

**CURRICULUM FRAMEWORK OF FOUR YEAR UNDER GRADUATE
PROGRAMME (FYUGP) 7th & 8th SEMESTER AND M.A/M.SC. 1st – 4th SEMESTER
(AS PER NEP 2020)
IN MADHABDEV UNIVERSITY**

1.0 Introduction

India is among the fastest-growing economies in the world. Knowledge creation and research are critical in sustaining economic growth. A robust ecosystem of research, with a vast talent pool, is perhaps more important than ever if India is to become a leading knowledge society and one of the largest economies in the world in the coming years and decades. For that to happen, the nation needs a significant expansion of its research capabilities and output across disciplines. The higher education sector is likely to expand significantly with the possible addition of more and more young Indians into higher education as India moves towards becoming a knowledge economy and society. A major thrust, therefore, is given in NEP 2020 with initiatives such as multidisciplinary education with multiple entry and exit options, research at the undergraduate level, learning outcomes-based curriculum approach, etc. The postgraduate programmes help students to extend their knowledge of their chosen subject and prepare them for higher research studies. The advanced knowledge and specialized skills they gain in the PG programme are crucial to sustaining the journey of a student from the acquirer of knowledge to the creator of knowledge. The re-structured degree programmes are promoted in both undergraduate and postgraduate education. The NEP 2020 states that “the undergraduate degree will be of either 3 or 4-year duration with appropriate certifications, e.g., a UG certificate after completing 1 year in a discipline or field including vocational and professional areas, or a UG diploma after 2 years of study, or a Bachelor’s degree after a 3-year programme. The 4-year multidisciplinary Bachelor's programme, however, shall be the preferred option since it allows the opportunity to experience the full range of holistic and multidisciplinary education in addition to a focus on the chosen major and minors as per the choices of the student”.

2.0. Recommendations of NEP 2020 relevant to Postgraduate Education:

- There may be a 2-year programme with the second year devoted entirely to research for those who have completed the 3-year Bachelor's programme.
- For students completing a 4-year Bachelor's programme with Honours/Honours with Research, there could be a 1-year Master's programme; and
- There may be an integrated 5-year Bachelor's/Master's programme.
- Universities will aim to offer Masters programmes in core areas such as Machine Learning as well as multidisciplinary fields "AI + X" and professional areas like health care, agriculture, and law.
- There shall be a National Higher Education Qualifications Framework (NHEQF). Higher education qualifications leading to a degree/diploma/certificate shall be described by the NHEQF in terms of such learning outcomes. Accordingly, the levels prescribed for the master's programme are levels 6, 6.5, and 7.
- PG framework should be in sync with National Credit Framework (NCrF) for the creditization of all learning and assignment, accumulation, storage, transfer & redemption of credits, subject to assessment

3.0. Main Features of the PG curriculum framework

Flexibility to move from one discipline of study to another; Flexibility for students who qualify UG with a major and minor (s) to opt for either major or minor(s) subject or any other subject if they are able to prove their competence in PG programme; Opportunity for learners to choose the courses of their interest; Flexibility to switch to alternative modes of learning (offline, ODL, Online learning, and hybrid modes of learning); Mobility and flexibility as per the UGC (Establishment and Operation of Academic Bank of Credits in Higher Education) Regulations, 2021, and UGC Guidelines for Multiple Entry and Exit in Academic Programmes offered in Higher Education Institutions. These documents are to facilitate the implementation of the proposed "Curriculum and Credit Framework for Postgraduate Programmes".

4.0. Credit requirement and Eligibility for the Master of Arts in Education Programme:

- A bachelor's degree with Honours/ Honours with Research with a minimum of 160 credits for a 1-year/2-semester PG programme at level 6.5 on the NHEQF.
- A 3-year/6-semester bachelor's degree with a minimum of 120 credits for a 2-year/4- semester PG programme at level 6.5 on the NHEQF.
- A 4-year Bachelor's degree (e.g. B.E., B.Tech. etc.) with a minimum of 160 credits for a 2-year/4-semester PG programme (e.g. M.E., M. Tech. etc.) at level 7 of NHEQF.
- A student is eligible for a PG programme in a discipline corresponding to either major or minor(s) discipline in UG programme. In this case, the University can admit the students in the PG programme based on the student's performance in the UG programme or through an entrance examination. However, irrespective of the major or minor disciplines chosen by a student in a UG programme, a student is eligible for admission in any discipline of PG programmes if the student qualifies the National level or University level entrance examination in the discipline of the PG programme.

