

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
CHHATRAPATI SAMBHAJINAGAR.**



**CIRCULAR NO.SU/ M.Sc./Regulation/NEP/56/2023**

It is hereby inform to all concerned that, on the recommendation of the Dean, Faculty of Science & Technology the **Academic Council at its meeting held on 30 September 2023 has accepted and Confirmation in the Academic Council at its meeting held on 30 November 2023 Rules and Regulations Governing for Two Years Post Graduate Degree Programme as per Norms of National Education Policy – 2020** under the Faculty of Science & Technology as appended herewith:-

This shall be effective from the Academic Year 2023-24 and onwards.

All concerned are requested to note the contents of this circular and bring notice to the students, teachers and staff for their information and necessary action.

University Campus,  
Chhatrapati Sambhajinagar  
431 004.

REF.NO.SU/2023/20456-64

Date:- 21.12.2023.

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**Deputy Registrar,  
Academic (Syllabus) Section.**

**Copy forwarded with compliments to :-**

- 1] **The Principal of all concerned Colleges,**  
Dr. Babasaheb Ambedkar Marathwada University,
- 2] **The Director, University Network & Information Centre, UNIC, with a request to upload this Circular on University Website.**

**Copy to :-**

- 1] **The Director, Board of Examinations & Evaluation, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar.**
- 2] The Section Officer, [M.Sc.Unit] Examination Branch, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar
- 3] The Programmer [Computer Unit-1] Examinations, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar.
- 4] The Programmer [Computer Unit-2] Examinations, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar
- 5] The In-charge, [E-Suvidha Kendra], Rajarshi Shahu Maharaj Pariksha Bhavan, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar.
- 6] The Public Relation Officer, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar.
- 7] The Record Keeper, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar.

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
CHHATRAPATI SAMBHAJINAGAR**



**Regulations Governing Two Years Post-graduate Degree Programme**

**As per the National Education Policy-2020**

**Under the Faculty of Science & Technology**

**With effect from Academic Year -2023-2024**



**Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABD**



**Regulations Governing the Choice Based Credit System Semester Scheme with Multiple Entry and Exit Option in the Two years Post-Graduate Degree in the Faculty of Science & Technology as per the NEP-2020**

**1. Preamble**

Education plays a significant role in building a nation. There are quite a large number of educational institutions, engaged in imparting education in our country. However, our present education system is churning out youth who have to compete locally, regionally, nationally as well as globally. The 21st Century has opened up many new challenges in the field of Higher Education. The present alarming situation necessitates transformation and/or redesigning of the system, not only by introducing innovations but developing a “learner- centric” approach. But the majority of our higher education institutions have been following the system which obstructs the flexibility for the students to study the subjects/courses of their choice and their mobility to different institutions. Thus, there is a need to allow flexibility in the education system, so that students depending upon their interests can choose inter-disciplinary, intra-disciplinary and skill-based courses. It should be holistic to train the student into a perfect human being and a useful member of society.

The aim of higher education is to develop good, well rounded and creative individuals. It has to enable an individual to study one or more specialized areas of interest at a deeper level, while at the same time building character, ethical and constitutional values, and intellectual curiosity, spirit of service and capabilities across disciplines including sciences, social sciences, arts, humanities as well as professional, technical and vocational crafts. At the society level higher education must enable development of an enlightened, socially conscious, knowledgeable and skilled nation that can uplift its people and construct and implement solutions to its own problems. It is also to bridge the increasing gap between an undergraduate and post graduate degree and employability.

The New Education Policy (2019) initiated and developed by the Ministry of Human Resource Development (HRD), Govt. of India, has been approved by the Central cabinet on 29th July 2020. The National Education Policy (NEP) has brought several reforms in Indian education which includes broad based multidisciplinary Undergraduate Education with 21st Century skills while

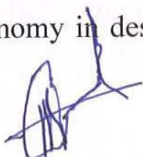


developing specialized knowledge with disciplinary rigor. It is to bring equity, efficiency and academic excellence in National Higher Education System. The important ones include innovation and improvement in course-curricula, introduction of paradigm shift in learning and teaching pedagogy, evaluation and education system.

The role of universities and colleges in the 21<sup>st</sup> Century extends far beyond traditional knowledge creation and dissemination to encompass new expectations for innovations that will have broader, social and economic benefits. To cater to the needs of students with diverse talents, aspirations and professional requirements, it is necessary to make qualitative changes in its undergraduate and postgraduate programs. In this backdrop, the National Education Policy has recommended a Multidisciplinary Undergraduate and post graduate Program with multiple exit and entry options with certificate/Diploma/degrees at each of the exits.

A nationwide ecosystem of vibrant multi-disciplinary graded higher educational institutions (Universities and Colleges) are to be developed. In this context, a liberal approach has to be the basis of higher education in all fields and disciplines at the PG level, including professional education. Undergraduate curriculum needs to be focused on creativity and innovation, critical thinking and higher order thinking capacities, problem solving abilities, team work, communication skills, more in-depth learning and mastery of curricula across fields. The University Grants Commission has asked all the universities in the country to implement the multidisciplinary and holistic education across disciplines for a multidisciplinary world, in all the universities and affiliated colleges. The Maharashtra State Higher Education also communicated general guidelines in this regard. Further, the Maharashtra State Higher and Technical Education has proposed a model curriculum framework and an implementation plan for the State of Maharashtra. It is to suggest and facilitate the implementation of schemes and programs, which improve not only the level of academic excellence but also improve the academic and research environment in the state. The proposed curriculum framework endeavours to empower the students and help them in their pursuit for achieving overall excellence.

The proposed Two years/one year post graduate program, which replaces the current programs of universities in the State. Outcome Based Education (OBE) practices are to be used to design the curriculum. It is proposed to develop Graduate Attributes at appropriate level which will act as common denominator for curriculum across universities. Curriculum shall focus on critical thinking and problem solving. Conscious efforts to develop cognitive and non-cognitive problem-solving skills among the learners shall be part of the curriculum. Use of Bloom's Taxonomy in designing curriculum to move from lower order thinking skills to higher order





thinking skills is a desired option. The programs designed shall empower graduates as expert problem solvers using their disciplinary knowledge and collaborating in multi-disciplinary teams.

The Dr. Babasaheb Ambedkar University, Aurangabad is fit to implement the multidisciplinary and holistic education in all the post-graduate programs, with multiple entry and exit options with multiple certificate/diploma/degrees in the all the Faculties of Dr. B.A. Marathwada University to replace the present PG degree programs effective from the academic year 2023-24. Hence these Regulations. Students will have the option to exit after one year (Two semesters) with a P.G. Diploma **and** after 2-years with the award of the PG **Degree**.

## 2. In this regulation unless context otherwise requires –

Any other definition, word and expression used herein and not defined but defined in *parimateria* such as the Maharashtra Public Universities Act, 2016 and UGC regulations shall have the same meaning as assigned to them in the said enactments.

## 3. Glossary of Terms


**Academic Credit:** An academic credit is a unit by which the course work (theory/ practical/ training) is measured. Each course may be allotted credits in proportion to the time expected to be devoted by the student for that course. Thus, it determines the number of hours of instructions required per week. One credit means the standard methodology of calculating one hour of theory or one hour of tutorial or two hours of laboratory work or one week of internship per week for a duration of a semester (13-15 weeks) resulting in the award of one credit; which is awarded by a higher educational institution on which these regulations apply.

**Academic Bank of Credits (ABC):** ABC is an academic service mechanism as a digital/virtual/online entity established and managed by MoE /UGC to facilitate students to become its academic account holders and paving the way for seamless student mobility between or within degree-granting Higher Education Institutions (HEIs) through a formal system of credit recognition, credit accumulation, credit transfers and credit redemption to promote distributed and flexible teaching-learning.

**Academic Year:** Two consecutive (one odd + one even) semesters constitute one academic year.

**Assessment:** It is the process of collecting, recording, scoring, describing and interpreting information about learning

**Academic Flexibility:** It is the provision for innovative and interchangeable curricular structures to enable creative combinations of Courses/ Programs in Disciplines of study leading to Degree/Diploma/PG Diploma/Certificate of Study offering multiple entry and multiple exit facilities in tune with National Education Policy-2020, while removing the rigid curricular





boundaries and creating new possibilities of life-long learning.

**Affiliated College:** It implies any higher education institution approved by the affiliating university on the basis of the stipulated norms and guidelines by virtue of which it provides for a course/programme of study for obtaining any qualification from a university.

**Autonomous College:** It means any institution, whether known as such or by any other name accorded with autonomous status by the UGC upon the recommendations of the affiliating university and the State Government concerned, by virtue of which it provides for a course/programme of study with academic and innovation flexibility for obtaining any qualification from a university and which, in accordance with the Rules and Regulations of such university, is recognized as competent to provide for such course/programme of study and present students undergoing such course/programme of study for the examination leading to the award of such qualification.

**Choice Based Credit System (CBCS):** The CBCS provides choice for students to select from the prescribed courses (core major, electives, minor, soft skill courses etc.)

**Code:** Each course shall bear a distinguishing code (three letters and three digits) that identifies the discipline from which it is being offered.

**Conventional Mode of Learning:** It means a mode of providing learning opportunities through face to face interaction between the teacher and learner in regular class room environment but does not exclude supplementary instructions if any for the learner through use of online.

**Core or Major Course:** A course, which should compulsorily be studied by the student as a requirement of core or major subject is termed as a Core Course.

**Course:** A basic unit of education and/or training. It means a paper which is taught for at least one semester as a part of a subject and is a component of a program. All courses need not carry the same weightage. A collection of courses forms a program of study.

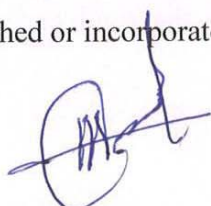
**Credit Point:** It is the product of grade point and number of credits for a course.

