T	4	40%
22		BNY138	Taxonomy of Angiosperms and Seed Technology- Practical	10	40	50	P	2	40%
23	Audit	HRC002	Human Rights and the Indian Constitution	20	NA	NA	T	4	Completed
Semester IV: 20 Credits									
24	Core	BNY141	Biotechnology and Molecular Biology	20	80	100	T	4	40%
25	Core	RES505	Research Methodology	20	80	100	T	4	40%
26	Core	BNY143	Ecology and Phytogeography	20	80	100	T	4	40%
Select Elective A: BNY144 or B: BNY145									
27		BNY144	Tools and Techniques in Plant Science	20	80	100	T	4	40%

28	Elective Theory A or B	BNY145	Biostatistics	20	80	100	T	4	40%
29	Project	BNY146	Project	20	80	100	PW	4	40%

V131: M.Sc. (Physics) {2021 Pattern}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Year 01: 24 Credits								
01	PHY011	Mathematical Physics and Classical Mechanics	20	80	100	T	4	40%
02	PHY012	Statistical Mechanics and Quantum Mechanics	20	80	100	T	4	40%
03	PHY013	Solid State Physics	20	80	100	T	4	40%
04	PHY014	Semiconductor Devices, Analog and Digital Electronics	20	80	100	T	4	40%
05	PHY015	Heat and Acoustics (Practical)	10	40	50	P	2	40%
06	PHY016	Optics (Practical)	10	40	50	P	2	40%
07	PHY017	Basic Electronics (Practical)	10	40	50	P	2	40%
08	PHY018	Digital Electronics and Computers (Practical)	10	40	50	P	2	40%
Year 02: 24 Credits								
01	PHY021	Nuclear Physics and Analytical Techniques	20	80	100	T	4	40%
02	PHY022	Electromagnetic Theory and Spectroscopy	20	80	100	T	4	40%
03	PHY023	Memory Devices and Microprocessors	20	80	100	T	4	40%
04	PHY024	Microwave Devices and Communication Systems	20	80	100	T	4	40%
05	PHY025	Spectroscopy (Practical)	10	40	50	P	2	40%
06	PHY026	Modern Physics (Practical)	10	40	50	P	2	40%
07	PHY027	Memory Devices and Microprocessors (Practical)	10	40	50	P	2	40%
08	PHY028	Microwave Devices and Communication Systems (Practical)	10	40	50	P	2	40%

V132: M.Sc. (Chemistry) {2021 Pattern}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Year 01: 24 Credits								
01	CHE011	Inorganic Chemistry	20	80	100	T	4	40%
02	CHE012	Organic Chemistry	20	80	100	T	4	40%
03	CHE013	Physical Chemistry	20	80	100	T	4	40%
04	CHE014	Mathematics, Biology, Spectroscopy and Computers	20	80	100	T	4	40%
05	CHE015	Inorganic Chemistry (Practical)	10	40	50	P	2	40%

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
06	CHE016	Organic Chemistry (Practical)	10	40	50	P	2	40%
07	CHE017	Physical Chemistry (Practical)	10	40	50	P	2	40%
08	CHE018	Spectroscopy and Computers (Practical)	10	40	50	P	2	40%
Year 02: 24 Credits								
01	CHE021	Organic Reaction Mechanisms-II, Pericylic Reactions, Organic Photochemistry, Stereochemistry-II	20	80	100	T	4	40%
02	CHE022	Organic Chemistry – Synthetic Organic Chemistry	20	80	100	T	4	40%
03	CHE023	Organic Chemistry – Natural Products, Heterocycles, Biogenesis and Spectroscopy	20	80	100	T	4	40%
04	CHE024	Organic Chemistry – Drugs and Pharmaceuticals	20	80	100	T	4	40%
05	CHE025	Organic Chemistry – Separation and Identification of Organic Compounds (Practical)	10	40	50	P	2	40%
06	CHE026	Organic Chemistry – Separation and Identification of Organic Compounds and Chromatography (Practical)	10	40	50	P	2	40%
07	CHE027	Synthesis of Organic Compounds and Isolation of Natural Products (Practical)	10	40	50	P	2	40%
08	CHE028	Organic Chemistry – Synthesis and Analysis of Drugs (Practical)	10	40	50	P	2	40%

V133: M. Sc. (Zoology) {2021 Pattern}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Year 01: 24 Credits								
01	ZGY011	Animal Diversity and Ecology	20	80	100	T	4	40%
02	ZGY012	Cell and Molecular Biology	20	80	100	T	4	40%
03	ZGY013	Animal Physiology and Physiological Chemistry	20	80	100	T	4	40%
04	ZGY014	Human Cytogenetic and Developmental Biology	20	80	100	T	4	40%
05	ZGY015	Animal Diversity and Ecology (Practical)	10	40	50	P	2	40%
06	ZGY016	Cell and Molecular Biology (Practical)	10	40	50	P	2	40%
07	ZGY017	Animal Physiology and Physiological Chemistry (Practical)	10	40	50	P	2	40%
08	ZGY018	Human Cytogenetic and Developmental Biology (Practical)	10	40	50	P	2	40%
Year 02: 24 Credits								
09	ZGY021	Immunology	20	80	100	T	4	40%
10	ZGY022	Animal Biotechnology	20	80	100	T	4	40%

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
11	ZGY023	Toxicology	20	80	100	T	4	40%
12	ZGY024	Applied Entomology	20	80	100	T	4	40%
13	ZGY025	Immunology (Practical)	10	40	50	P	2	40%
14	ZGY026	Animal Biotechnology (Practical)	10	40	50	P	2	40%
15	ZGY027	Toxicology (Practical)	10	40	50	P	2	40%
16	ZGY028	Applied Entomology (Practical)	10	40	50	P	2	40%

V134: M.Sc. (Botany) {2021 Pattern}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Year 01: 24 Credits								
01	BNY011	Biology and Diversity of Viruses, Bacteria and Fungi	20	80	100	T	4	40%
02	BNY012	Biology and Diversity of Algae, Bryophyta and Pteridophyta	20	80	100	T	4	40%
03	BNY013	Gymnosperms, Taxonomy and Anatomy of Angiosperms	20	80	100	T	4	40%
04	BNY014	Biochemistry and Plant Physiology	20	80	100	T	4	40%
05	BNY015	Biology and Diversity of Viruses, Bacteria and Fungi (Practical)	10	40	50	P	2	40%
06	BNY016	Biology and Diversity of Algae, Bryophyta and Pteridophyta (Practical)	10	40	50	P	2	40%
07	BNY017	Gymnosperms, Taxonomy and Anatomy of Angiosperms (Practical)	10	40	50	P	2	40%
08	BNY018	Biochemistry and Plant Physiology (Practical)	10	40	50	P	2	40%
Year 02: 24Credits								
09	BNY021	Cell Biology, Genetics, Biostatistics and Ecology	20	80	100	T	4	40%
10	BNY022	Medicinal Plants and Embryology of Angiosperms	20	80	100	T	4	40%
11	BNY023	Applied Mycology and Plant Pathology	20	80	100	T	4	40%
12	BNY024	Plant Molecular Biology and Biotechnology	20	80	100	T	4	40%
13	BNY025	Cell Biology, Genetics, Biostatistics and Ecology (Practical)	10	40	50	P	2	40%
14	BNY026	Medicinal Plants and Embryology of Angiosperms (Practical)	10	40	50	P	2	40%
15	BNY027	Applied Mycology and Plant Pathology (Practical)	10	40	50	P	2	40%
16	BNY028	Plant Molecular Biology and Biotechnology (Practical)	10	40	50	P	2	40%

ONLINE ADMISSION PROCESS

University has adopted Online Admission Policy for all the Programmes. Guidelines and relevant details are published on the University website. Students shall refer '**Online Admission Process'** given on the University website before taking the admission form. Student shall check the availability of the LSC/ Study Center for the Academic Programme to which he/ she wish to take admission from the School of Sciences Prospectus 2025 and/ or School of Sciences Study Centre Details 2024/25.

PROGRAMME FEE RULES

Programme Fee Details, Eligibility Criteria and Fees Structure for Programmes offered in Academic Year 2025-26, Recognized LSCs/ Study Centers, etc are given in this Prospectus.

STUDENT EVALUATION

For each credit point of any course, total evaluation shall consist of following 2 (two) separate and independent components:

- **Continuous Assessment (CA)**: This shall be "**Open Book Formative Evaluation without Supervision**" by the Counselor for the respective course at each Learner Support Center (LSC). Aim of this component is not to assess student's learning but to provoke and motivate students for regular and better study. Hence, questions designed as per Bloom's Taxonomy guidelines to assess various cognitive levels (Remember, Understand, Apply, Analyze, Evaluate, Create).
- **End Examination (EE)**: This shall be "**Closed Book Summative Evaluation under Supervision**" conducted by the university at the designated Exam Centers. Aim of this component is to assess student's learning. Hence, questions designed as per Bloom's Taxonomy guidelines to assess various cognitive levels (Remember, Understand, Apply, Analyze, Evaluate, Create). Normally, EE shall be conducted during 5th month of each semester.

Total Marks I: 'Total Marks I' shall be sum of CA marks and EE marks acquired by the student in each course. Acquired marks by the student shall be **separately reported** for **<u>each</u>** course in the mark-statement for CA, EE and Total marks.

FROM 2023 PATTERN ONWARDS

As per NEP 2020, the 'Evaluation Pattern' of the Undergraduate and Postgraduate Programmes consist of the following components:

Course Type	Number of Credits	Continuous Assessment (CA)	End Examination (EE)	Total Marks 'TM' = (EE+CA)	Minimum Passing %
Theory(T)	4	30	70	100	minimum 40% in CA, EE and (CA + EE) shall be essential for each course to pass
Theory (T)	2	15	35	50	
Practical (P)	4	50	50	100	
Practical (P)	2	25	25	50	
Term work (TW)	2	25	25	50	
OJT/Field Project (FP)	4	50	50	100	
Field Project (FP)	2	25	25	50	
Research Project (RP)	4	50	50	100	

Research Project (RP)	6	75	75	150	

1. **Separate and independent passing @ 40% in CA, EE and (CA+EE) shall be essential for each course – Theory, Practical, OJT/FP and RP.** "CA, EE and Total marks" shall be separately reported for each course in the transcript or mark-statement. The minimum and maximum marks for "CA, EE and Total Marks" are shown in the table below. If student does not score a minimum of 40% marks in CA or in EE of a course then the result of such a course will be reported as FAIL.

Course Type	Number of Credits	Continuous Assessment (CA)		End Examination(EE)		Total Marks 'TM' = (CA +EE)	
		Min	**Max**	**Min**	**Max**	**Min**	**Max**
Theory	2	6	15	14	35	20	50
	4	12	30	28	70	40	100
Practical/TW/ OJT/FP/RP	2	10	25	10	25	20	50
	4	20	50	20	50	40	100
	6	30	75	30	75	60	150

2. In each semester, only 1 attempt, for CA for each course and for EE for each course shall be allowed. Only during valid registration period (VRP), students are allowed to appear for CA and EE for each course against the payment of the specified 'Examination Fee' for each attempt, for each course where he/she is admitted by the university. The 'CA and/or EE' attempts are counted for each examination option offered by the university to the student, irrespective of whether student actually chooses to appear in end exam or not.

3. If a student does not successfully complete the continuous assessment (CA) or pass the End Examination of Practical/Term work/OJT/Field Project/Research Project courses, they may complete these requirements with the next semester at the respective Learning Support Center (LSC) only during the valid registration period (VRP).

4. End examination shall be conducted in totally face-to-face mode at exam centers under full supervision and control of university. Student shall not be allowed to refer any text or reference book or his/her own notes during end examination.

5. For the End Examination of Practical/Term work/OJT/Field Project/Research Project courses as per NEP2020 programmes, there shall be both internal and external examiner. The internal examiner shall be the respective academic staff at the respective LSC. The university/Regional center of the university shall appoint the external examiner, who must be external to the respective LSC. Both internal and external examiners shall typically carry 50% weightage in the assessment of each student, which includes CA and EE. For more details refer CA and EE Evaluation Pattern.