**Cumulative Grade Point Average (CGPA):** Weighted average of the grade points obtained in all courses registered by the student across semesters.

**Elective Course:** Generally, a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course.

**Evaluation:** It is the process of making judgments based on evidences and interpretations gathered through examination and assessment and on the basis of agreed upon criteria.

**Foreign Higher Educational Institution:** It represents a Higher Educational Institution duly established or incorporated or recognized in a foreign country and offering academic and research





programs at the undergraduate and/or higher levels.

**Generic Elective (GE) or Open Elective (OE) Course:** An elective course chosen generally from an unrelated discipline/subject, with an intention to seek multidisciplinary exposure is called a Generic Elective.

**Grade Point:** Numeric weightage attached to each letter grade.

**Grade Point Average (GPA):** A system of calculating academic achievement based on an average, calculated by multiplying the numerical grade point received in each course by the number of credits.

**Graduate Attributes (GAs):** It is a set of individually assessable outcomes that are indicative of the graduate's potential to acquire competencies in that programme.

**Higher Education Institutions:** The Higher Education Institutions (HEIs) who are empowered to award degrees by themselves or through their affiliating universities in accordance with Section 22 of the UGC Act, 1956.

**Lateral Entry:** Lateral entry or admission is granted to those students who have exit after award of Certification, Diploma, or a Basic Bachelor's Degree and are eligible for and desirous of re-entering into the second year/ third year/fourth year, respectively of same four year multidisciplinary degree programme at any ABC registered HEI within stipulated/ permissible period of years as decided by Statutory Councils of that HEI. Lateral entry is also open to those students, if he/she has already successfully completed a multidisciplinary four year first degree programme and is desirous of and academically capable of pursuing another multidisciplinary four year first degree programme in an allied subject.

**Learning Management System (LMS):** It means a system to keep track of delivery of E-Learning Programs, learner's engagement, assessment, results, reporting and other related details in one centralized location

**Learning Outcome Based Education (LOBE):** Adherence to student-centric learning approach to measure student's performance based on pre-determined set of outcomes.

**Letter Grade:** Index of performance resulting from the transformation of actual marks obtained by a student in a course.

**Major Courses:** The discipline in which the student shall pursue major study in his/her Undergraduate/Master's Program.

**Proctored Examination:** It means the examination conducted under the supervision of approved person or technology enabled proctoring which ensures the identity of the test taker and the integrity of the test-taking environment, either in pen-paper mode or in computer based testing mode or in full-



fledged onlinemode, as may be permissible.

**Programme:** Programme of study means a higher education programme pursued for a degree specified by the Commission under Section 22 (3) of the UGC Act. It also refers to a collection of courses in which a student enrolls and which contributes to meeting the requirements for the awarding of one or more Certificates/ Diplomas/ Degrees.

**Programme Education Objectives (PEOs):** PEOs are broad statements that describes what graduates are expected to attend within few years of graduation.

**Programme Learning Outcomes (PLOs):** They represent the knowledge, skills and attitudes a student should attain at the end of the programme.

**Qualifications:** Qualifications are final 'awards' such as a certificate, diploma or a degree. Qualifications are awarded by a competent authority such as a college or university in recognition of the attainment by students of the expected learning outcomes on the successful completion of a particular programme of study. Qualifications can also signify the competence to follow an occupational practice.

**Research Project/ Dissertation:** Project work is considered as a special course involving application of knowledge in solving/ analyzing/exploring a real life situation/ difficult problem. The student undertakes research in specific areas of his Major/ Core Subject with an advisory support by a teacher/faculty member.

**Rubric (Assessment Rubric):** A rubric for assessment, also called a scoring guide, is a tool used to interpret and grade students on any kind of work against criteria and standards.

**Semester Grade Point Average (SGPA):** Performance of a student in a given semester.

#### **4. Title and Commencement:**

1. These regulation shall be called "The Regulation Governing the Choice Based Credit System Scheme with Multiple Entry & Exit Option in the Two Years Post-Graduate programmes as per NEP-2020 for the Faculty of Science & Technology (other than those regulated by AICTE, PCI, BCI, CoA, NCTE etc.) of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
2. These regulation shall come into the force for award of the Post-graduate degree from academic year -2023-24 batch and onwards.

#### **5. The Salient Features of the Two Years Post-Graduate Programme**

- a. It is a Choice Based Credit System under Semester Scheme.
- b. Each academic year shall have two semesters; odd and even semesters.
- c. There shall be **four** semesters for two years PG Program, each of six months duration.





- d. Each semester shall consist of at least 15 weeks (06 days per week system) of study with minimum of 90 working days (excluding Sundays and other holidays) including the time spent for the conduct of final examination of each semester.
- e. The relative importance of courses of the study is measured in terms of credits.
- f. The credits offered per semester shall be 22.
- g. The candidate shall complete courses equivalent to at least 88 credits to become eligible for the two years Post Graduate Degree.
- h. The programs comprise of Discipline Specific Core course of 70 credits (including Major Mandatory of 54 credits and Discipline Specific Elective of 16 Credits), Research methodology of 4 credits, OJT/Field project work of 4 credits (During summer break), Research projects of 4 credits in III<sup>rd</sup> Semester and of 6 credits in IV semester and total having 88 credits.
- i. Each DSE shall have more than two papers and students shall choose any one paper from each DSE.
- j. The 4 credits Research Methodology course is mandatory in the first year.
- k. Based on the requirements, the BOS of the concerned subject may determine the most convenient design of credit distribution for theory and practical courses.
- l. The programme permits horizontal mobility in course selections and vertical growth in the core courses.
- m. The candidate has an option to exit after one year (two semester) of the programme and shall be awarded P.G. Diploma with a provision to re-enter the program up to five years at the beginning of any academic year with prevailing syllabai and complete the degree.
- n. The declaration of result is based on Aggregate Percentage of marks obtained and Cumulative Grade Point Average (CGPA) earned.
- o. There is a provision to transfer the credits earned by the candidate during transfer from one institution to other.
- p. The programme permits the consideration of credits earned from SWAYAM and other platforms recognized by the University.
- q. The programme has special provisions for independent learners to earn additional credits from inter/intra disciplinary subjects apart from mandatory credits.
- r. The Outcome Based Education (OBE) practices are to be used to design the curriculum.
- s. The assessment shall be based on 40:60 ratio of continuous assessment test (CAT) and end semester examination.



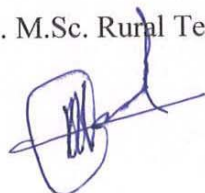
- t. A student should obtain 40% of the marks in the combined examination of CA and ESE with minimum passing of 40% of the marks. The candidate has to score minimum 40% marks in the semester-end examination.

## 6. The NEP 2020 Curriculum Framework Offers

1. Flexibility for learners to move from one institution to another institute.
2. Opportunity for learners to choose the courses of their interest.
3. Facilitating multiple entry and one exit option with PG Diploma or degree depending upon the number of credits secured.
4. Flexibility to switch to alternative mode of learning (offline, ODL and online learning and hybrid modes of learning).
5. As per UGC regulation, 2021, program permit up to 40% of the total courses being offered in particular program in a semester through the online learning courses offered through the SWAYAM platform and/or other state level common platform which can be developed in due course with the participation of different universities/HES subject to approval of the concern BOS and university statutory authorities.

## 7. Post Graduate Programs Offered

1. M.Sc. Chemistry
2. M.Sc. Drug Chemistry
3. M.Sc. Industrial Chemistry
4. M.Sc. Polymer Chemistry
5. M.Sc. Analytical Chemistry
6. M.Sc. Statistics
7. M.Sc. Physics
8. M.Sc. Drug and Integrated Technology
9. M.Sc. Food Technology
10. M.Sc. Information Technology
11. M.Sc. Botany
12. M.Sc. Environmental Science
13. M.Sc. Artificial Intelligence
14. M.Sc. Biochemistry
15. M.Sc. Zoology
16. M.Sc. Electronics
17. M.Sc. Rural Technology





18. M.Sc. Conservation of Biodiversity
19. M.Sc. Nanotechnology
20. M.Sc. Microbiology
21. M.Sc. Water and Land Management
22. M.Sc. Mathematics
23. M.Sc. Biophysics
24. M.Sc. Bioinformatics
25. M.Sc. Computer Science
26. M.Sc. Biotechnology
27. M.Sc. Forensic Science
28. M.Sc. Forensic Cyber
29. M.Sc. Forensic Applied Physics and Ballistics
30. M.Sc. Forensic Toxicology
31. M.Sc. Herbal Technology
32. MCA (Science)
33. M.Sc. Networking and Multimedia
34. Diploma in Forensic Science and Related Laws (one year)
35. P.G. Diploma Digital and Cyber Forensic Science and Related Laws (one year)

### **8. Duration of the programs, requirement and Options**

- a.** The minimum duration for completion of any PG program is 4 semester (two academic years) and the maximum duration is 8 semesters (4 academic years). In other words, for completion of any PG program, the maximum duration is double the duration of the programme or as per the amendments made by the regulatory bodies from time to time.

The tenure should not exceed more than four years the duration of course from the date of first registration at parent college/university department. The admission of concern students get cancelled if he/she fails to complete the course in maximum of four years.

- b.** The program shall have one exit option at the end of one year (two semester) with awards of PG diploma.
- c.** He/she shall be eligible to rejoin the program up to five years to complete the degree. Further, all candidates will be awarded Post-Graduate degree on successfully completion of four semesters (Two academic years) and shall complete courses equivalent to at least 88 credits of the PG program in the subject of their choice.



- d. In respect of a candidate who has opted exit option for a valid reason (with the permission of competent authority) and are readmitted to the program by the university department/college, the period for which such a candidate has discontinued is not counted while calculating the maximum period prescribed in 8.a.
- e. A semester may be declared a zero semester in case of a student who could not continue with the program during that period due to valid reason accepted by the competent authority subject to the fulfilment of requirement as laid down by the relevant rules. Such zero a semester is not be counted for calculation of the duration of the programme in the case of such a student.
- f. The duration for completion of the program shall be as directed by the Government / Statutory Authorities/ UGC, etc., from time to time. However, the candidate has to write the examination based on existing syllabi at the time of appearing for examination.

### **9.0. Academic Bank of Credits (ABC):**

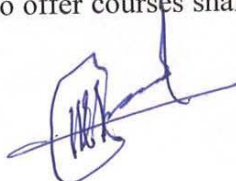
The Academic Bank of Credits (ABC), a national-level facility promotes flexibility of curriculum framework and interdisciplinary/multidisciplinary academic mobility of students across the HEIs in the county with appropriate "credit transfer" mechanism. It is mechanism to facilitate the students to choose their own learning path to attain a Certificate/ Diploma/ Degree, working on the principle of multiple entry and exit as well as anytime, anywhere, and any level of learning. ABC will enable the integration of multiple disciplines of higher learning leading to the desired learning outcomes including increased creativity, innovation, higher order thinking skills and critical analysis. ABC will provide significant autonomy to the students by providing an extensive choice of courses for a programme of study, flexibility in curriculum, novel and engaging course options across a number of higher education disciplines/institutions.

### **9.1. Operationalization of ABC:**

Dr. Babasaheb Ambedkar Marathwada University, university departments and affiliated colleges shall appoint institutional nodal officer for ABC as per UGC directives. The nodal officer shall be responsible for proper operationalization of ABC within the university department/college and with the university.

### **9.2. The ABC related operations shall be as follows:**

- i. The MEME option for students is facilitated at the undergraduate and postgraduate levels.
- ii. It would facilitate credit accumulation through the facility created by the ABC scheme in the "Academic Bank Account" opened for students across the county to transfer and consolidate the credits earned by them by undergoing courses in any of the eligible HEIS. The eligibility of HEIs to offer courses shall be as per UGC (Establishment and Operationalization of ABC scheme in





Higher Education) Regulations 2021 dated 28 July 2021 changes therein notified by the UGC from time to time.

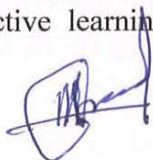
- iii. The ABC allows credit redemption through the process of commuting the accrued credits in the Academic Bank Account maintained in the ABC for the purpose fulfilling the credits requirements for the award of certificate/diploma/PG diploma/degree by the authorized HEIs.
- iv. Upon collecting a certificate, diploma, PG diploma or degree, all the credits earned till then, in respect of that certificate, diploma, PG diploma or degree shall stand debited and redeemed from the account concerned.
- v. HEIs offering programs with the MEME system need to register in the ABC to enable acceptance of multidisciplinary courses, credit transfer, and credit acceptance.
- vi. The validity of credits earned will be for a maximum period of seven years or as prescribed by the UGC.
- vii. The procedure for depositing credits earned, its shelf life, redemption of credits, would be per UGC (Establishment and as Operationalization of ABC scheme in Higher Education) Regulations 2021 dated 28 July 2021 and changes therein notified by the UGC from time to time.

### **9.3. Monitoring, Support and Quality by Universities and ABC:**

- i. It shall be the responsibility of Registered HEIs, to monitor the development and operationalization of the ABC programme at the university level and at the level of their affiliated colleges (Here, "registered" means 'registered on ABC').
- ii. Registered HEIs shall offer teachers training, staff training, mentoring, academic and administrative audit and other measures for improving the quality of performance of the ABC facility and promotion of holistic and multidisciplinary education with the support of ABC.
- iii. The quality assurance of the implementation of ABC at the level of the registered university shall be looked by the Director, Examinations and Evaluation of the university or the officer nominated by him different from ABC nodal officer, under the directives and guidance of Board of Examinations and Evaluation of the university.
- iv. The University shall upload, annually, on its website, a report of its activities related to the Academic Bank of Credits, as well as of measures taken by it for Quality assurance, Quality sustenance and Quality enhancement. The Grievance Redressal committee constituted by the examination section shall be responsible for addressing the Grievance and appeals related to ABC.

### **10. Pedagogy across All Programs**

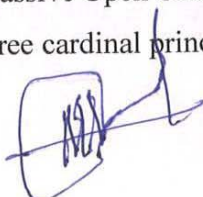
Effective learning requires appropriate curriculum, an apt pedagogy, continuous formative





assessment and adequate student support. The intention is to contextualize curriculum through meaningful pedagogical practices, which determine experiences directly influencing learning outcomes. Active, cooperative, collaborative and experiential learning pedagogies are some of the examples. Use of technology in creating learning environment that connects learners with content, peers and instructors all through the learning process respecting pace of learners is need of the hour.

- i.** Classroom process must encourage rigorous thinking, reading and writing, debate, discussion, peer learning and self-learning.
- ii.** The emphasis is on critical thinking and challenge to current subject orthodoxy and develop innovative solutions. Curricular content must be presented in ways that invite questioning and not as a body of ready knowledge to be assimilated or reproduced. Faculty should be facilitators of questioning and not authorities on knowledge.
- iii.** Classroom teaching should focus on the 'how' of things i.e. the application of theory and ideas. All science courses should design project and practicums to enable students get relevant hands-on experiences.
- iv.** Learning must be situated in the Indian context to ensure that there is no sense of alienation from their context, country and culture.
- v.** Classroom processes must address issues of inclusion and diversity since students are likely to be from diverse cultural, linguistic, socio- economic and intellectual backgrounds.
- vi.** Cooperative and peer supported activities must be part of empowering students to take charge of their own learning.
- vii.** Faculty will have the freedom to identify and use the pedagogical approach that is best suited to a particular course and student.
- viii.** Pedagogies PBL (Problem/Project Based Learning), service learning be brought into practice as part of curriculum. Experiential learning in the form of internship with a specified number of credits is to be made mandatory.
- ix.** Blended Learning (BL) mode is to be used to help learners develop 21<sup>st</sup> century skills along with the effective learning and skill development related to the subject-domains. BL should be carefully implemented and should not be replacing classroom time as a privilege. Every institute should strive to be a model institute to demonstrate a successful implementation of BL in the higher education of our country.
- x.** Study Webs of Active Learning for Young Aspiring Minds (SWAYAM) is India's national Massive Open Online Course (MOOC) platform ([www.swayam.gov.in](http://www.swayam.gov.in)), designed to achieve the three cardinal principles of India's Education Policy: access, equity, and quality. The University





Grants Commission (Credit Framework for Online Learning Courses through SWAYAM) Regulations, 2021 have been notified in the Gazette of India, which now facilitates an institution to allow up to 40 per cent of the total courses being offered in a particular programme in a semester through the online learning courses offered by the SWAYAM platform. Universities with approval of the competent authority may adopt SWAYAM courses for the benefit of the students. A student will have the option to earn credit by completing quality-assured MOOC programs offered on the SWAYAM portal or any other online educational platform approved by the competent authority of the university body from time to time.

## **11. Admission Procedure**

### **11.1. Invitation of Applications:**

- a) The University shall issue a notification for admission to various PG Programs for all odd semesters soon after the announcement of UG results.
- b) Admissions shall be purely based on merit cum roster as per the norms of Government of Maharashtra issued from time to time.
- c) Academic year normally commences in the month of June every year. The exact date for commencement of academic year shall be decided by the university.
- d) Affiliated colleges shall admit students for each programme not exceeding the approved intake. Prior approval from the university is mandatory in case the admissions exceed approved limit.

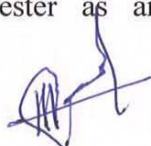
### **11.2. Eligibility for the Admission:**

#### **A.**

1. Students shall be admitted to a two-year program for those who have completed three year Bachelor's degree program. A programme of study leading to the Master degree and Post-Graduate Diploma is open to those who have met the entrance requirements, including specific level of attainment, in the programme admission regulation. Admission programme of study is based on the evaluation of documentary evidence (including academic record) of the applicant's ability to undertake post-graduate study specialized filed of enquiry.
2. The specific requirements and relations admissible for specific Master degree program shall be as prescribed by the respective Board of Studies, approved by the Academic Council and notified by the university.

#### **B. Eligibility for the Admission to the Second Year:**

The student shall be eligible for admission to second year through ATKT only, if he/she has cleared/passed 2/3 (two third) of the total papers. Dropout student shall be allowed to register for respective semester as and when the concerned course are offered by the university





department/college, subject to the condition that his/her tenure should not exceed more than four year's duration of course from the date of first registration of parent university department/college.

**12. Medium of Instruction:** The medium of instruction and examination shall be English

**1. Certification of Qualification and Credit Requirements**

UGC has stipulated guidelines for certification of academic qualifications and categorized in terms of certificate, diploma, and degree which are organized in a series of academic levels in ascending order from level 4.5 to Level 8. Each level of academic qualification has certain credit requirement.