6. Duration for Practical/Term work/OJT/Field Project/Research Project type of Courses: 180 Minutes for a batch of typically 15 ± 3 students

7. Only best of past performance shall be reported in transcript or mark statement.

8. **Total student evaluation for PG programme**

   a. **Each** semester shall be for **550** marks
   b. **Each** year shall be for **1100** marks
   c. **Each** regular PG degree shall be for **2200** marks

9. **Reporting Semesters** for certification **for PG programme**:
   - Min 40% or better marks in total **23 courses** (subjects) of total 88 credits at Semester 01 to 04.

10. Total student evaluation for UG programme

a. **Each** semester shall be for **550** marks.
b. **Each** year shall be for **1100** marks
c. **Each** regular UG degree shall be for **3300** marks.
d. **Each** Honours UG degree shall be for **4400** marks

11. **Reporting Semesters** for certification **for UG programme**:
    - Min 40% or better marks in total **55 courses** (subjects) of total 132 credits at Semester 01 to 06.
    - Min 40% or better marks in total **67 courses** (subjects) of total 176 credits at Semester 01 to 08.

EVALUATION PATTERN

[CA and EE Evaluation Pattern as per the Minutes of the Meeting of the NEP Cell Dated 21.11.2023 and subsequent School Council Meetings]

SN	Type of Course	Continuous Assessment (CA)	End Examination (EE)
1.	Theory (T) **4 Credit** 100 Marks CA: 30% EE: 70% [For both UG & PG]	Each student is required to attempt total 02 (Two) "Continuous Assessments (Cas)" for each course of each Semester, as per the following details: 1. CA01: 'Continuous Assessment 01 (CA01)' on Credit 01 to Credit 04 of each course, consists of • 2 (Two) 'Short Answer Questions (SAQs)', each carrying 05 Marks, on Credit 01 and Credit 02 **and** • 1 (One) 'Long Answer Question (LAQ)' of 10 Marks, on Credit 03 and Credit 04. LAQ may consist of sub-questions. **CA01**: On Credit 01 to Credit 04, of Marks = (5x2 + 10) = **20 Marks** 2. CA02: 'Continuous Assessment 02 (CA02)' on Credit 01 to Credit 04 of each course, consists of • A test containing total **10** (Ten) 'Objective Type Questions, ' 05 (Five) on Credit 01 and Credit 02, and 05 (Five) on Credit 03 and Credit 04. Each 'Objective Type Question' of 1 Mark. **CA02**: On Credit 01 to Credit 04, of Marks = **10 Marks** 3. Maximum number of attempts for **CA,** during each semester: Single attempt only 4. **Total Marks**: **30** Marks	1. Student is required to answer **05 'VSAQs' out of 06 'VSAQs'**, each carrying 03 Marks, on Credit 01 to 04, for total 15 Marks. One VSAQ will be on each Credit. 2. Student is required to answer **05 'SAQs' out of 06 'SAQs'**, each carrying 05 Marks, on Credit 01 to 04, for total 25 Marks. One SAQ will be on each Credit. 3. Student is required to answer **01 'LAQ' out of 2 LAQs,** of 10 Marks on Credit 01 and Credit 02, for total 10 Marks. LAQ may consist of sub-questions. 4. Student is required to answer **01 'LAQ' out of 2 LAQs,** of 10 Marks on Credit 03 and Credit 04, for total 10 Marks. LAQ may consist of sub-questions. 5. Student is required to answer **01 'LAQ' out of 2 LAQs,** of 10 Marks on Credit 01 to Credit 04, for total 10 Marks. LAQ may consist of sub-questions. 6. Number of attempts: Till Valid Registration Period (VRP) only 7. Marks: 70 Marks 8. Duration: 150 minutes

<table>
<tr><th>S N</th><th>Type of Course</th><th colspan="2">Continuous Assessment (CA)</th><th>End Examination (EE)</th></tr>
<tr><td></td><td></td><td colspan="3"><table>
<tr><th>SN</th><th>Description</th><th>Evaluation of End Examination(EE)</th><th>Marks</th></tr>
<tr><td rowspan="3">1</td><td rowspan="3">Question Types</td><td>Very Short Answer Question (VSAQ) on each Credit</td><td>03 Marks</td></tr>
<tr><td>Short Answer Question (SAQ) on each Credit</td><td>05 Marks</td></tr>
<tr><td>On each Credit, either Single Long Answer Question (LAQ) or LAQ contains sub-questions (a), (b) and so on.</td><td>10 Marks</td></tr>
<tr><td>2</td><td>Grand Total Marks</td><td>Total five Questions in EE Question paper based on:
Credit 01 to 04 : 05 VSAQs out of 06 VSAQs (15 Marks)
Credit 01 to 04 : 05 SAQs out of 06 SAQs (25 Marks)
Credit 01 to 02 : 01 LAQ out of 02 LAQs (10 Marks)
Credit 03 to 04 : 01 LAQ out of 02 LAQs (10 Marks)
Credit 01 to 04 : 01 LAQ out of 02 LAQs (10 Marks)
LAQ may contains sub-questions</td><td>70 Marks</td></tr>
</table></td></tr>
<tr><td>2.</td><td>Theory (T)

2 Credit
50 Marks

CA: 30%
EE: 70%

[For both UG & PG]</td><td colspan="2">Each student is required to attempt total 01 (One) “Continuous Assessment (CA)” for each course of each Semester, as per the following details:
1. CA01: 1 (One) ‘Continuous Assessment 01 (CA01)’ on Credit 01 and Credit 02 of each course, consists of
• 1 (One) ‘Short Answer Question (SAQ)’ of 5 Marks
and
• 1 (One) ‘Long Answer Question (LAQ)’of 10 Marks, LAQ may consist of sub-questions.
CA01: On Credit 01 and Credit 02, of Marks = (5 + 10) = 15 Marks
2. Maximum number of attempts for CA, during each semester: Single attempt only
3. Total Marks: 15 Marks</td><td>1. Student is required to answer 05 ‘VSAQs’ out of 06 ‘VSAQs’, each carrying 03 Marks, on Credit 01 to 02, for total 15 Marks. One VSAQ will be on each Credit.
2. Student is required to answer 02 ‘SAQs’ out of 03 ‘SAQs’, each carrying 05 Marks, on Credit 01 to 02, for total 10 Marks. One SAQ will be on each Credit.
3. Student is required to answer 01 ‘LAQ’ out of 2 LAQs, of 10 Marks on Credit 01 and Credit 02, for total 10 Marks. LAQ may consist of sub-questions.
4. Number of attempts: Till Valid Registration Period (VRP) only
5. Marks: 35 Marks
6. Duration: 75 minutes</td></tr>
</table>

<table>
<tr><th>SN</th><th>Type of Course</th><th colspan="2">Continuous Assessment (CA)</th><th>End Examination (EE)</th></tr>
<tr><td></td><td></td><td colspan="3">
<table>
<tr><th>SN</th><th>Description</th><th>Evaluation of End Examination (EE)</th><th>Marks</th></tr>
<tr><td rowspan="3">1</td><td rowspan="3">Question Types</td><td>Very Short Answer Question (VSAQ) on each Credit</td><td>03 Marks</td></tr>
<tr><td>Short Answer Question (SAQ) on each Credit</td><td>05 Marks</td></tr>
<tr><td>On each Credit, either Single Long Answer Question (LAQ) or LAQ contains sub-questions (a), (b) and so on.</td><td>10 Marks</td></tr>
<tr><td>2</td><td>Grand Total Marks</td><td>Total three Questions in EE Question paper based on:
Credit 01 to 02 : 05 VSAQs out of 06 VSAQs (15 Marks)
Credit 01 to 02 : 02 SAQs out of 03 SAQs (10 Marks)
Credit 01 to 02 : 01 LAQ out of 02 LAQs (10 Marks)
LAQ may contains sub-questions</td><td>35 Marks</td></tr>
</table>
</td></tr>
<tr><td>3.</td><td>Practical (P)

4 Credit
100 Marks

CA: 50%
EE: 50%

[For both UG & PG]</td><td colspan="2">1. Student is required to submit “Activity Report in Work-Book Format” for each Credit in the prescribed format.
2. Maximum number of attempts for each CA, during each semester : Single attempt only
3. Marks: 50 Marks
4. Grading criteria:
<table>
<tr><td>Lab Punctuality, Preparedness & Ethics</td><td>Irregular in lab. Copies the experiment from others
(0 Points)</td><td>Consistently regular but unable to explain the concepts
(06 Points)</td><td>Punctuality in lab. Follows the procedure and responds to questions asked
(10 Points)</td></tr>
<tr><td>Activity Report and Performance

(Experiment No, Date, Objectives, Apparatus with specification, Observations, Graphs, software used if any)</td><td>Poor Documentation and copied the experiment from others. Couldn’t perform the Activity /poor observation made
(04 Points)</td><td>Average Documentation: Report is in format but some of the formatting guidelines are missed. Performed the Activity but observations made with some mistakes
(12 Points)</td><td>Good Documentation: Lab activity writing is in proper format with all references, Grammar. Performed the Activity on time observations made with no mistakes
(20 Points)</td></tr>
<tr><td>Results and Conclusion</td><td>Unable to achieve the desired results but makes attempts to relate data to theory. Poor concluding statements
(08 Points)</td><td>Average graphical and tabulated representation with misinterpret physical significance of theory. Achieve the desired results and but insufficient conclusion statement.
(14 Points)</td><td>Analyses and interpret observed data carefully with good graphical and tabulated representation using appropriate theory/evidence. Achieve the results and reach to appropriate Conclusion
(20 Points)</td></tr>
</table>
</td><td>External and internal examiners shall assess each student based on:
1. Workbook/Activity Report submission by the student (Only by External Examiner) [05 Marks]
2. Practical Activity performed by the student [12 Marks]
3. Result and Conclusion of the Practical Activity [13 Marks]
4. Viva-Voce on Practical Activities [20 Marks]
5. Number of attempts: Till Valid Registration Period (VRP) only
6. Marks: 50 Marks
7. Duration: 180 minutes</td></tr>
</table>

<table>
<tr><th>SN</th><th>Type of Course</th><th>Continuous Assessment (CA)</th><th>End Examination (EE)</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td rowspan="2">SN</td><td colspan="3">Evaluation of Practical End Examination</td></tr>
<tr><td>Description</td><td>Internal Examiner</td><td>External Examiner</td></tr>
<tr><td>1</td><td>Workbook/Activity Report</td><td>-</td><td>05 Marks</td></tr>
<tr><td>2</td><td>Actual Conduct of one randomly selected Practical Activity</td><td>02 Marks</td><td>10 Marks</td></tr>
<tr><td>3</td><td>Diagram, Synoptic Answers, Graph/ Observation and Conclusion</td><td>03 Marks</td><td>10 Marks</td></tr>
<tr><td>4</td><td>Viva-Voce/Oral</td><td>05 Marks</td><td>15 Marks</td></tr>
<tr><td>5</td><td>Total</td><td>10 Marks</td><td>40 Marks</td></tr>
</table>
</td><td></td></tr>
<tr><td>4.</td><td>Practical (P)

2 Credit
50 Marks

CA: 50%
EE: 50%

[Only for UG]</td><td>1. Student is required to submit “Activity Report in Work-Book Format” for each Credit in the prescribed format.
2. Maximum number of attempts for each CA, during each semester : Single attempt only
3. Marks: 25 Marks
4. Grading criteria:
<table>
<tr><td>Lab Punctuality, Preparedness & Ethics</td><td>Irregular in lab. Copies the experiment from others
(0 Points)</td><td>Consistently regular but unable to explain the concepts
(03 Points)</td><td>Punctuality in lab. Follows the procedure and responds to questions asked
(05 Points)</td></tr>
<tr><td>Activity Report and Performance

(Experiment No, Date, Objectives, Apparatus with specification, Observations, Graphs, software used if any)</td><td>Poor Documentation and copied the experiment from others.
Couldn’t perform the Activity /poor observation made
(02 Points)</td><td>Average Documentation: Report is in format but some of the formatting guidelines are missed. Performed the Activity but observations made with some mistakes
(06 Points)</td><td>Good Documentation: Lab activity writing is in proper format with all references, Grammar.
Performed the Activity on time observations made with no mistakes
(10 Points)</td></tr>
<tr><td>Results and Conclusion</td><td>Unable to achieve the desired results but makes attempts to relate data to theory. Poor concluding statements
(04 Points)</td><td>Average graphical and tabulated representation with misinterpret physical significance of theory. Achieve the desired results and but insufficient conclusion statement.
(07 Points)</td><td>Analyses and interpret observed data carefully with good graphical and tabulated representation using appropriate theory/evidence. Achieve the results and reach to appropriate Conclusion
(10 Points)</td></tr>
</table>
</td><td>1. External and internal examiners shall assess each student based on:
a. Workbook/Activity Report submission by the student (Only by External Examiner) [05 Marks]
b. Practical Activity performed by the student [06 Marks]
c. Result and Conclusion of the Practical Activity[07 Marks]
d. Viva-Voce on Practical Activities [07 Marks]
2. Number of attempts: Till Valid Registration Period (VRP) only
3. Marks: 25 Marks
4. Duration: 180 minute</td></tr>
</table>