Table-1. Illustrative Credit Requirement & Credit Distribution Structure for Two Years PG Programme

| Year(2Yr PG)                                                                                                                                                          | Level | Sem.(2Yr) | Major     |           | RM | OJT / FP | RP | Cum. Cr. offered | Degree                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|-----------|-----------|----|----------|----|------------------|-------------------------------|
|                                                                                                                                                                       |       |           | Mandatory | Electives |    |          |    |                  |                               |
| I                                                                                                                                                                     | 6.0   | Sem. I    | 14        | 4         | 4  |          |    | 22               | PG Diploma (after 3Yr Degree) |
|                                                                                                                                                                       |       | Sem. II   | 14        | 4         |    | 4        |    | 22               |                               |
| Cum. Cr. For PG Diploma                                                                                                                                               |       |           | 28        | 08        | 4  | 4        | -  | 44               |                               |
| Exit option: PG Diploma (44 Credits) after Three Year UG Degree upon completion of on-the-job training of 04 credits during summer break related to the Major Subject |       |           |           |           |    |          |    |                  |                               |
| II                                                                                                                                                                    | 6.5   | Sem. III  | 14        | 4         |    |          | 4  | 22               | PG Degree After 3- Yr UG      |
|                                                                                                                                                                       |       | Sem. IV   | 12        | 4         |    |          | 6  | 24               |                               |
| Cum. Cr. for 2 <sup>nd</sup> Yr PG Degree                                                                                                                             |       |           | 26        | 08        |    |          | 10 | 44               |                               |
| Cum. Cr. for 2 Yrs PG Degree                                                                                                                                          |       |           | 54        | 16        | 4  | 4        | 10 | 88               |                               |
| 2 Years-4 Sem. PG Degree (88 credits) after Three Years UG Degree                                                                                                     |       |           |           |           |    |          |    |                  |                               |

**ABBREVIATION:**

**Major-Discipline Specific Core (Mandatory Major)**

**DSE**-Discipline Specific Elective

**OJT**-On-the- Job Training

**FP** – Field Project

**RP** –Research Project

**13. Course Categorization and Description of the Course**

In ensuring a holistic and multidisciplinary education, the PG programme structure of Dr. B. A. Marathwada University is imaginative and flexible in nature with creative combinations of credit-based course. The different category of courses to be offered in the PG programme of Dr.B.A. Marathwada University shall comprise of the following

**1. Major Course (Mandatory):** A course which should be compulsorily be studied by the student



as a requirement of core or major subject is termed as Core Subject.

**2. Discipline Specific Elective:** Generally a course which can be chosen from a pool of courses and which are very specific or specialized or advanced or supportive to the discipline/subject of disciplines/subject/domain or nurtures the candidate's proficiency/skill is called an elective course.

**3. Research Methodology:** Corresponding to the Major (Core) Subject.

**4. OJT– On-the-Job Training or Field Project:** (Corresponding to the Major (Core) Subject).

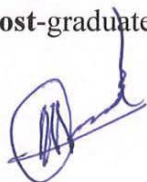
**1. OJT–On-the-Job Training:** A key aspect of the new PG program is induction into actual work situations. All students will also undergo internship/Apprenticeships in a firm, industry or organization or training in labs with faculty and researchers in their own or other HEIs /research institutions during the summer term. Students will be provided with opportunities for internship with local industry, business organization, health and allied areas, local government (such as Panchayats, Municipalities), Parliament or elected representatives ,media organization, artist, craft persons, and a wide variety of organization so that students may actively engage with the practical side of their learning and, as a byproduct, further improve their employability. Students who wish to exit after the one year (two semester) will undergo a 4 credit work based learning/ OJT/internship during the summer term in order to get a PG Diploma.

**Or**

**2. Filed Project:** (Corresponding to the Major (Core) Subject): The filed–based learning/project will attempt to provide opportunities for student's to understand the different socio-economics contexts. It will aim at giving students exposure to development–related issues in rural and urban settings. It will provide opportunities for students to observe situations in rural and urban contests, and to observe and study actual field situations regarding issues related to socioeconomic development. Students will be given opportunities to gain a first –hand understanding of the policies, regulations, organization structure, processes, and programme that guide the development process. They have opportunity to gain an understanding of the complex socio-economic problems in the community, and innovative practices required to generate solutions to the identified problems. This may be a summer term project depending up on subject of study.

**5. Research Project (RP):** Project work is considered as a special course involving application of knowledge in solving/applying/exploring a real life situation /difficult problem. The student undertake research in specific area of his Major/Core subject with an advisory support by a teacher/faculty member.

**Two years Post-graduate** students are required to take of 4 credits research project at III<sup>rd</sup>



semester and 6 credits research project at IV<sup>th</sup> semester under the guidance of a faculty member. The research outcomes of their project work may be published in peer-reviewed journals or may be presented in conferences/seminars or may be patented.

**Note:**-Each course shall include lectures/tutorial/laboratory of field work/seminar/practical training/Assignments/midterm and term end examination paper/report writing or review of literature and any other innovative practice etc., to meet effective teaching and learning needs.

#### **14. Credits System of the Programme and Workload for Teacher:**

**14.1. Credits system of the programme-** 1. Credits defines the quantum of content/syllabus prescribed for the course and determines the number of hours of instruction required per week. Thus in each course credits are assigned based on the number of hours required per week for lectures /tutorials/lab work/field work to complete the course.

2. Each two years PG program shall have a minimum of 88 credits as mentioned in the table -1 and Annexure A &B.

3. Credits means the unit by which a course is measured.

4. The workload relating to a course is measured in terms of credits hours.

5. A Credit is a unit by which the coursework is measured.

6. Each course may have –

a. only lectures-

b. lecture and tutorial –

c. lecture and practicum

d. lecture, tutorial and practice components

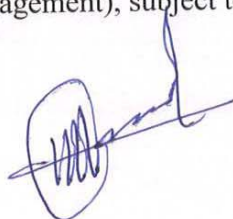
7. One credit shall be of 25 marks

8. One credit- one clock hour lecture in a week.

9. One credit for tutorial means one hour of engagement per week. Tutorial is not mandatory for all the courses. However, the concerned BOS shall decide the necessity for any course. (In a semester 15 weeks duration–a one credit tutorial in a course is equivalent to 15 hours engagement).

10. A one credit course for-practical/lab work/community enjoyment program/field work/ seminar/project in a semester means **two-hour** engagement per week.

11. **Internship-** Credits for internship shall be one credit per one week of internship (or 30 hours of engagement), subject to a maximum of six credits per semester.





## 15.2. Workload for Teachers

1. Each PG theory session may have up to 30 students and a maximum extendable up to 70 students for major course, while for DSE elective course minimum up to ten students in the class rooms.
2. For a practical batch, each 10 students shall have one teacher.
3. For OJT/Filed project batch, each 15-20 students shall have one teacher. Workload of 2 hours per week will be given to faculty.
4. For research project -for the batch of 10 student's, workload of 2 hours per week will be given to faculty.
5. To determine a teacher's work load one hour theory/tutorial/practical class shall be considered equal to one hour work load.

**Note-** The workload for teacher shall be as directed by the Government / Statutory Authorities/ UGC, etc., from time to time.

## 16. Distribution of Credits across Two Years PG Degree Programme

The course structure and distribution of credits for 2-Years PG/Master degree programme is presented in *Annexure-A/Annexure-B*. There will be one exit option with Post-Graduate diploma after completion of one year or two semesters with course equivalent to 44 credits and on completion of 4 credits OJT during summer break.

## 17. Coding of Course

Each course shall bear a distinguishing code (tree letter and three digits) that identifies the discipline from which it is being offered.

**Coding of courses shall be based on the levels of learning as below**

500-599- First Year Master degree courses

600-699- Second Year Master degree courses

**Course code shall be allotted further to differentiate semester –wise course as below**

500-549- First Semester Course

550-599- Second Semester Course

600- 649- Third Semester courses

650-699- Fourth semester courses

**Uniform code shall be given to Project as below**

649- Research Project in the third semester

699- Research project in the fourth semester



The following procedure shall be followed in coding of courses:

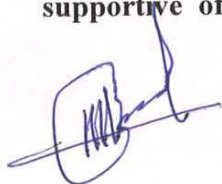
First Major courses followed by DSE courses, Research Methodology, OJT/Field project and Research Project.

**Example:**

- a. First semester course for Zoology starts with ZOO/MJ/500, ZOO/MJ/501 so on till the last major course followed by DSE.
- b. Say there are four major courses in the first semester, the code for the last major course will be ZOO/MJ/503 and the DSE course will start from ZOO/DSE/504, ZOO/DSE/505 and so on till the last DSE course. Then followed by Research Methodology, OJT/Field project and Research project.
- c. Say the DSE Course code ends with ZOO/DSE/505 then the course code for Research Methodology, OJT/Field project will start with ZOO/RM/506 or ZOO/INTS/506 or ZOO/APTS/506 and so on.
- d. Second semester course will start with ZOO/MJ/550 and follow same pattern.
- e. Third semester course will start with ZOO/MJ/600 and follow same pattern with a course code of ZOO/MJ/649 for Research Project.
- g. Fourth semester course will start with ZOO/MJ/650 and follow the same patten with a course cod of ZOO/MJ/699 for Research Project.

## **18. Rules and Regulation of the Two Years Master's Degree Program with Exit Option**

- a) With effect from academic year 2023-24, two years Master's degree program with exit option will be implemented as per the illustrative credit distribution given in the table-1.
- b) Credits offered per semester will be 22 in accordance with table 1 and *Annexure-A & B*. While minimum credits are mandatory as per National Credit Framework, the university has evolved the mechanism for providing semester/ level wise credit attainment flexibility within the broad framework as shown in table 1 and *Annexure-A & B*.
- c) Under the two-year master's degree program, the students must complete on-the-job training/internship of 04 credits during summer break, after completion of the second semester of the first year in the respective major subject.
- d) The 4 credits research methodology component is mandatory in the first year.
- e) Since the Master's programme is based on DSC specialization, the PG curricular framework does not include Minor subject. Electives selected in the PG program may be **relevant to OR supportive** of the major subject chosen. The Statutory Authorities of the university or





Autonomous College can take a decision in this regard.

- f) The students will have to undertake a research project of 4 credits in semester III and are research project of 6 credits in semester IV in the second year of the two-year master's degree program.
- g) Based on the requirements, the BOS of the concerned subject may determine the most convenient design of credit distribution for theory and practical courses.
- h) Colleges already having permission and recognition for the PG degree programme along with UG degree programme in the same major shall be automatically allowed to continue PG degree programme in the same major without undergoing any additional procedures. Similarly, the colleges with approved PG programme and Ph.D. Research Centre in the same major shall be automatically allowed to continue PG and Ph. D. Degree programme without undergoing any additional procedures.
- i) The exit option at the end of one year of the Master's degree program will commence from AY 2024-25. Students, joining a two-year Master's degree program w.e.f. AY 2023-24, may opt for exit at the end of the first year and earn a PG diploma.
- j) The PG Diploma may be awarded to a student provided they have earned the requisite credits in one year including on-the-job training of 04 credits during summer break, after completion of the second semester of the first year in the respective Major subject.
- k) Re-entry to complete the PG degree, after taking the exit option, will be permissible up to 5 years from the date of admission to the PG programme.
- l) The UGC Regulations, 2021 permit up to 40% of the total courses being offered in a particular programme in a semester through the Online Learning Courses offered through the SWAYAM platform and/or other state level common platforms which can be developed in due course with the participation of different universities/ HEIs.
- m) After earning minimum 88 Credits as given in above Table 1 from semester I, II, III and IV cumulatively, the student shall be awarded PG degree (Master of ----- ).
- n) Record of student's Performance cum Evaluation (containing attendance, concept knowledge, intellectual/decision making ability, handling skill, sense of responsibility, cooperative/leadership quality, presentation/demonstration) related to OJT: Internships/Apprenticeship, Field project and Research project, etc. shall be maintained by the college/institute/university department.
- o) Internships/Apprenticeship, Field project and Research project, etc., the college/ institute/university department shall follow standard operating procedures (SOP) with concerned college/institute/university department/organization/ industry on the basis of Memorandum Of Understanding (MOU)/Letter of Intent and Joining letter. Further, for validation, progress records,





Evaluation Sheet etc. shall be maintained by the college/institute/university department.

p) In the Scheme of Teaching, Learning, Evaluation & Examination, credits are to be given with the maximum marks allotted to the semester examination in each paper for the theory and the practical of each of the four examinations. Also computation of SGPA and CGPA, letter grades and grade point, equivalence of class/ division to corresponding CGPA shall be indicated as given in clause 20 (Examination and Assessment Rules).

### **19. Attendance:**

a. A candidate shall be considered to have satisfied the requirement of attendance for a semester if he/she attends not less than 75% of the number of classes actually held up to the end of the semester in each subjects. There shall be no minimum attendance requirement for the Co-curricular and extension activities.

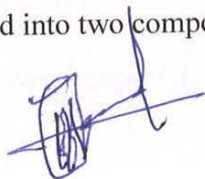
b. If candidate represents his/her institution/university/Maharashtra state/ Nation in sports/NCC/NSS/Cultural or If a candidate is selected to participate in national level event such as Republic Day Parade etc. or any officially sponsored activities he/she may be permitted to claim attendance for actual number of days participated, based on the recommendation of the Head of the Institution concerned.

### **20. Examination and Assessment Rules:-**

a. **Weightage of Marks:** Credits represent the weight or value assigned to a particular course. They reflect the amount of work, both in terms of time and effort, that a student is expected to put into the course. Courses with more credits typically require more hours of study, more assignments, and more comprehensive assessments. Therefore, 4 credits theory/practical course will have weightage of 100 marks, 3 credits course will have weightage for 75 marks, 2 and 1 credit course will have weightage for 50 marks. The 4 credits OJT/Field project work will have weightage of 100 marks. The 4 and 6 credits of research project work will have weightage of 100 marks.

b. Assessment for different levels of qualification shall be done based on learning outcomes using the following norms:

1. Total marks for each course shall be based on continuous assessment and semester end examination.
2. It is necessary to have uniform pattern of 40:60 for Continuous Assessment Test (CAT) and Semester End Examinations for theory/practical/OJT/Research project respectively, in all the university departments, and their affiliated colleges. While 4 credits of field project work assessment for 100 marks shall be conducted by concern university department/college.
3. There shall be a continuous assessment of the student. For this purpose, semester examination is divided into two components:





## 1. Formative Internal Assessment:

## 2. Summative (Semester-end) Examination

### 1. Formative Internal Assessment:

#### A. Theory papers:

Formative (Internal) Assessment-examinations shall be conducted by the university department/college for 40% of the maximum marks allotted for each course.

The three CAT, each of 20% marks would be conducted at different phases (25 %, 50 % and 75 % of completion of syllabus OR 25, 50 and 75 working days out 90 working days of the semester) throughout the semester. Each concurrent assessment (CAT-I, II, III) will be mapped to the course learning outcomes. Total performance in CAT (i.e.40%) would be based on best two out of three CAT examination. Course teacher will have liberty to choose from variety of assessment tools/methods (class test, individual assignment, tutorial, seminar, presentation, group discussion, case study, participatory & industry-integrated learning, field work, practical activity, problem solving exercises, participation in academic events, mini project work, quiz etc.) which may be deemed to appropriate for assessing the relevant course outcome. Total performance in CAT (i.e 40%) would be based on best two out of three CAT examinations.

The outline for distribution of marks for continuous assessment activities for Component-I (C1), Component-II (C2) and Components (C3) of a course shall be as under.

| Sr. No | Particulars                                                                         | 25% of completion of syllabus or 25 working days out of 90 working days of semester | 50% of completion of syllabus or 50 working days out of 90 working days of semester | 75% of completion of syllabus or 75 working days out of 90 working days of semester | Average of best of two CAT (Maximum Marks) |
|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------|
| 1      | Session Test                                                                        | 10% marks                                                                           | 10% marks                                                                           | 10% marks                                                                           | 20% Marks                                  |
| 2      | Seminar/presentation/Activity/Case Study/Assignment/Filed Project/Project work etc. | 10% marks                                                                           | 10% marks                                                                           | 10% marks                                                                           | 20% marks                                  |
|        | Total                                                                               | 20% Marks                                                                           | 20% Marks                                                                           | 20% Marks                                                                           | 40% Marks                                  |

#### B. Practical/Professional Skill Based Activity:

Formative (Internal) Assessment- examinations shall be conducted by the university department/ college for 40% of the maximum marks allotted for course in the 14<sup>th</sup> week of the commencement of semester.

The outline for distribution of marks for continuous assessment of practical course shall be as under.

| Sr. No | Particulars                                                 | Total Marks |
|--------|-------------------------------------------------------------|-------------|
| 1      | Session Test /Experiment proficiency                        | 20% Marks   |
| 2      | Punctuality, Regular Attendance                             | 10 % Marks  |
| 3      | Presentation/Group discussion/viva/Quiz/Filed survey report | 10% Marks   |
|        | Total                                                       | 40% Marks   |

**Marks for attendance will be considered as follows:**

| Sr. No. | Attendance (in percentage) | Marks   |
|---------|----------------------------|---------|
| 1       | 95% or more                | 5 Marks |
| 2       | 90-94 %                    | 4 Marks |
| 3       | 85-89%                     | 3 Marks |
| 4       | 80-84%                     | 2 Marks |
| 5       | 75-79%                     | 1 Marks |

**C. Research Project-**

Formative (Internal) Assessment- examinations shall be conducted by the university department/ college for 40% of the maximum marks allotted for course in the semester.

The university department/college shall conduct two IA examinations, each of 20 marks. First IA shall be conducted in the 4-5<sup>th</sup> week and the second in the 13-14<sup>th</sup> week of the concern semester. The evaluation IA & ESE of the research project work shall be conducted as per the rules for evaluation of OJT/Filed project work/research project work of university.

The outline of distribution of marks for continuous assessment activity for component –IA-1 and IA-2 of a project work shall be as under.

| Sr. no | Particulars                                                                                                    | C1-4-5 <sup>th</sup> week | C1-13-14 <sup>th</sup> week | Total marks |
|--------|----------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------|-------------|
| 1      | <b>A. Research proposal</b>                                                                                    | <b>(10 marks)</b>         | --                          |             |
|        | 1.Statement of research problem                                                                                | 2 Marks                   | --                          | 2 Marks     |
|        | 1. Research design                                                                                             | 2 Marks                   | --                          | 2 Marks     |
|        | 3.Review of literature                                                                                         | 2 Marks                   | ---                         | 2 Marks     |
|        | 4.Scope of research work                                                                                       | 2 Marks                   | ---                         | 2 Marks     |
|        | 5.Expected outcome-(social relevance , local/regional needs, national requirement and international importance | 2 Marks                   | ----                        | 2 Marks     |
|        | <b>B. Presentation and viva-voce</b>                                                                           | 10 Mark                   | ---                         | 10 Mark     |
| 2.     | 1.Witten progress report of research project                                                                   | ----                      | 10 Marks                    | 10 Marks    |
|        | 2. Presentation and defence                                                                                    | ---                       | 10 Marks                    | 10 Marks    |
|        |                                                                                                                | 20 marks                  | 20 Marks                    | 40 Marks    |



#### D. OJT/Filed Project Evaluation:

##### 1. Filed project work-

Field project work examination shall be conducted by university department/college. For filed project work, there is only IA examination (no university examination). The evaluation of IA shall be conducted in different phases as per schedule decided by concern university department /college in the summer break of the second semester for 100 marks.

The outline of distribution of marks for continuous assessment for field work shall be as under.

| Sr. No. | Particulars                                                        | % Marks   |
|---------|--------------------------------------------------------------------|-----------|
| 1       | Key definitions of problem area, analysis of preliminary data etc. | 10 marks  |
| 2       | Interaction and contact session                                    | 05 Marks  |
| 3       | Field work and data gathering                                      | 30 Marks  |
| 4       | <b>Attendance</b>                                                  | 05 marks  |
| 5       | Active participation in the field                                  | 05 marks  |
| 6       | Problem solving skill                                              | 05 marks  |
| 7       | Written report submission ,                                        | 20 Marks  |
| 8       | Presentation and via –voce                                         | 20 marks  |
|         |                                                                    | 100 Marks |

Or

2. **OJT-IA** examinations shall be conducted by the university department/ college for 40% of the maximum marks allotted for course. The two IA, each of 20% marks shall be conducted at different phases, I<sup>st</sup> IA after 10-15 days and II<sup>nd</sup> IA after 25-30 days of summer break of the second semester. Examination shall be conducted as per the rules for evaluation of OJT/Filed project work/research project work of university.