<table>
<tr><th>SN</th><th>Type of Course</th><th>Continuous Assessment (CA)</th><th>End Examination (EE)</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td rowspan="2">SN</td><td colspan="3">Evaluation of Practical End Examination</td></tr>
<tr><td>Description</td><td>Internal Examiner</td><td>External Examiner</td></tr>
<tr><td>1</td><td>Workbook/Activity Report</td><td>-</td><td>05 Marks</td></tr>
<tr><td>2</td><td>Actual Conduct of one randomly selected Practical Activity</td><td>01 Marks</td><td>05 Marks</td></tr>
<tr><td>3</td><td>Diagram, Synoptic Answers, Graph/ Observation and Conclusion</td><td>02 Marks</td><td>05 Marks</td></tr>
<tr><td>4</td><td>Viva-Voce/Oral</td><td>02 Marks</td><td>05 Marks</td></tr>
<tr><td></td><td>Total</td><td>05 Marks</td><td>20 Marks</td></tr>
</table>
</td><td></td></tr>
<tr><td>5.</td><td>Term Work (TW)

2 Credit
50 Marks

CA: 50%
EE: 50%

[Only for UGV06]</td><td>1. Student is required to submit “Activity Report in Work-Book Format” for each Credit in the prescribed format.
2. Maximum number of attempts for each CA, during each semester : Single attempt only
3. Marks: 25 Marks
4. Grading Criteria:
<table>
<tr><td>Lab Punctuality, Preparedness & Ethics</td><td>Irregular in lab. Copies the experiment from others
(0 Points)</td><td>Consistently regular but unable to explain the concepts
(03 Points)</td><td>Punctuality in lab. Follows the procedure and responds to questions asked
(05 Points)</td></tr>
<tr><td>Activity Report and Performance

(Experiment No, Date, Objectives, Apparatus with specification, Observations, Graphs, software used if any)</td><td>Poor Documentation and copied the experiment from others. Couldn’t perform the Activity /poor observation made
(02 Points)</td><td>Average Documentation: Report is in format but some of the formatting guidelines are missed. Performed the Activity but observations made with some mistakes
(06 Points)</td><td>Good Documentation : Lab activity writing is in proper format with all references, Grammar. Performed the Activity on time observations made with no mistakes
(10 Points)</td></tr>
<tr><td>Results and Conclusion</td><td>Unable to achieve the desired results but makes attempts to relate data to theory. Poor concluding statements
(04 Points)</td><td>Average graphical and tabulated representation with misinterpret physical significance of theory. Achieve the desired results and but insufficient conclusion statement.
(07 Points)</td><td>Analyses and interpret observed data carefully with good graphical and tabulated representation using appropriate theory/evidence. Achieve the results and reach to appropriate Conclusion
(10 Points)</td></tr>
</table>
</td><td>1. External and internal examiners shall assess each student based on:
a. Workbook/Activity Report submission by the student (Only by External Examiner) [05 Marks]
b. Viva-Voce on Practical Activities [20 Marks]
2. Number of attempts: Till Valid Registration Period (VRP) only
3. Marks: 25 Marks
4. Duration: 180 minutes</td></tr>
</table>

<table>
<tr><th>SN</th><th>Type of Course</th><th>Continuous Assessment (CA)</th><th>End Examination (EE)</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td rowspan="2">SN</td><td colspan="3">Evaluation of TW End Examination</td></tr>
<tr><td>Description</td><td>Internal Examiner</td><td>External Examiner</td></tr>
<tr><td>1</td><td>Workbook/Activity Report</td><td>-</td><td>05 Marks</td></tr>
<tr><td>2</td><td>Viva-Voce/Oral</td><td>05 Marks</td><td>15 Marks</td></tr>
<tr><td></td><td>Total</td><td>05 Marks</td><td>20 Marks</td></tr>
</table>
</td></tr>
<tr><td>6.</td><td>Field Project (TW)

4 Credit
100 Marks

CA: 50%
EE: 50%

[Only for PG]</td><td>
Students need to complete one month Field Project related to selected Major (Total Study hours 120 hrs including Activity Report). After completion of the field project, learners shall submit a report to the LSC – Programme Coordinator (PC) and Mentor/Guide.
1. Maximum number of attempts for each CA, during each semester: Single attempt only
2. Duration: 1 Month or 4 Weeks duration
i) Any one month during semester 02 duration of PG programme
3. Marks: 50 Marks
4. Grading Criteria for Evaluation of FP (only by Mentor/Guide):
<table>
<tr><td>SN</td><td>Description</td><td>Marks</td></tr>
<tr><td>1</td><td>Key Definitions of Problem area and analysis of preliminary data</td><td>15</td></tr>
<tr><td>2</td><td>Work related to formats, Correspondence, Interactions and liaising etc</td><td>05</td></tr>
<tr><td>3</td><td>Field work and data collection</td><td>15</td></tr>
<tr><td>4</td><td>Analysis and Report</td><td>10</td></tr>
<tr><td>5</td><td>Feedback to community</td><td>05</td></tr>
<tr><td colspan="2">Total</td><td>50</td></tr>
</table>
</td><td>
1. External and Internal examiners (Internal examiner – Programme Coordinator (PC) / Supervisor of LSC) shall assess each student based on:
a. Activity Report submission by the student (Only by External Examiner) [10 Marks]
b. Viva-Voce on Activity Report [40 Marks]
2. Number of attempts: Till Valid Registration Period (VRP) only
3. Marks: 50 Marks
4. Duration: 180 minutes
</td></tr>
<tr><td colspan="4">
<table>
<tr><td rowspan="2">SN</td><td colspan="3">Evaluation of Field Project End Examination</td></tr>
<tr><td>Description</td><td>Internal Examiner (Programme Coordinator (PC)/ Supervisor of LSC)</td><td>External Examiner</td></tr>
<tr><td>1</td><td>Workbook/Report submission</td><td>-</td><td>10 Marks</td></tr>
<tr><td>2</td><td>Viva-Voce /Oral</td><td>10 Marks</td><td>30 Marks</td></tr>
<tr><td>3</td><td>Total</td><td>10 Marks</td><td>40 Marks</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><th>SN</th><th>Type of Course</th><th>Continuous Assessment (CA)</th><th>End Examination (EE)</th></tr>
<tr><td>7.</td><td>Field Project (TW)

2 Credit
50 Marks

CA: 50%
EE: 50%

[Only for UGV06]</td><td>Students need to complete Field Project (Total Study hours 60 hrs including Activity Report) related to selected Major. After completion of the field project, learners shall submit a report to the LSC – Programme Coordinator (PC) and Mentor/Guide.
5. Maximum number of attempts for each CA, during each semester: Single attempt only
6. Duration: Minimum 15 days or 2 Weeks duration – Any month during the semester 3 & semester 5 of UG programme
7. Marks: 25 Marks
8. Grading Criteria for Evaluation of FP (only by Mentor/Guide):
<table>
<tr><th>SN</th><th>Description</th><th>Marks</th></tr>
<tr><td>1</td><td>Key Definitions of Problem area and analysis of preliminary data</td><td>05</td></tr>
<tr><td>2</td><td>Work related to formats, Correspondence, Interactions and liaising etc</td><td>05</td></tr>
<tr><td>3</td><td>Field work and data collection</td><td>05</td></tr>
<tr><td>4</td><td>Analysis and Report</td><td>05</td></tr>
<tr><td>5</td><td>Feedback to community</td><td>05</td></tr>
<tr><td colspan="2">Total</td><td>25</td></tr>
</table></td><td>1. External and Internal examiners (Internal examiner – Programme Coordinator (PC) / Supervisor of LSC) shall assess each student based on:
a. Activity Report submission by the student (Only by External Examiner) [05 Marks]
b. Viva-Voce on Activity Report [20 Marks]
2. Number of attempts: Till Valid Registration Period (VRP) only
3. Marks: 25 Marks
4. Duration: 180 minutes</td></tr>
<tr><td colspan="4">
<table>
<tr><th rowspan="2">SN</th><th colspan="3">Evaluation of Field Project End Examination</th></tr>
<tr><th>Description</th><th>Internal Examiner (Programme Coordinator (PC)/ Supervisor of LSC)</th><th>External Examiner</th></tr>
<tr><td>1</td><td>Workbook/Report submission</td><td>-</td><td>05 Marks</td></tr>
<tr><td>2</td><td>Viva-Voce /Oral</td><td>05 Marks</td><td>15 Marks</td></tr>
<tr><td>3</td><td>Total</td><td>05 Marks</td><td>20 Marks</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><th>SN</th><th>Type of Course</th><th>Continuous Assessment (CA)</th><th>End Examination (EE)</th></tr>
<tr><td>8.</td><td>OJT or Internship (TW)

4 Credit
100 Marks

CA: 50%
EE: 50%

[For Both UGV06 & PG]</td><td>
1. Students need to complete one month On Job Training (OJT) or Internship related to selected Major (Total Study hours 120 hrs including Internship Report) in any Industry / Organization / Institute/ R&D Division/ Any Micro/ Small/ Medium/ enterprise/ Govt/NGO/PSU/Online Internship related to Major course.
2. Maximum number of attempts for each CA, during each semester: Single attempt only
3. Marks: 50 Marks
4. Duration: 1 Month or 4 Weeks duration –
Any one month within semester duration, but before end examination of that particular semester
5. Grading Criteria for Evaluation of OJT (or Intern) only by Mentor where the Internship is proposed to be imparted:
<table>
<tr><th>SN</th><th>Parameters</th><th>Marks Out of</th></tr>
<tr><td>1</td><td>Behaviors, Shows interest in assigned work, Willingness to learn</td><td>10</td></tr>
<tr><td>2</td><td>Accepts responsibility, Cooperates with co-workers and supervisors, Demonstrates organizational skills</td><td>10</td></tr>
<tr><td>3</td><td>Uses time, knowledge and expertise effectively, Analyzes problems effectively</td><td>10</td></tr>
<tr><td>4</td><td>Demonstrates creativity/ originality / any innovative contribution, Professional ethics and accountability</td><td>10</td></tr>
<tr><td>5</td><td>Writes effectively, Produces high quality work/Skill Proficiency</td><td>10</td></tr>
<tr><td colspan="2">Total</td><td>50</td></tr>
</table>
Document as Evidence: Activity report along with Certificate or Declaration, duly issued and signed by the concerned authority [To be assessed during EE] should be submitted during End Examination to the parent Learner support Centre (LSC).
</td><td>
At the end of second semester, Programme Coordinator (PC)/ Supervisor of LSC and 1 (one) External Examiner will complete ‘End Exam (EE)’ for all allotted students as follows:
1. Duration of EE: After Theory EE of second Semester
2. Programme Coordinator (PC)/ Supervisor of LSC and External Expert will have 20% and 80% weightage respectively in EE.
3. Number of attempts: Till Valid Registration Period (VRP) only
4. Marks for EE: 50 Marks
<table>
<tr><th>Parameter</th><th>PC /Supervisor of LSC</th><th>External Expert</th></tr>
<tr><td>Professional Attitude</td><td>-</td><td>05 Marks</td></tr>
<tr><td>Maintenance of Daily Diary</td><td>-</td><td>10 Marks</td></tr>
<tr><td>Internship Report</td><td>05 Marks</td><td>10 Marks</td></tr>
<tr><td>Viva/Oral</td><td>05 Marks</td><td>15 Marks</td></tr>
<tr><td>Total</td><td>10 Marks</td><td>40 Marks</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><th>SN</th><th>Type of Course</th><th>Continuous Assessment (CA)</th><th>End Examination (EE)</th></tr>
<tr><td>9.</td><td>CEP (TW)

2 Credit
50 Marks

CA: 50%
EE: 50%

[Only for UGV06]</td><td>1. CEP Proposals*: 15 Marks

2. Planning community work, correspondence, formats, interactions, liaising: 10 Marks

3. Marks: 25 Marks</td><td>1. CEP report**: 15 marks

2. Viva /Presentation: 10 Marks
3. Marks: 25 Marks</td></tr>
<tr><td colspan="3">*CEP Proposals: 1) Basic structure of Society
2) Key definitions of Problem area
3) Analysis of Preliminary data

**CEP Report: 1) Field work and data gathering
2) Analysis and reporting</td></tr>
<tr><td>10.</td><td>Project Work (PW)

RP-I
4 Credit
100 Marks

CA: 50%
EE: 50%

[Only for PG]</td><td>1. Student is required to submit “Activity Report” based on Grading Criteria of the course in the prescribed format.
2. Maximum number of attempts for each CA, during each semester: Single attempt only
3. Marks: 50Marks
4. Grading Criteria:
<table><tr><th>SN</th><th>Desc</th><th>Marks</th></tr><tr><td>1</td><td>Seminar*</td><td>25</td></tr><tr><td>2</td><td>Research Proposal</td><td>25</td></tr></table>*To be conducted in Online/Offline mode at LSC.</td><td>1. External and internal examiners shall assess each student based on:
a. Project Report submission by the student (Only by External Examiner) [10 Marks]
b. Project Presentation by the student [20 Marks]
c. Viva-Voce on Project Report [20 Marks]
2. Number of attempts: Till Valid Registration Period (VRP) only
3. Marks: 50 Marks
4. Duration: 180 minutes</td></tr>
<tr><td colspan="3"><table><tr><th rowspan="2">SN</th><th colspan="3">Evaluation of Project Work End Examination</th></tr><tr><th>Description</th><th>Internal Examiner</th><th>External Examiner</th></tr><tr><td>1</td><td>Project Report</td><td>-</td><td>10 Marks</td></tr><tr><td>2</td><td>Project Presentation</td><td>05 Marks</td><td>15 Marks</td></tr><tr><td>3</td><td>Viva-Voce /Oral</td><td>05 Marks</td><td>15 Marks</td></tr><tr><td>4</td><td>Total</td><td>10 Marks</td><td>40 Marks</td></tr></table></td></tr>
</table>

<table>
<tr><th>SN</th><th>Type of Course</th><th>Continuous Assessment (CA)</th><th>End Examination (EE)</th></tr>
<tr><td>11.</td><td>Project Work (PW)

RP-II

6 Credit
150 Marks

CA: 50%
EE: 50%

[Only for PG]</td><td>1. Student is required to submit “Activity Report” based on Grading Criteria of the course in the prescribed format.
2. Maximum number of attempts for each CA, during each semester: Single attempt only
3. Marks: 75 Marks
4. Grading Criteria:
<table>
<tr><th>SN</th><th>Description</th><th>Marks</th></tr>
<tr><td>1</td><td>Seminar*</td><td>30</td></tr>
<tr><td>2</td><td>Research Paper Presentation**</td><td>30</td></tr>
<tr><td>3</td><td>Project Report</td><td>15</td></tr>
</table>
*To be conducted in Online/Off line mode at LSC.
** Journals/Conferences/ at LSC, in Online/Offline mode [This activity shall be organized by respective LSC in Online/Offline mode in case student didn’t get an opportunity for presentation at Journals/Conferences]</td><td>1. External and internal examiners shall assess each student based on:
a. Project Report submission by the student (Only by External Examiner) [20 Marks]
b. Project Presentation by the student [25 Marks]
c. Viva-Voce on Project Report [30 Marks]
2. Number of attempts: Till Valid Registration Period (VRP) only
3. Marks: 75 Marks
4. Duration: 180 minutes</td></tr>
<tr><td></td><td></td><td colspan="2">
<table>
<tr><th rowspan="2">SN</th><th colspan="3">Evaluation of Project Work End Examination</th></tr>
<tr><th>Description</th><th>Internal Examiner</th><th>External Examiner</th></tr>
<tr><td>1</td><td>Project Report</td><td>-</td><td>20 Marks</td></tr>
<tr><td>2</td><td>Project Presentation</td><td>05 Marks</td><td>20 Marks</td></tr>
<tr><td>3</td><td>Viva-Voce /Oral</td><td>10 Marks</td><td>20 Marks</td></tr>
<tr><td></td><td>Total</td><td>15 Marks</td><td>60 Marks</td></tr>
</table>
</td></tr>
</table>

BEFORE 2023 PATTERN

- **Continuous Assessment (CA)**: CA for **each** credit shall carry 5 marks (For course of 4 Credit, CA will be 20 Marks).
- **End Examination (EE)**: EE for each credit shall carry 20 marks (For course of 4 Credit, EE will be 80 Marks).
- **Student Evaluation policies** :

  End examination shall be conducted in totally face-to-face mode at exam centers under full supervision and control of university. Student shall not be allowed to refer any text or reference book or his/her own notes during end examination. **80% attendance shall be essential prerequisite for appearing in end exam** for Practical, Term-Work, Studio or Project-Work Type of Courses**.** Certification by the LSC/ Study Center Head / Coordinator on the “End Exam Hall Ticket” shall automatically certify this minimum 80% attendance.

  1. **Theory Type of Courses**: EE shall have total 20 marks and 45 minutes duration for each credit of each course. For successful completion, minimum specified marks shall be essential. Block size for EE shall be 30 students. Only 5 (Five) SAQs, each of 05 marks, shall be asked on any one or more chapters from the respective credit. Out of 5 SAQs, students have to solve 4 SAQs. Each answer book shall be bar coded. Only total marks shall be reported for each student.

2. **Studio with Term-Work Type of Courses**: EE shall have total 20 marks for each credit point block of the course and duration of End Exam shall be 240 minutes. For successful completion, minimum specified marks shall be essential. Batch size for EE shall be 20 students. Only total marks shall be reported for each student. There shall be internal and external examiner. Internal examiner shall be the respective academic staff at the respective LSC/ Study Center. The university shall appoint external examiner, who must be external to the respective LSC/ Study Center. Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student for 4 Credit course based on following criteria:

Parameter	Internal Examiner (out of 50 Marks)	External Examiner (out of 50 Marks)
Term work submission	Out of 20	Out of 20
Continuous Assessment submission	Out of 20	Out of 20

3. **Studio with Viva Type of Courses**: EE shall have total 20 marks for each credit point block of the course and duration of End Exam shall be 240 minutes. For successful completion, minimum specified marks shall be essential. Batch size for EE shall be 15 students. Only total marks shall be reported for each student. There shall be internal and external examiner. Internal examiner shall be the respective academic staff at the respective LSC/ Study Center. The university shall appoint external examiner, who must be external to the respective LSC/ Study Center. Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student for 4 Credit course based on following criteria:

Parameter	Internal Examiner (Out of 50 Marks)	External Examiner (Out of 50 Marks)
Term work submission	Out of 20	Out of 20
Continuous Assessment submission	Out of 20	Out of 20
Viva-Voce	Out of 10	Out of 10

4. **Practical Type of Courses**: EE shall have total 20 marks for each credit point block of the course and duration of End Exam shall be 240 minutes. For successful completion, minimum specified marks shall be essential. Only total marks shall be reported for each student. Batch size for EE shall be 15 students. There shall be internal and external examiner. Internal examiner shall be the respective academic staff at the respective LSC/ Study Center. The university shall appoint external examiner, who must be external to the respective LSC/ Study Center. Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student for 4 Credit course based on following criteria:

Parameter	Internal Examiner (Out of 40 Marks)	External Examiner (Out of 40 Marks)
Journal (Work-Book)	Out of 05	Out of 05
Punctuality and attendance record	Out of 05	Out of 05
Conduct of One Randomly Selected Practical Activity	Out of 10	Out of 10
Report of Practical Activity	Out of 10	Out of 10
Viva-Voce	Out of 10	Out of 10

5. **Project Work Type of Courses**: EE shall have total 20 marks for each credit point block of the course and duration of End Exam shall be 240 minutes. For successful completion, minimum specified marks shall be essential. Only total marks shall be reported for each student. Batch size for EE shall be 08 students. There shall be internal and external examiner. Internal examiner shall be the respective academic staff at the respective LSC/ Study Center. The university shall appoint external examiner, who must be external to the respective LSC/ Study Center. Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student for 4 Credit course based on following criteria:

Parameter	Internal Examiner (out of 40 Marks)	External Examiner (out of 40 Marks)
Project Proposal and Review of Literature	Out of 10	Out of 10
Project Results and Report	Out of 20	Out of 20
Presentation	Out of 05	Out of 05
Viva-Voce	Out of 05	Out of 05

6. **Term Work Type of Courses**: EE shall have total 25 marks for each credit point block of the course and duration of End Exam shall be 240 minutes. For successful completion, minimum specified marks shall be essential. Only total marks shall be reported for each student. Batch size for EE shall be 30 students. There shall be internal and external examiner. Internal examiner shall be the respective academic staff/ mentor at the respective LSC/ Study Center/ business/ service unit or industry. The university shall appoint external examiner, who must be external to the respective LSC/ Study Center. In case of Programme on offer based on Learn & Earn scheme only, the LSC/ Study Center will appoint external examiner {Refer Evaluation & Examination details mentioned for Learn & Earn Scheme given in this Prospectus}.

   Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student for 4 Credit Term Work Type Course of **100** Marks based on the following criteria. Similarly, this criterion is proportionately applicable for a 8 Credit Term Work Course of 200 Marks {Refer End Examination details mentioned for Learn & Earn Scheme given in this Prospectus}.

Parameter	Internal Examiner (out of 50 Marks)	External Examiner (out of 50 Marks)
Punctuality and attendance record	Out of 10	Out of 10
Term work submission	Out of 20	Out of 20
Viva-Voce	Out of 20	Out of 20

END EXAMINATION

Objective of End Examination is Assessment of the student's learning.

END EXAM SCHEDULE

End examination shall be arranged in 2 sessions on each day. Normal dates and timings shall be as given below. All students and LSCs/ Study Centers are expected to note following "End Exam Time-Table" as no separate notice or intimation regarding it shall be given to any student or LSC/ Study Center. Students are allowed to choose only those courses (**where student is admitted** and **registration period is valid**) for end examination, which are permitted by this "End Exam Time-Table."

Only under exceptional conditions, these dates may be changed with appropriate notice on website.

End Exam Time Table [Will be updated soon for New programmes]

Day and Date	**Morning Session** **Semester 01, 02, 05, 06,09, 10, 13, 14** **Start Time: 10:30 Hrs**	**Afternoon Session** **Semester 03, 04, 07, 08,11 and 12** **Start Time: 14:30**
End exam duration shall be for the specified time duration given on each "Question Paper" from the start time mentioned above.		
End Exam for **only Theory** Type of Courses, where **last 3 characters** of the course code are used (Full course codes are used for **V58, V100, V92 and V96** Programmes) (V151 to V156 PG programmes [NEP2020] course code – FY starts from 500 series and SY starts from 600 series)		
01st Day: Course 01 Nov **or** May	011, 051, 091, 111, AEC111, SEC511, MES101, GEN171, **501**	031, 071, 111, 131, SEC311, MES301, **601**

Day and Date	Morning Session Semester 01, 02, 05, 06,09, 10, 13, 14 Start Time: 10:30 Hrs	Afternoon Session Semester 03, 04, 07, 08,11 and 12 Start Time: 14:30
02nd Day: Course 01 Nov **or** May	021, 061, 101, 121, AEC211, SEC611, MES104, **509**	041, 081, 121, 141, SEC411, MES303, **609**
03rd Day: Course 02 Nov **or** May	012, 052, 092, 112, S34121, S34521, BNY101, BNY301,S64121, S64521, MES102, **502**	032, 072, 132, S34321, S64321, BNY201, MES302, **602**
04th Day: Course 02 Nov **or** May	022, 062, 102, 122, S34221, S34621,BNY106,BNY307,S64221, S64621, MES201, **510**	042, 082, 142, S34421,BNY206, S64421, MES401, **610**
05th Day: Course 03 Nov **or** May	013, 053, 093, 113, S37131, S37531, S67131, S67531, MES103, **503**	033, 073, 134, S37331, S67331, MES304, **603**
06th Day: Course 03 Nov **or** May	023, 063, 103, 123, S37231, S37631, S67231, S67631, MES202, **511**	043, 083, 143, S37431, S67431, MES402, **613, 614, 615**
07th Day: Course 04 Nov **or** May	014, 054, 094, 114, S41141, S41541, S71141, S71541, ZGY101, ZGY301, **505**	034, 074, 135, S41341, S71341, ZGY201, ZGY206, **606, 607, 608**
08th Day: Course 04 Nov **or** May	024, 064, 104, 124, S41241, S41621, ZGY106, ZGY307, S71241, S71641, **515, 516**	044, 084, 144, S41441, S71441, ZGY206
09th Day: Course 05 Nov **or** May	*015, 055, 095, **506, 507** **(*Not applicable for T101)**	035, 075, 137
10th Day: Course 05 Nov **or** May	*025, 065, 105 **(*Not applicable for T101)**	045, 085, 145
End Exam for Practical, Term-Work, OJT, FP, Project-Work Type of Courses shall be immediately before/ after the end exam for theory courses, **but end positively before** 30-Nov (for odd semester end exam) or 30-May (For even semester end exam). **Students are required to contact their allotted exam center for the detail schedule**.		