The outline of distribution of marks for continuous assessment for OJT work shall be as under.

| Sr. No | Particulars                                         | C1-10-15 days of summer break | C2-25-30 days of summer break | Total marks |
|--------|-----------------------------------------------------|-------------------------------|-------------------------------|-------------|
| 1      | Plan of OJT/internship including goal of internship | 10 marks                      | --                            | 10 marks    |
| 2      | Daily-weekly report of the activity                 | 05 marks                      | 05 Marks                      | 10 marks    |
| 3      | Written Report of OJT/Internship (progress)         | --                            | 10 marks                      | 10 marks    |
| 4      | Presentation and viva                               | --                            | 10 marks                      | 10 marks    |
|        |                                                     | 15 Marks                      | 25 marks                      | 40 marks    |

**Instructions:**

1. The university department, college shall conduct test/seminar/case study etc.
2. The students should be informed about the modalities and time schedule of the activity in advance.
3. The course teacher shall display the marks on notice board within 4 days after IA examination and allow the student for verification of IA Booklet if he/she wishes. Grievances shall be solved by the course teacher and in complicated cases by the Principal/ representative of Principal as per internal mechanism of the college.
4. In case of a student who has failed to attend the internal examination on a scheduled date, it shall be deemed that the student has dropped the test. However, in case of a student who could not take the test on scheduled date due to genuine reasons, such a candidate may appeal to the program coordinator/ Principal. The program coordinator/Principal in consultation with the concerned teacher shall decide about the genuineness of the case and decide to conduct special test to such candidate on the date fixed by the concerned teacher but before commencement of the concerned semester end examinations.
5. The college shall submit the IA marks to the university if student satisfies 75% attendance in the semester and shall be eligible to appear for semester-end examination.
6. The CA marks of all courses and filed project work marks shall be communicated to the Director, Board of Examination and Evaluation at least 10 days before the commencement of the university examinations.
7. The CA marks shall not be change. A student cannot repeat CA. In case she/he wants to repeat CA, then she/he can do only by registering their names for course during the semester in which the course is conducted and up to 2 years program provided the student has failed in that course.
8. Internal assessment marks shall be shown separately in the marks card. Candidate who has failed or rejected the result, shall retain the internal assessment marks.
9. The university department/colleges shall maintain all the record of internal assessment.

**2. Summative (Semester-End) Examination:**

- 2.1.** A candidate shall register for all the papers of a semester when he/she appears for the examination of that semester for the first time.
- i. The semester-end examination, for 60% of the maximum marks allotted for each theory, practical/Professional skill based activity and Research project, shall be conducted by the university after 15<sup>th</sup> week of the commencement of the semester. However, the evaluation of ESE of OJT shall be conducted in the 5<sup>th</sup> week of the summer break of the second semester for 60% marks.

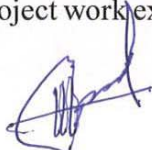




- ii. The University shall conduct the semester-end examination for either odd or even semesters but not both simultaneously, unless otherwise specified.
- iii. Duration of theory examination shall be 2 hours for 60 marks per course.
- iv. Duration of theory examination shall be 1.30 hour for 45 marks per course.
- v. Duration of theory examination shall be 1 hours for 30 marks per course.
- vi. Duration of practical examination shall be 3 hours for 50 marks per course.
- vii. The OJT/Filed project/research project examination shall be conducted as per rules for evaluation of OJT/Internship/filed project/research project of the university.

## **2.2. Question paper:**

1. The concerned BOS, shall decide the pattern of theory and practical question paper for uniformity for all the core courses and elective courses.
2. For OJT/Filed project/research project work, student have to submit written project report & a viva-voce.
3. The question paper for semester end examination must be designed to test all the levels of cognitive domain and should include all types of question viz-Long answer, short answer, qualitative problems, and objective type's etc.
4. The practical question paper for semester end examination must be designed by respective BOS. Appropriate distribution of marks for practical record/report/observations/experiment proficiency, viva-voce, is any as decided by the BOS concerned.
5. Question papers shall be prepared by a team of members of respective Board of Examiners.
6. Moderation Board shall be formed to ensure that the questions for end-semester examination adequately cover the course contents.
7. Model answers for marking essay type questions should be prepared for minimizing subjectivity in evaluation. Marking criteria should be made known to the students.
8. There shall be a single valuation for theory papers from the members of concerned BoE under the supervision of moderator who is in turn under the supervision of chairman of BoE.
9. Practical/evaluation of project work assessment shall be conducted before the commencement of theory examination at the concerned university department/colleges by two examiners; one from the same college as internal examiner and other from other colleges/university department appointed by university as external examiner. There may be two external examiners but not two internal examiners for conducting the examination. A pair of examiners shall conduct practical examinations for two batches per day having a maximum of 12 students in each batch. However the OJT/Field project work examination shall be conducted, in the fifth week of the summer break.



## 21. Evaluation and Certification of Credit-based MOOCs on SWAYAM Platform

As per UGC (Credit Framework for Online Learning Courses through SWAYAM) Regulations, 2021,

- i. The HEI and the course-coordinator shall be responsible for evaluating the student registered for the credit-based MOOCs offered on SWAYAM platform.
- ii. The final evaluation of a course shall be based on internal assessment and semester end examination and the internal assessment (with a maximum of 30% marks) based on instruments such as discussion forums, quizzes, assignments, sessional examinations and the complete evaluation scheme of a course shall be announced at the time of launch of the course.
- ii. Online semester end examination shall be the preferred mode provided that the course-coordinator shall be authorized to decide on the mode of conducting the final examination, either through online mode or pen and paper mode and this shall be announced in the overview of the course at the time of offering of the course.
- iii. The term end proctored examination for all the SWAYAM based credit courses shall be conducted either by the SWAYAM Board or by any other agency authorized by the Gol in the MoE, across the country.
- iv. After conduct of the examination and completion of evaluation, the course-coordinator, through the HEI, shall award marks or grades, as per the evaluation scheme announced.
- v. A certificate regarding successful completion of the SWAYAM based credit course shall be signed by the National Coordinator and authorized signatory of the HEI and shall be made available on SWAYAM platform within four weeks from the date of declaration of the semester end examination result.
- vi. The HEI shall incorporate the marks or grades obtained by the student in the marks sheet that counts for final award of the certificate or diploma or degree by the university.

## 22. Passing Criteria

- a) A candidate has to score 40% of the marks in each course including the IA marks for passing the course, subject to the condition that:
  1. There shall be no separate passing marks for the IA examination. The candidate has to score minimum 40% marks in the semester-end examination (Ex. For 100 marks paper; 40 IA+60 semester end examination and hence minimum 24 marks for semester end examination required). If candidate scores 40% by cumulating marks from IA and semester-end examination but fails to score 40% from semester-end examination, such candidate shall be declared as fail.





2. If the course is having both theory and practical, candidate has to pass both theory and practical independently. If the candidate fails in practical and passes in theory examination, such candidate shall reappear for practical examination only and vice versa.
3. In all cases of failure in particular course, IA marks shall be protected and carried forward; and the candidate need not reappear for IA examinations in such cases.
4. On successful scoring of minimum 40% in all courses, the candidate shall be declared pass in the programme in that semester.
5. On successful scoring of minimum 40% in all courses of all the semesters, the candidate shall be declared pass in the entire program.
6. As per Maharashtra Public Universities Act, 2016, section 89 chapter VIII, the results of every examination and evaluation conducted by the university will be declared within thirty days from the last date of examination for that particular course and in any case declare the results latest within forty five days

### 23. Computation of Grade:

Marks obtained by students will be converted into grades in the following manner:

#### i. Letter Grade and Grade Points:

The Dr. Babasaheb Ambedkar Marathwada University, Aurangabad has decided to implement "absolute grading" system. Students who earn 88 credits, shall be considered to have completed the requirement of Post-graduate degree program and CGPA will be calculated for such student on the basis of 88 credits.

#### The Grades and Grade Points Description:

The Grade Point Average (GPA) will be Computed from the grades as a measure of the student's performance. The GPA is based on the grades of the current semester, while the Cumulative GPA (CGPA) is based on the grades in all courses.

The marks obtained by a student will be converted into Letter Grade and Grade Point as follows:

| Marks  | Letter Grade | Grade Point | Description   |
|--------|--------------|-------------|---------------|
| 90-100 | O            | 10          | Outstanding   |
| 86-89  | A+           | 9           | Excellent     |
| 80-84  | A            | 8           | Very Good     |
| 70-79  | B+           | 7           | Good          |
| 60-69  | B            | 6           | Above Average |
| 50-59  | C            | 5           | Average       |
| 40-49  | P            | 4           | Pass          |
| ≤ 40   | F            | 0           | Fail          |
|        | Ab           | 0           | Absent        |

### Classification of degree

| Classification               | Overall letter Grade |
|------------------------------|----------------------|
| First class with Distinction | A+ and above         |
| First Class                  | A                    |
| Higher Second Class          | B+                   |
| Second Class                 | B                    |
| Pass                         | C to P               |

### ii. Computation of SGPA and CGPA

The following procedure will be applied in computing the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

1. SGPA indicates the performance of a student in a given semester. SGPA is based on the total credit points earned by the student in all the courses and the total number of credits assigned to the courses in a semester. The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses and the sum of the number of credits of all the courses undergone by the student i;e

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

Where  $C_i$  is the number of credits of the  $i^{th}$  course and  $G_i$  is the grade point scored by the student in the  $i^{th}$  course.

1. The Cumulative Grade Point Average (CGPA) is also calculated in the same manner taking into account all the courses undergone by a student over all the semester of a program, i;e.

$$CGPA = \frac{\sum (C_i \times S_i)}{\sum C_i}$$

Where  $S_i$  is the SGPA of  $i^{th}$  semester and  $C_i$  is the number of credits in that semester.


The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcript.