EE Policies and Rules

1. **Last End Exam for Withdrawn Programmes** is given in the "Schedule of Last Further Admission and End Exam for Withdrawn Programmes" section, starting on pages 2-4.
2. Now student shall be allowed to appear in End Exam (**as permitted by the end exam time table**) for all those courses where he/she is already admitted by the university, till last end exam attempt, if it is declared by the university.
3. University shall not specify any last end exam attempt in case of "Programmes on Offer".
4. Student shall successfully complete the courses/ program before the last end exam attempt in case of "Withdrawn Programmes". After the last end exam slot, no further end exam attempts will be given by the university in case of withdrawn programmes.

Performance Improvement

Only during the valid registration period, students are allowed to improve end exam performance by reappearing in the end examination for **only theory type of course**. Only the **best of the past end exam performance shall be reported** in the Mark-Statement. But, after the award of certification in the convocation, no performance improvement shall be allowed. Hence, student must attempt 'End Exam Performance Improvement' positively before applying for the convocation.

Vertical Mobility and Horizontal Exist

Vertical mobility and Horizontal exist is recommended by UGC and also in National Education Policy 2020. This School adopted this policy in its programmes.

1. As per NEP 2020, the exit option at the end of first year of Postgraduate/Master Degree programme will commence from AY 2024-2025. Accordingly, learners who have enrolled for a two year Postgraduate/Master Degree programme may opt for the exit option at the end of first year of the Postgraduate/Master Degree programme and earn a PG Diploma. However, 'PG Diploma' shall be awarded to enrolled learner who have successfully complete first year of the programmes and also

have earned the requisite credits in first year including 'On Job Training (OJT)/Field Projects (FP) in the respective major courses. The learners are advised to check website regularly for updates and other announcements.

2. As per NEP 2020, the exit option at the end of each year of the undergraduate programme will commence from AY 2026-2027. Multiple entry and exit points with options for re-entry, accompanied by appropriate certifications feature of undergraduate **B.Sc. (Honours) programme offers** vertical mobility and flexibility to the learners.

CYBER SECURITY

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. The student must complete this **online non-credit audit course** within **03 years** of their admission to a degree programme. Only after passing the 'Cyber Security' course, students will get their degree certificate. The attached Appendix 7 provides detailed information in this regard.

IBM CERTIFICATE PROGRAM IN EMERGING TECHNOLOGIES

The **'Certificate Program in Emerging Technologies'**, offered as an IBM-certified course, is a comprehensive **180** hour program designed to introduce learners to the most transformative and cutting-edge technologies shaping today's digital landscape. The course covers ten key areas—Cybersecurity, Block chain, Data Science, 5G Technology, Cloud Computing, Edge Computing, Internet of Things (IoT), Artificial Intelligence (AI), Augmented Reality (AR) & Virtual Reality (VR), and Quantum Computing. Each module provides both foundational knowledge and practical insights, enabling learners to understand the core concepts, analyze industry trends, and apply these technologies to solve real-world challenges. The programme is particularly relevant for sectors such as healthcare, finance, smart cities, and autonomous systems. By the end of the course, learners will be equipped with future-ready skills and the ability to think critically about the ethical and societal impacts of emerging technologies. The attached Appendix 8 provides detailed information in this regard.

END EXAMINATION AND EVALUATION FEES

As per Finance committee subject no. 3 dated 27.03.2023 and Board of Management (BoM) resolution no. 187.3.20 dated 30.03.2023 the **Revised fees for the following services related to end examination and evaluation, are effective from** 1st July 2023.

SN	Description of Service	Fee in Indian Rupees₹ (Includes Postal Charges)
1	Re-registration fee	500.00
2	Course change fee	100.00
3	Profile change fee	300.00
4	Migration Certificate fee	400.00
5	Duplicate Statement of Marks (Marksheet)	200.00
6	Duplicate degree/ Diploma Certificate	400.00
7	Photocopy/Scan copy of Answer Sheets per copy by Email only	300.00
8	Verification of Marks (Per Subject)	100.00
9	Revaluation of Answer book per Subject	500.00
10	Transcript Certificate	
	(i) First Copy (Delivery in India)	1850.00
	(ii) For Outside India	2800.00
	(iii) For Every Additional Copy	400.00
11	Verification of Educational Documents	400.00
12	Medium of Instruction Certificate	400.00
13	Conversion Certificate	400.00
14	Admission Late fee	100.00
15	Admission Super Late fee	300.00
16	Repeater Student Exam Fees Per Subject (PG/Tech/Professional)	200.00
17	Repeater Student Practical/Studio Work Exam Fees	220.00 per Course (Subject)
18	Repeater Student Project work Exam Fees	330.00 per Course (Subject)
19	Study centre change fees	300.00
20	Bonafied fees	50.00
21	Repeater Student Continuous Assessment(CA)/HA Fee per Theory course (Academic Council Resolution No 67.4.1, dated 9 Apr 2025)	50.00

CONVOCATION

AWARD OF CERTIFICATION

After successful completion of all subjects at all semesters of the academic programme and only after student comply with the 'Certification Eligibility' specified for the academic programme, respective certification (like Diploma, UG Degree, PG Diploma, PG Degree, PhD) may be awarded, in person or absentia, during the next convocation. But, the application by the student for the convocation along with the payment for the specified "Convocation Fee" shall be necessary. For more information, visit **here**.

MIGRATION CERTIFICATE

Do learners need to apply for a Migration Certificate?

Click the link below to fill online Migration Form available at University website

Online Migration Form

TRANSCRIPT

Do learners know the guidelines/Procedure for getting Transcript and Application Form for Transcript?

Click the link below to fill Application Form available at University website

Online Transcript Form

CONTACT US

WHOM TO CONTACT

University contact details are as follows:

Yashwantrao Chavan Maharashtra Open University (YCMOU)
Dnyangangotri, Near Gangapur Dam, Nashik – 422 222, MH, India
Phone: 0253 – 2231473, 2231714, 2231715, 2230227
Fax: 0253-2231716
http://www.ycmou.ac.in

1. As per the type of query, you may contact following sections / officers of the university.
2. **Always include following all details** along with your query:
    a. Your Full Name
    b. Your Student ID and Permanent Registration Number (PRN)
    c. Your Programme Code and Name
    d. Your LSC/ Study Center Code and Name

Contact Points at Study Centre and YCMOU

Type of Difficulties / Problems	Contact Points
Difficulties in any course and planning of academic activities at the Study Centre	The Counsellor / Coordinator or LSC/ Study Center Head at Study Centre
Registration Related Matters	Registration Head **nondani@ycmou.digitaluniversity.ac** Ph: (0253) 2230229. 9403774551
Student Services, Study Centre Related Matters/ Grievances	Director, Student Service Division **dir_ssd@ycmou.digitaluniversity.ac** Ph: (0253) 2231487
Evaluation Related Matters / Grievances	Director, Evalutaion **dir_eval@ycmou.digitaluniversity.ac**
Examination Conduction, Online Exam Form, etc Related Matters	Assistant Registrar Examination Unit 3 Ph: (0253) 2230013 **Result: result@ycmou.digitaluniversity.ac**
Examination, result and convocation related Matters/ Grievances	The Controller of Examination **coe@ycmou.digitaluniversity.ac** Ph: (0253) 2231479/2230058
Academic Matters / Study Centre Related Problems	School of Sciences Ph : (0253) 2231473 **director.ast@ycmou.ac.in**
Grievances related to Academic Matters/ Study Centre	Director School of Sciences Ph: (0253) 2231473 **director.ast@ycmou.ac.in**

REGIONAL CENTERS

Following table provides contact information of **8** regional centers of the university.

SN	Regional Center [For Districts]	Address	Contact Details
1	Amaravati [Akola, Amravati, Buldhana, Yavatmal, Washim]	V.M.V to Walgaon Road, Post V.M.V, **Amravati - 444604**	(M): 9422247292 Off:0721-2531445/0721-2531210 Fax: 0721-2531444 Email: **rd_amravati@ycmou.digitaluniversity.ac**
2	Chhatrapati Sambhajinagar [Chhatrapati Sambhajinagar, Beed, Jalna & Dharashiv]	Sr. No. 41, East side of Military Boys Hostel, Nandanvan Colony, Chhavni, **Chhatrapati Sambhajinagar - 431002**	(M): 9422247293 Off: 0240-2371066/0240-2371077 Fax: 0240-2371088 Email: **rd_aurangabad@ycmou.digitaluniversity.ac**
3	Kolhapur [Kolhapur, Sangli, Ratnagiri, Sindhudurg]	Shivaji University Campus, Near Post Office, Vidyanagar, **Kolhapur - 461004**	(M): 9422247294 Off: 0231-2607022 Fax: 0231-2607023 Email: **rd_kolhapur@ycmou.digitaluniversity.ac**
4	Mumbai [Mumbai city, Mumbai suburban, Thane, Raigad, Palghar]	C/O, Jagannath Shankarsheth Municipal School Buidling, 2nd Floor, Fraier Bridge (South), Nana Chowk, Grant Road, **Mumbai - 400007**	(M): 9967834965 Off: 022-23874180/23874183/23874177 Fax: 022-23874187 Email: **rd_mumbai@ycmou.digitaluniversity.ac**
5	Nagpur [Nagpur, Bhandara, Gondia, Chandrapur, Gadchiroli, Wardha]	Ravbahadur D. Laxminarayan Bunglow, Vidyapith Krida Parisar, Law College Campus, Ravinagar Chowk, **Nagpur - 440001**	(M): 9422247295 Off: 0712-2553724 Fax: 0712-2553725 Email: **rd_nagpur@ycmou.digitaluniversity.ac**
6	Nanded [Nanded, Latur, Parbhani, Hingoli]	Swami Ramanand Tirth Marathwada Vidyapeeth Campus, Nanak Kaman, Zari Road, Vishnupuri, **Nanded - 431 606**	(M): 9422247296 Off: 02462-229940 Fax: 02462-229950 Email: **rd_nanded@ycmou.digitaluniversity.ac**
7	Nashik [Nashik, Ahmednagar, Dhule, Jalgaon, Nandurbar]	Old Municipal Corporation Building, 2nd Floor, New Pandit Colony, **Nashik – 422002**	(M): 9422247297 Off: 0253-2317063 Fax: 0253-2576756 Email: **rd_nashik@ycmou.digitaluniversity.ac**
8	Pune [Pune, Satara, Solapur]	C/o Shahir Annabhau Sathe Prashala, Municipal School No 5, 654, Sadashiv Peth, Kumthekar Marg, **Pune - 411030**	(M): 9422247298 Off: 020-24457914 Fax: 020-24491107 Email: **rd_pune@ycmou.digitaluniversity.ac**

LEARNER SUPPORT CENTERS

Learner Support Centers/ Study Centers details for all Programmes on offer and for withdrawn programmes are separately given in the document "School of Sciences Learner Support Centers (LSC) Details 2024" and already available at university website. The document "School of Sciences Learner Support Centers (LSC) Details 2025" will be made available at university website.