### iii. Format of Transcripts

The format of the transcripts will be as below:

Example for Computation of SGPA

| Semester | Course   | Credits | Letter Grade | Grade Point | Credit Point (Credit x Grade) |
|----------|----------|---------|--------------|-------------|-------------------------------|
| 1        | Course 1 | 3       | A            | 8           | 3x8=24                        |
| 1        | Course 2 | 4       | B+           | 7           | 4x7=28                        |
| 1        | Course 3 | 3       | B            | 6           | 3x6=18                        |
| 1        | Course 4 | 3       | O            | 10          | 3x10=30                       |
| 1        | Course 5 | 3       | C            | 5           | 3x5=15                        |
| 1        | Course 6 | 4       | B            | 6           | 4x6=24                        |
|          |          | 20      |              |             | 139                           |
|          |          |         | SGPA         |             | 139/6.95                      |





### Computation of CGPA

| Semester I                                          | Semester II | Semester III | Semester IV |
|-----------------------------------------------------|-------------|--------------|-------------|
| Credit-SGPA                                         | Credit-SGPA | Credit-SGPA  | Credit-SGPA |
| CGPA= (20X SGPA+ 20 X SGPA+ 20 X SGPA+20 X SGPA)/80 |             |              |             |

The SGPA and CGPA shall be rounded off to the second place of decimal.

#### iv. CGPA to Percentage Conversion

The following formula shall be used for conversion of CGPA to percentage

$$\text{Percentage} = \text{CGPA} \times 9.5$$

For example, the GPA is 8

$$\text{Multiple, i.e. } 8 \times 9.5 = 76\%$$

A ten point rating scale shall be used for the evaluation of the performance of the student to provide letter grade for each course and overall grade for the Master Program. Grade point are based on the total number of marks obtained by him/her in all the heads of examination of the course.

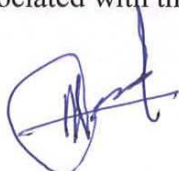
1. 40% of credits earned on par with the conventional mode of the respective courses if any through SWAYAM and other recognized platforms shall be considered for calculation of SGPA/CGPA.
2. Nonappearance, (Ab) in any examination /assessment shall be treated as the student has secured zero marks in that subject examination/assessment.
3. Minimum P Grade (4.00 Grade Point) shall be limit to clear /pass the course/Subject. A student with F Grade will be considered as **failed** in the concerned course and he/she has to clear the course by reappearing in the next successive semester examination.
4. Every student shall be awarded Grade Points out of maximum 10 points in each subject (Based on 10 point scale). Based on the Grade point obtained in each subjects, Semester Grade point Average (SGPA) and then Cumulative Grade Point Average (CGPA) shall be computed. Result will be announced at the end of each semester and cumulative Grade card with CGPA will be given on completion of the course.

#### 24. Grade Card:

The university shall issue at the beginning of each semester a grade card for the student, containing the grades obtained by the student in the previous semester and his Semester Grade Point Average (SGPA)

##### Grade card shall list

1. Title of the course along with code taken by the student
2. The credits associated with the course



3. The grade and Grade Points secured by the students
4. The total credits earned by the students in that semester
5. The SGPA of the student
6. The total credits earned by the students till that semester and
7. The CGPA of the student (At the end of the IV semester)

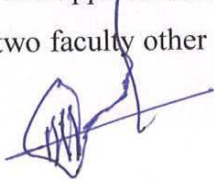
**25. Cumulative Grade Card:** At the end of the IV<sup>th</sup> Semester, the university shall issue Cumulative Grade Card to the students showing details of Grades obtained by the student in each applicable subject in all semesters along with CGPA and Total credits earned.

**26. Change of College/Transfer**

- a. Candidate shall be permitted for change of college only for the odd semesters by seeking admission within the stipulated period mentioned in the admission notification with the due consent from both the colleges. There shall not be any provision for transfer/change of college for even semesters. Further, candidate fails in lower semester examination shall not eligible for transfer/change of college within the Maharashtra University's affiliated colleges.
- b. The same shall be applicable for the candidate seeking transfer from the colleges of other University within or outside the state or country by producing the eligibility certificate issued by Maharashtra University with the confirmation of similarity of the programs with each other.
- c. Such transfer of admission shall be within the intake capacity of the respective class/ subject of the respective college.
- d. The degree of two years PG program shall be awarded from the university where the candidate has earned a maximum 50% of the credits prescribed for the program.

**27. Recounting, revaluation, challenge valuation, photo copying of answer papers**

1. There shall be provision for recounting of marks, revaluation, challenge valuation, and photo copying of answer papers. The university shall invite applications for such purpose immediately after announcing the results for every semester by giving 15 days' time to apply for the same.
2. Separate application for every course to be re-evaluated should be submitted by candidate in the all the prescribed form along with the prescribed fee to be received by BOE within 15 working days from the day of publishing the results.
3. Re-evaluation is applicable only for theory papers and is not be entertained for other components such as practical.
4. The application of re-valuation shall be submitted to BOE. The paper shall be re-validated by two faculty other than the first examiner. If the student is not satisfied with the re-evaluation,





he/she can challenge the award by paying a fee of Rs.500 per course. The BOE sends it to an external examiner, whose decision is final.

## **28. Grievance Committee**

1. Every university department/college shall constitute a “Grievance Committee” to examine the complaints received from the students regarding their internal assessment.
2. The committee shall consist of 3 or 4 faculty members.
3. The requests for review from the student’s concerned should reach the Grievance Committee through the Head of the Department/principal of the college within 15 days of the announcement of the results of that assessment.
4. If a student is not satisfied with the decision of Grievance Committee on his her grievance, Head of the University Department/ Principal of concern college on a request from the student, may refer the matter to the Director, BOE for getting the paper evaluated by an external examiner, whose evaluation is final. The fees for external evaluation in all such cases is decided by the University.
5. University shall constitute university level a Grievance Committee” to examine the complaints received from the students regarding their end semester assessment.
6. The Grievance committee is empowered to revise the grade if the case is genuine and is also empowered to penalize the candidate if his/her submission is found to be baseless and unduly motivated.

## **29. Rejection of Results**

- a) A candidate may be permitted to reject the result of the complete examination of any semester. Rejection of result course/paper wise or subject wise shall not be permitted.
- b) The candidate who has rejected the result shall appear immediately following the examination.
- c) The rejection shall be exercised only once in each semester, and the rejection once exercised shall not be revoked.
- d) Application for rejection of results and the payment of the prescribed fee shall be submitted to the Director, BOE through the college of study together with the original statement of marks within 30 days from the date of publication of the result.
- e) A candidate who rejects the result is eligible for only class and not for ranking.

## **30. Improvement of Results**

- a) A candidate who has passed in all the papers of a semester may be permitted to improve the result by reappearing for the whole examination of that semester.

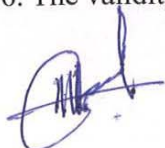


- b) The reappearance may be permitted during the period N+2 years (where N refers to duration of the program) without restricting it to the subsequent examination only.
- c) The student may be permitted to apply for improvement examination 45 days in advance of the pertinent semester examination whenever held.
- d) If a candidate passes in all the subjects in reappearance, higher of the two aggregate marks secured by the candidate shall be awarded for that semester. In case the candidate fails in the reappearance, candidate shall retain the earlier result.
- e) A candidate who has appeared for improvement examination is eligible for class/CGPA only and not for ranking.
- f) Internal assessment (IA) marks shall be shown separately. A candidate who wants to improve the result or who, having failed, takes the examination again or who has appeared for improvement shall retain the IA marks already obtained.
- g) A candidate who fails in any of the semester examinations may be permitted to take the examinations again at a subsequent appearance as per the syllabus and scheme of examination in vogue at the time the candidate took the examination for the first time. This facility shall be limited to the following two years.

### **31. Provision for Improvement of the Marks (Grade Point)**

There shall be a provision for candidates to reappear for the examination for the concerned course of theory papers only (subject) in which candidate wishes for improvement of his/ her grade point of SGPA in general and CGPA in total of the programme subject to the condition that:

1. The candidate shall be eligible to reappear for improvement of grade points only after successfully passing the program.
2. The candidate may opt for the examination for any number of courses (subject/paper) of the programme for improvement of grade point but not more than three times for each course (subject/paper) as per the prevailing syllabus of the examination conducted in the regular schedule of University examinations.
3. All such provisions are there within 04 years from successful completion of the programme, but not exceeding the period of 08 years of the duration of completion of the program.
4. In all such cases grade points are considered if there is a progress in such improvements, otherwise original grade points shall be retained.
5. Candidates opted for improvement shall be not be eligible for the award of Rank, Gold Medal, Cash Prize, etc.
6. The validity of credits earned will be for a maximum period of seven years or as specified by the





Academic Bank of Credits (ABC). The procedure for depositing credits earned, its shelf life, redemption of credits, would be as per UGC (Establishment and Operationalization of Academic Bank of Credits (ABC) scheme in Higher Education) Regulations, 2021/ Regulatory Authority.

### **33. Departmental Coordinators:**

The students will require proper guidance in selecting the courses of their choice in line with the curriculum of the department. Departmental Coordinator(s) will be appointed to guide the students in selecting the courses to ensure that they complete each level of courses in time.

### **34. Transitory Regulations**

Wherever there are changes in the syllabus, examinations based on the earlier syllabus are conducted for three consecutive times after implementation of the new syllabus in order to enable the students to clear the arrears. Beyond that period the students can take their examinations in similar courses, as per the new syllabus, on the recommendations of the Head of the department concerned.

Any other rules/regulations/guidelines amended issued from time to time by the university coming to effect immediately. In case of any regulation is not interpreted, Vice-Chancellor's decision will be final

### **35. Evaluation Committee for Multiple Entry and Exit**


With the provision of multiple entry and exit, students from other HEIs will be allowed entry to appropriate level. Evaluation Committee will be set up to see the eligibility of such students who desire to join the university from other HEIs with a lateral entry.