APPENDICES

APPENDIX 1: GR COPIES FOR LEARN & EARN SCHEME

यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ आणि अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी ॲंड मॅनेजमेन्ट, ठाणे यांच्या संयुक्त विद्यमानाने चालविण्यात येणा-या "शिका व कमवा" या योजनेसाठी शासनाची मान्यता प्रदान करण्याबाबत..

महाराष्ट्र शासन
उच्च व तंत्र शिक्षण विभाग
शासन निर्णय क्र. मान्यता-२०१७/(१८८/१७) /विशि-३
मादाम कामा रोड, हुतात्मा राजगुरु चौक,
मंत्रालय विस्तार भवन, मुंबई ४०० ०३२.
दिनांक : - १३ मार्च, २०१८.

वाचा- १. शासन निर्णय उच्च व तंत्र शिक्षण विभाग क्र, टिईडी २०१०/(१४४/१०)/तांशि-५, दि. २६ जुलै, २०१०.

२. संचालक, तंत्रशिक्षण महाराष्ट्र राज्य मुंबई यांचे पत्र क्र.१०/एनजीपी/शिका व कमवा/२०१५/२७१, दि. १.४.२०१५ व क्र.१०/एनजीपी/शिका व कमवा/२०१५/४४६, दि. १९.५.२०१५.

३. शासन निर्णय उच्च व तंत्र शिक्षण विभाग क्र, मान्यता-२०१४/(१४७/१४)/तांशि-५, दि. २९ मे,२०१५.

४. कुलगुरु, यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक यांचे इरादा पत्र, दि. ३० मार्च, २०१७.

प्रस्तावना :-

कुलगुरु, यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ,नाशिक यांनी दि. ३१ मार्च, २०१७ रोजी च्या पत्रान्वये अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी ॲंड मॅनेजमेन्ट,ठाणे यांना काही अभ्यासक्रम सुरु करण्याचे इरादापत्र प्रदान केले आहे. सदर इरादा पत्रातील तरतूदीनुसार राज्यामध्ये यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठामार्फत चालविण्यात येणा-या पदविका स्तरावरील १. डिप्लोमा इन इशेन्शशियल स्कील्स (Diploma in Essential Skills), २. डिप्लोमा इन बीझनेस स्कील्स (Diploma in Business Skills), आणि ३. डिप्लोमा इन इंडेस्ट्रीयल स्कील्स (Diploma in industrial Skills) हे तीन अभ्यासक्रम, अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी ॲंड मॅनेजमेन्ट,ठाणे यांच्या संयुक्त विद्यमाने "शिका व कमवा" या उपक्रमांतर्गत राबविण्यात येणार आहेत.

केंद्र शासनाच्या स्किल इंडिया या अभियानांतर्गत अधिकाधिक कुशल कामगारांची निर्मिती करणे त्यासाठी नवनवीन कौशल्य प्रशिक्षण अभ्यासक्रम सुरु करण्यात येत आहेत. यापूर्वीच व्यवसायिक, रिटेल, औद्योगिक इ. क्षेत्रामध्ये काम करीत असलेल्या विद्यार्थ्यांना किंवा औद्योगिक क्षेत्रामध्ये सामावून घेणा-या प्रशिक्षणार्थ्यांना स्किल डेव्हलपमेंट या कार्यक्रमात सहभाग करुन घेणे

क्रमप्राप्त ठरणार आहे. याकरीता सार्वजनिक क्षेत्र व खाजगी क्षेत्र यांनी आपापसात भागीदारी तत्वावर काम करणे आवश्यक आहे. ही बाब विचारात घेऊन यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ आणि अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी ॲंड मॅनेजमेन्ट,ठाणे यांच्या संयुक्त विद्यामाने "शिका व कमवा" ही योजना अंमलात येणार आहे. या योजनेअंतर्गत अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी ॲंड मॅनेजमेन्ट,ठाणे या संस्थेकडून काही नामवंत उद्योगांबरोबर सामंजस्य करार (MOU) केले जाणार आहेत. या माध्यमातून पदविका स्तरावरील अभ्यासक्रम राज्यभरात गरीब विद्यार्थ्यांना शिकत असताना on the job प्रशिक्षण देऊन त्यांना उद्योगधंदे व व्यवसायांमध्ये सामावून घेण्यात येणार आहे. या कालावधीत त्यांना विद्यावेतन देखील देण्यात येणार आहे. त्यामुळे गरीब विद्यार्थ्यांना मोफत पायाभुत स्वरुपाचे (Basic) उपयोजित तंत्र शिक्षण, कौशल्य शिक्षण, लेखा विषयक शिक्षण इत्यादि कौशल्यांची प्राप्ती होणार असून विद्यार्थ्यांना विद्यावेतन देखील प्राप्त होणार आहे. या उपक्रमांतर्गत येणारा संपूर्ण खर्च उपभोक्ता म्हणून उद्योजकांकडून सोसण्यात येणार आहे. त्यामुळे प्रत्यक्षात शासनावर कोणत्याही प्रकारचा आर्थिक भार पडणार नाही.

त्याच धर्तीवर यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक आणि अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी ॲंड मॅनेजमेन्ट,ठाणे यांच्या संयुक्त विद्यमाने चालविण्यात येणा-या "शिका व कमवा" या योजनेला शासनाचे सहकार्य देण्याबाबतचा प्रस्ताव शासनाच्या विचाराधीन होता. उक्त प्रस्तावाचा सर्वांगीण विचार करुन शासन खालीलप्रमाणे निर्णय घेत आहे.

शासन निर्णय :-

यशवंतराव चव्हाण मुक्त विद्यापीठ आणि अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी ॲंड मॅनेजमेन्ट, ठाणे यांच्या दरम्यान "शिका व कमवा" या उपक्रमांतर्गत <u>पदविका</u> स्तरावरील प्रशिक्षणाकरिता १. डिप्लोमा इन इशेन्शशियल स्कील्स (Diploma in Essential Skills), २. डिप्लोमा इन बीझनेस स्कील्स (Diploma in Business Skills), आणि ३. डिप्लोमा इन इंडेस्ट्रीयल स्कील्स (Diploma in industrial Skills) हे तीन अभ्यासक्रम राबविण्यासाठी विद्यापीठाने सदर संस्थेस दिलेल्या इरादापत्रास शासनाची मान्यता प्रदान करण्यात येत आहे.

२. ही शासन मान्यता खालील अटी व शर्तीच्या अधिन राहून देण्यात येत आहे :-

१) "शिका व कमवा" या उपक्रमातर्गत सहभाग असलेल्या सर्व विद्यार्थ्यांना on the job training (कामावर असतानाचे प्रशिक्षण) उद्योग व व्यवसाय मध्ये देण्यात येते. सदर शिक्षण पूर्ण झाल्यानंतर त्यांना पदविका प्रमाणपत्र यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठामार्फत देण्यात येणार आहे. ही बाब विचारात घेऊन, प्रशिक्षणार्थींना "Apprenticeship Act, १९६१" मधील तरतूदीचे तंतोतंत पालन करण्याच्या अटीच्या अधीन राहून अभ्यासक्रमाच्या कालावधीत Apprentice म्हणून संबोधण्यात यावे.

पृष्ठ ४ पैकी २

२) उक्त प्रशिक्षणार्थींचा प्रशिक्षणाचा कालावधी २ वर्षापलिकडे जाणार नाही याची काळजी विद्यापीठाने घ्यावी. तसेच विद्यार्थ्यांना "Apprenticeship Act, १९६१" मधील तरतूदीनुसार अनुज्ञेय ठरविलेले किमान विद्यावेतन किंवा उद्योजक यापेक्षा जास्त विद्यावेतन देऊ इश्चित असेल तर ते विद्यावेतन संबंधित उद्योजक यांजकडून देण्यात यावे.

३) विद्यार्थ्यांसाठी साधन सामग्री, पाठ्यपुस्तके व साहित्य इत्यादी आणि प्रशिक्षणावरील इतर सर्व खर्चाचा भार ज्या उद्योगांच्या कारखान्यामध्ये विद्यार्थी प्रशिक्षण घेत असतील त्या उद्योजक आस्थापना किंवा अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी ॲंड मॅनेजमेन्ट,ठाणे हे सोसतील.

४) सर्व सहभागी विद्यार्थ्यांचा विमा उतरविण्यात यावा तसेच त्यांच्या सुरक्षितता व वैद्यकीय देखभाली संदर्भात आवश्यक त्या उपाययोजना कराव्यात.

५) उपलब्ध सुविधांचा विचार करुन या योजनेमध्ये सहभागी होण्याचा निर्णय विद्यापीठाच्या सहमतीने घेण्याची मुभा अन्य संस्थांना राहील. यासाठी संस्थांनी आवश्यकतेनुसार अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी ॲंड मॅनेजमेन्ट,ठाणे या संस्थेशी स्वतंत्र करारनामा करावा.

६) या अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी ॲंड मॅनेजमेन्ट,ठाणे संस्थेच्या पदाधिका-यांकडून चांगल्या वर्तणूकीची हमी घेण्यात यावी. तसेच सदर अभ्यासक्रमांचा दर्जा व गुणवत्ता ही अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी ॲंड मॅनेजमेन्ट,ठाणे यांच्यामार्फत उत्तम राखली जाईल याची खात्री विद्यापीठाने करावी व तिचे संनियंत्रण करावे. गैरव्यवहार, दर्जा न राखणे या व अशा अन्य स्वरुपाच्चया योग्य (Valid) कारणांसाठी हे अभ्यासक्रम राबविण्यास दिलेली मान्यता रद्द करण्याचे अधिकार शासनास राहतील.

७) या सुविधा यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक यांच्यामार्फत अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी ॲंड मॅनेजमेन्ट, ठाणे या संस्थेस अभ्यासक्रम चालविण्यासाठी दिलेल्या मान्यतेच्या कालावधीपुरत्या मर्यादित राहतील.

८) या अभ्यासक्रमांच्या मान्यतेच्या/कार्यपध्दतीच्या अनुषंगाने भविष्यात काही गुंतागुंत झाल्यास/ न्यायालयीन प्रकरण उद्भवल्यास त्याची संपूर्ण जबाबदारी यशवंतराव चव्हाण मुक्त विद्यापीठची राहील.

९) शासनास आवश्यक असेल त्यावेळी शासनकडून नवीन अटी व शर्ती घालण्यात येतील.

१०) वरील सर्व अटी व शर्ती मान्य असल्याचे बंधनपत्र संस्थेने विद्यापीठास तसेच शासनास सादर करणे आवश्यक राहील.

पृष्ठ ४ पैकी ३

३. सदर शासन निर्णय, महाराष्ट्र शासनाच्या www.maharashtra.gov.in या संकेतस्थळावर उपलब्ध करण्यात आला असून त्याचा संकेतांक क्रमांक २०१८०३१३१७५११९७७०८ असा आहे. हा आदेश डिजीटल स्वाक्षरीने साक्षांकित करुन काढण्यात येत आहे.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने,

Sanjay A. Dharurkar

Digitally signed by Sanjay A. Dharurkar
DN: c=IN, o=Government Of Maharashtra, ou=Higher and Technical Education Department, postalCode=400032, st=Maharashtra, 2.5.4.20=637145fd393d6d5c713a94e6da7bc6bee2301144882b7c64d138631db9c76ae7a2, cn=Sanjay A. Dharurkar
Date: 2018.03.13 17:53:05 +05'30'

(सं. औ. धारुरकर)
अवर सचिव, महाराष्ट्र शासन

प्रति,

१. कुलगुरु, यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक.
२. संचालक, उच्च शिक्षण, पुणे.
३. संचालक, तंत्र शिक्षण संचालनालय, महाराष्ट्र राज्य, मुंबई.
४. संचालक, व्यवसाय शिक्षण व प्रशिक्षण, मुंबई.
५. संचालक, महाराष्ट्र राज्य तंत्रशिक्षण मंडळ, वांद्रे(पू) मुंबई.
६. मा. मंत्री (उ.व. तं. शि.) यांचे विशेष कार्यकारी अधिकारी, मंत्रालय, मुंबई.
७. मा. अप्पर मुख्य सचिव, उच्च व तंत्र शिक्षण विभाग यांचे स्वीय सहाय्यक.
८. श्री. सुधीर दिक्षीत, अध्यक्ष, अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अॅड मॅनेजमेन्ट,६०१, पॅराडॉइज टॉवर ,ठाणे (पश्चिम) ४०० ६०१.
९. निवड नस्ती..