### **36. Power to Remove Difficulties**

Suppose any difficulty arises in giving effect to the provisions of these regulations. In that case, the Vice-Chancellor may by order make such provisions not inconsistent with the Act, Statutes, Ordinances or other Regulations, as appears to be necessary or expedient to remove the difficulty. Every order made under this rule shall be subject to ratification by the appropriate university authorities.

### **37. Modification to the Regulations**

Notwithstanding the foregoing, any amendments/modifications issued or notified by the University Grants Commission/ Higher Education Commission of India and its verticals such as National Higher Education Regulatory Council, General Education Council or the State Government, from time to time, shall be deemed to have been incorporated into these Regulations and shall constitute an integral part of these Regulations.

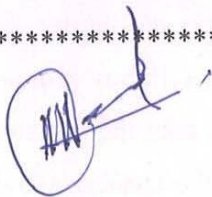


### 37.Repeal and Savings

The existing Regulations governing three years Bachelor degree programs in the faculties of Arts, Science and Commerce shall stand repealed. However, the above Regulations shall continue to be in force for the students who have been admitted to the course before the enforcement of this regulation.

1. Prof. R. D. Kulkarni Report
2. G. R. No. NEP/2022/ Pr. Kr. 09/ Vishi-3/Shikana dated 16 May 2023 (Structure and Credit distribution of PG Degree Program)

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| <b>Abbreviations</b> |           |                                                                                 |
|----------------------|-----------|---------------------------------------------------------------------------------|
| 1                    | ABC       | Academic Bank of Credits                                                        |
| 2                    | AICTE     | All India Council for Technical Education :All India Survey of Higher Education |
| 3                    | AISHE AIU | Association of Indian Universities                                              |
| 4                    | B.A.      | Bachelor of Arts                                                                |
| 5                    | B.Com.    | Bachelor of Commerce                                                            |
| 6                    | B.Ed.     | Bachelor of Education                                                           |
| 7                    | B.Sc.     | Bachelor of Science                                                             |
| 8                    | B.Voc.    | Bachelor of Vocation                                                            |
| 9                    | BCI       | Bar Council of India                                                            |
| 10                   | BLA       | Bachelor of Liberal Arts                                                        |
| 11                   | BLE       | Bachelor of Liberal Education                                                   |
| 12                   | BOD       | Board of Deans                                                                  |
| 13                   | BOS       | Board of Studies                                                                |
| 14                   | BoG       | Board of Governors                                                              |
| 15                   | CAD/CAM   | Computer-Aided Design/ Computer-Aided Manufacturing                             |
| 16                   | CBCS      | Based Credit System                                                             |
| 17                   | CDAC      | Centre for Development of Advanced Computing                                    |
| 18                   | CEP       | Continuing Education Programme Central Institute of Educational Technology      |
| 19                   | CIET      | Central Institute of Educational Technology                                     |
| 20                   | CSIR      | Council of Scientific and Industrial Research                                   |
| 21                   | CUET      | Common University Entrance Test                                                 |
| 22                   | CSR       | Corporate Social Responsibility                                                 |
| 23                   | CSTT      | Commission for Scientific and Technical Terminology                             |
| 24                   | CTE       | College of Teacher Education                                                    |
| 25                   | CU        | Central Universities                                                            |
| 26                   | DAE       | Department of Atomic Energy                                                     |
| 27                   | DARE      | Department of Agricultural Research and Education                               |

|    |        |                                                              |
|----|--------|--------------------------------------------------------------|
| 28 | DBT    | Department of Biotechnology                                  |
| 29 | DSC    | Department/ Subject Specific Course                          |
| 30 | DSE    | Department/ Subject Specific Electives                       |
| 31 | DST    | Department of Science and Technology                         |
| 32 | DTE    | Department/Directorate of Technical Education.               |
| 33 | EVLSC  | Professional Ethics, Value Education and Life Skills courses |
| 34 | FSC    | Faculty/ Discipline Specific Course                          |
| 35 | FSE    | Faculty/Discipline Specific Electives                        |
| 36 | FOSSEE | Free and Software in Education                               |
| 37 | GA     | Graded Accreditation                                         |
| 38 | GCCs   | Global Capability Centers                                    |
| 39 | GEC    | General Education Council                                    |
| 40 | GES    | Generic Electives                                            |
| 41 | GER    | Gross Enrolment Ratio                                        |
| 42 | Gol    | Government of India                                          |
| 43 | HBCSE  | Homi Bhabha Centre for Science Education                     |
| 44 | HEI    | Higher Education Institutions                                |
| 45 | HRDC   | Human Resource Development Centre                            |
| 46 | IAF    | Institutional Framework                                      |
| 47 | IASE   | Institute of Advanced Studies in Education                   |
| 48 | ICAR   | Indian Council of Agricultural Research                      |
| 49 | ICT    | Information and Communication Technology                     |
| 50 | IDP    | Institutional Development Plan                               |
| 51 | IIEC   | India International Education Centre                         |
| 52 | IIT    | Indian Institute of Technology                               |
| 53 | IKS    | Indian Knowledge System                                      |
| 54 | INI    | Institutions of National Importance                          |
| 55 | INSA   | Indian National Science Academy                              |
| 56 | ITI    | Industrial Training Institute                                |



|    |         |                                                                |
|----|---------|----------------------------------------------------------------|
| 57 | IUC     | Inter-University Consortium                                    |
| 58 | MERU    | Multidisciplinary Education and Research Universities          |
| 59 | MOE     | Ministry of Education                                          |
| 60 | MOOC    | Massive Open Online Course Memorandum of Understanding         |
| 61 | MoU     | Memorandum of Understanding                                    |
| 62 | MSDE    | Ministry of Skill Development and Entrepreneurship             |
| 63 | MSRIC   | Maharashtra State Research and Innovation Council              |
| 64 | MSME    | Micro, Small and Medium Enterprises                            |
| 65 | NAAC    | National Assessment and Accreditation Council                  |
| 66 | NASSCOM | National Association of Software and Services Companies        |
| 67 | NCC     | National Cadet Corps                                           |
| 68 | NCERT   | National Council of Educational Research and Training          |
| 69 | NCF     | National Curriculum Framework                                  |
| 70 | NCrF    | National Credit Framework                                      |
| 71 | NCTE    | National Council for Teacher Education                         |
| 72 | NCVET   | National Council for Vocational Education and Training         |
| 73 | NCVIE   | National Committee for the Integration of Vocational Education |
| 74 | NEET    | National Eligibility cum Entrance Test                         |
| 75 | NETF    | National Educational Technology Forum                          |
| 76 | NGO     | Non-Governmental Organization                                  |
| 77 | NHEQF   | : National Higher Education Qualifications Framework           |
| 78 | NHERA   | National Higher Education Regulatory Authority                 |
| 79 | NIEPA   | National Institute of Educational Planning and Administration  |
| 80 | NIOS    | National Institute of Open Schooling                           |
| 81 | NIT     | National Institutes of Technology                              |
| 82 | NITI    | Aayog National Institution for Transforming India              |
| 83 | NMEICT  | National Mission on Education through ICT                      |
| 84 | NPSDE   | National Policy on Skills Development and Entrepreneurship     |
| 85 | NQR     | National Qualifications Register                               |

|     |        |                                                             |
|-----|--------|-------------------------------------------------------------|
| 86  | NRED   | National Repository of Educational Data                     |
| 87  | NRF    | National Research Foundation                                |
| 88  | NROER  | National Repository of Open Educational Resources           |
| 89  | NSDA   | National Skill Development Agency                           |
| 90  | NSDC   | : National Skill Development Corporation                    |
| 91  | NSQF   | National Skills Qualifications Framework                    |
| 92  | NSS    | National Service Scheme                                     |
| 93  | NTA    | National Testing Agency                                     |
| 94  | ODL    | Open and Distance Learning                                  |
| 95  | OES    | Open Electives                                              |
| 96  | OER    | Open Educational Resources                                  |
| 97  | PG     | Postgraduate                                                |
| 98  | PSSB   | Professional Standard Setting Body                          |
| 99  | PTO    | Patent and Trademark Office                                 |
| 100 | RCI    | Rehabilitation Council of India                             |
| 101 | RHEI   | Registered Higher Education Institutions                    |
| 102 | RSA    | Rashtriya Shiksha Aayog                                     |
| 103 | RUSA   | Rashtriya Uchchatar Shiksha Abhiyan SC Scheduled Caste(s)   |
| 104 | SAMVAY | Skill Assessment Matrix for Vocational Advancement of Youth |
| 105 | SCERT  | State Council of Educational Research and Training          |
| 106 | SDG    | Sustainable Development Goals                               |
| 107 | SEC    | State Education Commission                                  |
| 108 | SEZ    | Special Education Zone"                                     |
| 109 | SHEC   | State Higher Education Council                              |
| 110 | SKP    | Skill Knowledge Provider                                    |
| 111 | SSC    | School Specific Course                                      |
| 112 | SSE    | School Specific Electives                                   |
| 113 | SSD    | Ms State Skill Development Mission                          |
| 114 | SSRA   | State School Regulatory Authority                           |



|     |        |                                                                 |
|-----|--------|-----------------------------------------------------------------|
| 115 | STEAM  | Science, Technology, Engineering, Art & Design, and Mathematics |
| 116 | STEM   | Science, Technology, Engineering and Mathematics                |
| 117 | SVE    | School of Vocational Education                                  |
| 118 | SWAYAM | Study Webs of Active Learning for Young Aspring Minds           |
| 119 | TEI    | Teacher Education Institution                                   |
| 120 | U-DISE | Unified District Infomanation System for Education              |
| 121 | UG     | Unergradute                                                     |
| 122 | UGC    | University Grants Commission                                    |
| 123 | UHV    | Universal human values                                          |
| 124 | VESB   | Vocational Education Skills Board                               |
|     |        |                                                                 |