APPENDIX 2: UGC RECOGNITION (1992)

APPENDIX 1

APPENDIX 1.1 : LETTER OF RECOGNITION FROM UGC

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. MOJ/ 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, Stat, U.G.C. New Delhi.
6. All Officers /Sections, UGC New Delhi.

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

APPENDIX 3 : UGC EQUIVALENCE LETTER (2004)

ज्ञान-विज्ञानं विमुक्तये

विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली - ११०००२
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110002

F1-52/2000(CPP-II)

5 MAY 2004

The Registrar / Director
Of all the Indian Universities
(Deemed, State, Central Universities /
Institutions of National importance)

Subject : Recognition of Degrees awarded by Open Universities.

Sir/Madam,

There are a number of open Universities in the country offering various degrees/diploma through the mode of non-formal education. The Open Universities have been established in the country by an Act of Parliament or State Legislature in accordance with the provisions contained in Section 2(f) of University Grants Commission Act, 1956. These universities are, therefore, empowered to award degrees in terms of Section 22(1) of the UGC Act, 1956.

A circular was earlier issued vide UGC letter N.F.1-8/92(CPP) dated February, 1992 mentioning that the Certificate, Diplomas and Degrees awarded by Indira Gandhi National Open University are to be treated equivalent to the corresponding awards of the Universities in the country.

Attention is further invited to UGC circular No.F1-25/93(CPP-II) dated 28th July, 1993 (copy enclosed) for recognition of degrees and diplomas as well as transfer of credit for courses successfully completed by students between the two types of universities so that the mobility of students from Open University stream to traditional Universities is ensured without any difficulty.

The UGC has specified the nomenclature of degrees under Section 22(3) of the UGC Act, 1956 to ensure mandatory requirements viz. minimum essential academic inputs required for awarding such degrees. A copy of Gazette Notification regarding specification of degrees issued vide No.1-52/97(CPP-II) dated 31st January 2004 is enclosed. The details are also given in UGC Web site : www.ugc.ac.in

May, I therefore request you to treat the Degrees / Diploma / Certificates awarded by the Open Universities in conformity with the UGC notification on Specification of Degrees as equivalent to the corresponding awards of the traditional Universities in the country.

Yours faithfully
(Dr. Mrs. Pankaj Mittal)
Joint Secretary

Encl. : As Above
Copy to :

1. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary Education and Higher Education, Shastri Bhavan, New Delhi-110001.
2. The Secretary, All Indian Council for Technical Education, I.G. Sports Complex, Indraprastha Estate, New Delhi-110002.
3. The Secretary, Association of Indian Universities (AIU), 16, Comrade Inderjit Gupta Marg (Kotla Marg), New Delhi-110002.
4. The Secretary, National Council for Teacher Education, I.G. Stadium, I. P. Estate, New Delhi-110002.
5. The Director of Distance Education Council, IGNOU Campus, Maidan Garhi, New Delhi-110068.
6. The Vice-Chancellor, Indira Gandhi National Open University, Maidan Garhi, New Delhi-110068.
7. The Vice-Chancellor, Dr. B. R. Ambedkar Open University, Road, No. 46, Jubilee Hills, Hyderabad-500033. (AP)
8. The Vice-Chancellor, Nalanda Open University, West Gandhi Maidan, Patna-800001 (Bihar)
9. The Vice-Chancellor, Dr. Babasaheb Ambedkar Open University, Shahigaug, Ahmedabad-380003 (Gujarat)
10. The Vice-Chancellor, Karnataka State Open University, Manasagangotri, Mysore-570006 (Karnataka)
11. The Vice-Chancellor, Yashwantrao Chavan Maharashtra Open University, Nashik-422222 (Maharashtra)
12. The Vice-Chancellor, Kota Open University, Vardhaman Mahaveer Open University, Kota-324010 (Rajasthan)
13. The Vice-Chancellor, Netaji Subhash Open University, Kolkata-700020 (West Bengal)
14. The Vice-Chancellor, Madhya Pradesh Bhoj (Open) University, Bhopal-462016 (M.P.)

(V.K. Jaiswal)
Under Secretary

APPENDIX 4 : GOVERNMENT OF MAHARASHTRA GR (1995)

मुक्त विद्यापीठाच्या पदव्यांना समकक्षता व शासनमान्यता

(१) **अन्य विद्यापीठांच्या पदवीशी समकक्षता**

मा. शिक्षण संचालक (उच्च शिक्षण) महाराष्ट्र राज्य यांच्या पत्र क्र. समक (उ. शि.)/१०९४/३२८६१/मवि-१, दि. ३० ऑक्टोबर १९९५ च्या पत्रान्वये 'केंद्रीय किंवा राज्य विधिमंडळाने अधिनियमाद्वारे भारतातील विद्यापीठाने दिलेली पदवी/पदविका आणि संसदेने अधिनियमाद्वारे इतर शैक्षणिक संस्था प्रस्तावित केलेल्या आहेत किंवा विद्यापीठ अनुदान आयोग अधिनियम (१९५६) मधील कलम क्र. ३ अन्वये मानीव विद्यापीठे घोषित केली आहेत अशांच्या बाबतीत पदवी किंवा पदविका मान्यता देण्याबाबतचे औपचारिक आदेश विद्यापीठाने काढण्याची आवश्यकता नाही'.

यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ हे महाराष्ट्र राज्याच्या विधिमंडळाने अधिनियमाद्वारे (कायदा क्र. २०/१९८९) स्थापन केलेले विद्यापीठ असून त्यास विद्यापीठ अनुदान आयोगाचीही मान्यता आहे. **त्यामुळे या विद्यापीठाची पदवी इतर विद्यापीठांच्या पदवीशी समकक्ष आहे.**

(२) **विद्यापीठ अनुदान आयोगाची मान्यता**

विद्यापीठ अनुदान आयोग, नवी दिल्ली यांनी त्यांचे पत्र क्र. F/S-15/89 (CPP-I) दि. ८ डिसेंबर १९९२ नुसार विद्यापीठ अनुदान आयोगाच्या १९५६ च्या कायद्यातील कलम १२-बी अन्वये यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठास मान्यता दिली आहे.

(३) **महाराष्ट्र लोकसेवा आयोगाची मान्यता**

उपसचिव व परीक्षा नियंत्रक, महाराष्ट्र लोकसेवा आयोग, मुंबई यांच्या पत्र क्र. १४७७ (१७/१९९४/कक्ष) **दि. १७ फेब्रुवारी १९९४ च्या पत्रातील मान्यतेसंबंधीचा मजकूर - 'यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ हे संविधिमान्य (Statutory) असल्यामुळे आपल्या विद्यापीठाच्या पदवीधर विद्यार्थ्यांकडून आलेले अर्ज देखील इतर मान्यताप्राप्त विद्यापीठांच्या पदवीधर उमेदवारांकडून आलेल्या अर्जांप्रमाणेच आयोगाकडून विचारात घेतले जातील'**

मुक्त विद्यापीठाच्या पदवी/पदविकांना महाराष्ट्र शासनमान्यता

विद्यापीठ अनुदान आयोगाने मान्यता दिलेली विद्यापीठे

राज्य सेवेतील पदासांठी पदवी/पदविकास मान्यता

महाराष्ट्र शासन

सामान्य प्रशासन विभाग

शासन निर्णय : क्रमांक आरजीडी-१३९४/प्र.क्र. २१/९४/१३,मंत्रालय, मुंबई ४०००३२, दिनांक ८ मार्च १९९५

वाचा : (१) सामान्य प्रशासन विभाग, शासन निर्णय क्रमांक आरजीडी-१०६१/१८९६७/११४ - जे दिनांक २१ ऑगस्ट १९६९

शासन निर्णय : महाराष्ट्र लोक सेवा आयोगाशी विचार विनिमय करून उपरोक्त दिनांक २१ ऑगस्ट १९६९ च्या आदेशाद्वारे असा निर्णय घेण्यात आला होता की, केंद्र अथवा राज्य विधिमंडळाच्या अधिनियमाद्वारे स्थापित झालेली विद्यापीठे, संसदेच्या अधिनियमाद्वारे स्थापन झालेल्या इतर शैक्षणिक संस्था, किंवा विद्यापीठ अनुदान आयोग अधिनियम, १९५६ च्या अंतर्गत भाग ३ अन्वये जाहीर झालेली मानवी विद्यापीठे यांनी प्रदान केलेल्या पदव्या / पदविका तसेच भारतीय वैद्यकीय मंडळ अधिनियम, १९५६ च्या परिशिष्टांमध्ये अंतर्भूत केलेल्या वैद्यकीय व संलग्न विषयामधील पदव्या यांना शासकीय महाविद्यालयातील अध्यापकीय पदे वगळता, **राज्यातील सेवा व पदांवरील भरतीसाठी आपोआप मान्यता प्राप्त झाली असल्याचे समजण्यात यावे.**

(२) सदर आदेशासोबत विद्यापीठ अनुदान आयोगाने मान्यता दिलेल्या वैधानिक विद्यापीठे व संस्थांची यादी जोडण्यात आली होती. आयोग मान्यताप्राप्त विद्यापीठे व संस्था यांची अद्ययावत यादी आता या आदेशासोबत जोडण्यात आली आहे. शासन निर्णय, सामान्य प्रशासन विभाग, क्रमांक आरजीडी - १०६१/१८९६७/९१४/जे दिनांक २१ ऑगस्ट १९६९ मध्ये नमूद केलेल्या आणि वर परिच्छेद १ मध्ये उद्धृत केलेल्या हेतूसाठी सदर सर्व विद्यापीठे/संस्था यांनी प्रदान केलेल्या पदवी/पदविकांना आपोआप मान्यता देण्यात आल्याचे समजण्यात यावे.

महाराष्ट्रचे राज्यपाल यांच्या आदेशानुसार व नावाने

दा. र. राणे

अवर सचिव, महाराष्ट्र शासन

प्रति,

(१) राज्यपालांचे सचिव
(२) मुख्य मंत्र्यांचे सचिव
(३) सचिव, महाराष्ट्र लोकसेवा आयोग, मुंबई
(४) महालेखापाल, महाराष्ट्र-१, मुंबई
(५) महालेखापाल, महाराष्ट्र -२, मुंबई
(६) निवासी लेखा परीक्षा अधिकारी, मुंबई
(७) अभिदान व लेखा अधिकारी, मुंबई
(८) प्रबंधक, उच्च न्यायालय (मूळ न्याय शाखा), मुंबई
(९) प्रबंधक, उच्च न्यायालय (अपील शाखा), मुंबई
(१०) प्रबंधक, लोक आयुक्त व उप लोक आयुक्त यांचे कार्यालय, मुंबई
(११) सर्व मंत्रालयीन शिक्षण
(१२) मंत्रालयीन विभागांच्या नियंत्रणांच्या नियंत्रणाखालील सर्व विभाग प्रमुख व कार्यालय प्रमुख
(१३) अवर सचिव, भारत सरकार, शिक्षण मंत्रालय, नवी दिल्ली
(१४) निवड नस्ती

वाचा : महाराष्ट्र शासनाच्या उपरोक्त शासन निर्णय क्रमांक आर.जी.डी. १३९४/प्र.क्र.२१/९४/१३ मंत्रालय, मुंबई. दिनांक ८ मार्च १९९५ च्या सोबत जोडलेल्या यादीमध्ये यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक यांची अनुक्रमांक १४६ वर नोंद करण्यात आलेली आहे.

APPENDIX 5: ADMISSION FOR MORE THAN 1 PROGRAMME

https://www.ugc.gov.in/pdfnews/9651619_LETTER-GUIDELINES-FOR-PURSUING-TWO-ACADEMIC-PROGRAMMES-SIMULTANEOUSLY.pdf

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

https://www.ugc.gov.in/pdfnews/5729348_Guidelines-for-pursuing-two-academic-programmes-simultaneously.pdf

Guidelines for Pursuing Two Academic Programmes Simultaneously



University Grants Commission
Bahadur Shah Zafar Marg
New Delhi

April, 2022

Guidelines for Pursuing Two Academic Programmes Simultaneously

Background

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 proposals 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 following Guidelines.

Objectives

To allow the students to pursue two academic programmes simultaneously keeping in view the following objectives envisaged in NEP 2020:

- recognizing, identifying, and fostering the unique capabilities of each student, by sensitizing teachers as well as parents to promote each student's holistic development in both academic and non-academic spheres;
- no hard separations between arts and sciences, between curricular and extra-curricular activities, between vocational and academic streams, etc. in order to eliminate harmful hierarchies among, and silos between different areas of learning;

- multidisciplinarity and a holistic education across the sciences, social sciences, arts, humanities, and sports for a multidisciplinary world in order to ensure the unity and integrity of all knowledge;
- enabling an individual to study one or more specialized areas of interest at a deep level, and also develop character, ethical and constitutional values, intellectual curiosity, scientific temper, creativity, spirit of service.
- offering the students, a range of disciplines including sciences, social sciences, arts, humanities, languages, as well as professional, technical, and vocational subjects to make them thoughtful, well-rounded, and creative individuals.
- preparing students for more meaningful and satisfying lives and work roles and enable economic independence.

Guidelines

1. A student can pursue two full time academic programmes in physical mode provided that in such cases, class timings for one programme do not overlap with the class timings of the other programme.
2. A student can pursue two academic programmes, one in full time physical mode and another in Open and Distance Learning (ODL)/Online mode; or up to two ODL/Online programmes simultaneously.
3. Degree or diploma programmes under ODL/Online mode shall be pursued with only such HEIs which are recognized by UGC/Statutory Council/Govt. of India for running such programmes.
4. Degree or diploma programmes under these guidelines shall be governed by the Regulations notified by the UGC and also the respective statutory/professional councils, wherever applicable.
5. These guidelines shall come into effect from the date of their notification by the UGC. No retrospective benefit can be claimed by the students who have already done two academic programmes simultaneously prior to the notification of these guidelines.

The above guidelines shall be applicable only to the students pursuing academic programmes other than Ph.D. programme.

Based on the above guidelines, the universities can devise mechanisms, through their statutory bodies, for allowing their students to pursue two academic programmes simultaneously as mentioned above.

APPENDIX 6: MANDATORY CREATION OF DEB-ID FOR ENROLLING STUDENTS IN ODL/ONLINE PROGRAMMES

DEB ID is a unique ID that is to be mandatorily created by the learner who wishes to get admission in ODL/Online Programme.

Accordingly, students shall register on UGC-DEB webportal with his/her Academic Bank of Credit (ABC)-ID to generate a unique DEB-ID which will be mandatory to enroll in ODL/Online programmes in recognized/entitled HEIs from academic year 2024-25.

For more details click **here**.

APPENDIX 7: MANDATORY COMPLETION OF CYBER SECURITY AUDIT COURSE FOR ALL UG AND PG PROGRAMME

सर्वोत्कृष्ट संशोधनाठी केलेला पेशील ऑफ एक्सलेन्स ऑफ नॉर्थ महाराष्ट्र आंतरराष्ट्रीय दुसऱ्या पुरस्काराने सन्मानित

यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक

ज्ञानगंगोत्री, गोवर्धन, गंगापूरधरणाजवळ, नाशिक-422 222.

दूरध्वनी : (0253)2231714, 2231715, 2230717, 2230227, 2231478

Web Site: http://ycmou.digitaluniversity.ac

Ref. No-SOL/353/Sept Date: 24/ 09/2024

To
All Students,

Subject: Mandatory Completion of Cyber Security Audit Course for All UG and PG Programs

This is to inform all students that, in accordance with the university's policies, it is now mandatory to complete the Cyber Security course to fulfill the requirements for any undergraduate (UG) or postgraduate (PG) program. This course is crucial for enhancing students' awareness of cyber security and ensuring the safe use of technology.

Important Details:

1. **Program Name:** Cyber Security
2. **Program Requirement:** Mandatory for completion of UG and PG programs
3. **Fees:** 500/-
4. **Last Date of Course Admission** :
5. **Course completion duration:** 3 years from the time of admission for UG program and 2 years from the time of admission for PG program.
6. **Examination Method:** Online tests

Sr.No	Program Name	Course Name	Program Code	Course Code
1	Cyber Security (UG)-(मराठी)	Cyber Security Course for (UG)-Marathi	C220	CSC102
2	Cyber Security (UG)-(English)	Cyber Security Course for (UG)-English	C219	CSC101
3	Cyber Security (PG)-(मराठी)	Cyber Security Course for (PG)-Marathi	C222	CSC104
4	Cyber Security (PG)- (English)	Cyber Security Course for (PG)-English	C221	CSC103

All students should complete this course within the stipulated time to obtain their degree. To enroll in this course, students must register through the mobile app.
The links are provided below.

Sr.No	Mobile Device	Link
1	Android	https://play.google.com/store/apps/details?id=org.mkcl.ycmoudu
2	IOS	https://apps.apple.com/in/app/ycmou-student/id6475083272

Students are advised to take this notice seriously and adhere to the university guidelines.

Registrar

Dr. Dilip Bharad,

YCM Open University,Nashik

https://www.ugc.gov.in/pdfnews/5458124_Cyber-Security_001.pdf

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.F.1-42/2022(e.Gov) **17th October, 2022**

Subject: Regarding the implementation of Syllabus of Cyber Security Course at Undergraduate and Post Graduate level.

Respected Madam/Sir,

On the occasion of Cyber Jaagrookta Diwas, 06th October, 2022, the University Grants Commission (UGC) launched the Syllabus of Cyber Security Course at Undergraduate and Post Graduate levels **(https://www.ugc.ac.in/e-book/Cyber_Security/mobile/index.html).**

The syllabus aims to create more aware, responsive and responsible digital citizens, thereby contributing effectively to an overall healthy cyber security posture and ecosystem.

In view of the importance of cyber security and for propagating cyber hygiene amongst HEIs, you are requested to take necessary steps for implementation of the Syllabus of Cyber Security Course at Undergraduate and Post Graduate level in all the streams of your esteemed University and also in the affiliated/constituent Colleges.

With kind regards.

Yours sincerely,

(Rajnish Jain)

To

- **The Vice-Chancellors of all Universities**
- **The Principals of all Colleges**

APPENDIX 8: IBM CERTIFICATE PROGRAM IN EMERGING TECHNOLOGIES

(For Updated Information Visit University Website http:// ycmou.ac.in)

यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक
नॅक मानांकित 'अ' श्रेणी
ज्ञानगंगोत्री, गंगापूर धरणाजवळ, 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/2025/462 Date: 23/05/2025

C- 102: IBM Certificate Program in Emerging Technologies

यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठातील बी.ए., बी.कॉम. व इतर शिक्षणक्रमाच्या विद्यार्थ्यांची रोजगार क्षमता वाढावी यासाठी मुक्त विद्यापीठाने 'IBM Certificate Program in Emerging Technologies' हा अधिकच प्रमाणपत्र शिक्षणक्रम पदवी शिक्षणक्रमा बरोबरच करण्याची संधी विद्यार्थ्यांना उपलब्ध करून दिली आहे. मुक्त विद्यापीठाच्या सदर शिक्षणक्रमाला प्रत्येक मॉड्यूलसाठी रू १२९०/- शुल्क तीन वेळा भरण्याची सुविधा असून त्याचे एकूण शुल्क केवळ ३८७०/- रू. आहे.

अभ्यासक्रमाची संरचना: 'IBM Certificate Program in Emerging Technologies' शिक्षणक्रम हा एक ॲडऑन कोर्स असून त्यासाठी ६ श्रेयांक आहेत. हा अभ्यासक्रम IBM च्या ऑनलाईन प्लॅटफॉर्मवर (http://ibm.ice-lms.com) मराठीभाषेमध्ये उपलब्ध करून देण्यात आला आहे. विद्यार्थ्यांना मूळ शिक्षणक्रमा बरोबरच सदर शिक्षणक्रम पूर्ण करता येईल. विद्यार्थ्यांनी हा अभ्यासक्रम पूर्ण केल्यानंतर त्याचे स्वतंत्र प्रमाणपत्र देण्यात येईल. 'IBM Certificate Program in Emerging Technologies' अभ्यासक्रमाची परीक्षा उतीर्ण झाल्यानंतर विद्यार्थ्यांची रोजगार क्षमता वाढेल.

कालावधी: 'IBM Certificate Program in Emerging Technologies' अभ्यासक्रम पूर्ण करण्यासाठी पदवी स्तरावरील शिक्षणक्रमांच्या विद्यार्थ्यांकरिता ०३ वर्ष कालावधी मिळेल. सदर शिक्षणक्रम १८० तासांचा असून विद्यार्थ्यी त्याच्या गतीनुसार किमान कालवधीतही तो पूर्ण करू शकतील.

शुल्क: एकूण शुल्क ३८७०/- असून ते प्रत्येक मॉड्यूलनंतर रू. १२९०/- याप्रमाणे तीन वेळा भरण्याची सुविधा असेल. **(सदरचे शुल्क प्रवेश घेतलेल्या मूळ शिक्षणक्रमाच्या व्यतिरिक्त असेल.)**

नोंदणी: सदर शिक्षणक्रमासाठी मुक्त विद्यापीठाच्या online प्रवेश पोर्टलवरून प्रवेश घेता येईल.

मूल्यमापन: सदर शिक्षणक्रमासाठी कोणतीही अंतिम परीक्षा नसून प्रत्येक मॉड्यूलनंतर सातत्यपूर्ण अंतर्गत मूल्यमापन असेल.

परीक्षा स्वरूप: ऑनलाईन- बहुपर्यायी प्रश्न [Multiple Choice Question (MCQ)].

इमरटस प्रोफेसर कविता साळुंके
संचालक, स्कूल ऑफ डिजिटल एज्युकेशन

Component	Details
Course Title	**IBM Certificate program in Emerging Technologies**
Credits	6 Credits
Type	Certificate
Mode of Delivery	Online
Language	Marathi
Target Audience	B.Sc/ B.A. / B.Com / BBA & Alumni
Duration	180 hrs
About the Course	The **Certificate Program in Emerging Technologies**, offered as an IBM-certified course, is a comprehensive 180 hour program designed to introduce learners to the most transformative and cutting-edge technologies shaping today's digital landscape. The course covers ten key areas—Cybersecurity, Blockchain, Data Science, 5G Technology, Cloud Computing, Edge Computing, Internet of Things (IoT), Artificial Intelligence (AI), Augmented Reality (AR) & Virtual Reality (VR), and Quantum Computing. Each module provides both foundational knowledge and practical insights, enabling learners to understand the core concepts, analyze industry trends, and apply these technologies to solve real-world challenges. The program is particularly relevant for sectors such as healthcare, finance, smart cities, and autonomous systems. By the end of the course, learners will be equipped with future-ready skills and the ability to think critically about the ethical and societal impacts of emerging technologies.
Course Objectives	• Introduce learners to Fundamental emerging technologies (AI, Data Science, Cybersecurity, Blockchain, Cloud, IoT, etc.) and their societal/industrial impact. • Equip students to analyse and address modern digital challenges, including data privacy and cybersecurity, and leverage automation and connectivity. • Develop proficiency in Generative AI and Prompt Engineering for content creation, language tasks, and creative applications. • Foster critical thinking on ethical, cultural, and societal implications of new technologies for responsible use. • Integrate technology skills with arts disciplines, preparing graduates for the evolving job market by enhancing traditional B.A. fields with digital competencies. • Enable students to stay abreast of future tech trends and cultivate lifelong learning habits.
Course Outcomes	• **Explain Key Technologies:** Demonstrate foundational understanding of major emerging technologies and relate them to real-world scenarios. • **Apply Data & AI Skills:** Utilize data science techniques and AI tools for analysis and problem-solving, including content generation. • **Design and Use AI Prompts:** Craft effective prompts and interactions for generative AI models, leveraging advanced techniques. • **Implement Digital Best Practices:** Apply cybersecurity and digital best practices for information protection. • **Integrate Tech in Arts Projects:** Develop and present projects integrating technology with arts/humanities. • **Address Ethical and Social Issues:** Critically evaluate technology's ethical implications and use it responsibly. • **Adapt to an AI-Driven Workplace:** Confidently leverage AI and digital tools for productivity and continuous skill development.
Assessment & Evaluation	• Continuous Online Assessment: (Quizzes, discussions) • Peer-based learning and engagement through forums • Weightage distributed across modules Feedback-based iterative learning (online)
Final Exam	Continuous Online Assessment after each topic

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