5.0. Statement of the generic outcomes of learning at a Postgraduate level

Under the National Higher Education Qualifications Framework (NHEQF), higher education qualifications are classified along a continuum of levels from level 4.5 to level 8. The NHEQF levels represent a series of sequential stages expressed in terms of a range of learning outcomes against which typical qualifications are positioned/located. Learning outcomes, are statements of what the learner is expected to know, understand, and/or be able to do on the successful completion of an approved programme of study/learning at a specified level. Students on completion of the chosen programme(s) of study under the NHEQF must possess and demonstrate the graduate attributes defined in terms of the expected learning outcomes.

NHEQF level 4.5 represents learning outcomes appropriate to the first year (first two semesters) of the undergraduate programme of study, while Level 8 represents learning

outcomes appropriate to the doctoral-level programme of study. Detailed learning outcomes for the master’s programme are given in the National Higher Education Qualifications Framework. In accordance with the NHEQF, the levels for the Master of Arts in Education are given in the Table.1 as per UGC Curriculum & Credit Framework for Postgraduate Programmes.

| Sl. No. | Qualifications | Level | Credits | Credit Points |
|---------|-----------------------------|-------|---------|---------------|
| 1 | P.G. Diploma | 6 | 40 | 240 |
| 2 | 1-Year PG after a 4-year UG | 6.5 | 40 | 260 |
| 3 | 2-Year PG after a 3-year UG | 6.5 | 40+40 | 260 |

1.5 Graduate Attributes of PG Programmes:

Qualifications that signify completion of the postgraduate degree are awarded to students who:

i) have demonstrated knowledge and understanding that is founded upon and extends and/or enhances that typically associated with the first cycle, and that provides a basis or opportunity for originality in developing and/or applying ideas, often within a research context; ii) can apply their knowledge and understanding, and problem solving abilities in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their field of study; iii) have the ability to integrate knowledge and handle complexity, and formulate judgments with incomplete or limited information, but that include reflecting on social and ethical responsibilities linked to the application of their knowledge and judgments; iv) can communicate their conclusions, and the knowledge and rationale underpinning these, to specialist and non-specialist audiences clearly and unambiguously; v) have the learning skills to allow them to continue to study in a manner that may be largely self directed or autonomous. Accordingly, the NHEQF outlines the statement of learning achievements at a particular level on the basis of the following elements of descriptors:

- Knowledge and understanding
- General, technical, and professional skills required to perform and accomplish tasks
- Application of knowledge and skills

- Generic learning outcomes
- Constitutional, humanistic, ethical, and moral values
- Employability and job-ready skills, and entrepreneurship skills and capabilities/qualities and mindset.

7.0 Designs of Postgraduate Programme

According to the policy, HEIs will have the flexibility to have different designs of PG programme. Seemingly it appears there are three designs of PG such as 1-year PG, 2-year PG, and an integrated 5-year programme. However, given that in 4-year UG there are bachelor's (Hons.) and bachelor's (Hons. with Research), creditization of work experience, combinations of disciplines with emerging subjects such as AI, Machine Learning, etc. makes the number of curricular frameworks much higher. Accordingly, the higher education institutions prepare the curriculum as per the graduate attributes of the programme.

Curriculum framework of FYUGP (7th & 8th Semester)

| Year | Semester | Course (Lecture + Tutorial+ Practical) | No. of Course | Credit per Course | Total Credit |
|---|--------------------------|--|---------------|-------------------|--------------|
| IV | 7 th Semester | Major (Core) | 3 | 4 | 12 |
| | | Minor | 1 | 4 | 4 |
| | | Research Methodology | 1 | 4 | 4 |
| | | Seminar/Presentation/Internship/Research Project | 1 | 2 | 2 |
| | | Total | | | |
| | 8 th Semester | Major (Core) | 3 | 4 | 12/16 |
| | | Minor | 1 | 4 | 4 |
| | | Project/Dissertation | 1 | 8 | 8 |
| | | Field Works | 1 | 4 | 4 |
| | | Total | | | |
| Grand Total (Semester I, II, III, IV, V, VI, VII and VIII) | | | | | 174 |
| 4 year Under Graduate Degree (Honours) in Major discipline will be awarded who completes 174 credits. 4 year Under Graduate Degree (Honours with Research) will be awarded to those who secure 75% marks and above in the first six Semesters and who wish undertake research at Under Graduate level. Those students who progresses in 4 year Under Graduate Degree (Honours) in Major discipline have to complete one major paper in lieu of project. | | | | | |

Curriculum framework of M.A/M.Sc as per NEP 2020

| Year | Semester | Course (Lecture + Tutorial+ Practical) | No. of Course | Credit per Course | Total Credit | |
|-------------------------|------------------------------------|--|----------------------|--------------------------|---------------------|-----------|
| 1 st Year | 1 st Semester | Major (Core) | 3 | 4 | 12 | |
| | | Minor | 1 | 4 | 4 | |
| | | Research Methodology | 1 | 4 | 4 | |
| | | Seminar/Presentation/Internship/Research Project | 1 | 2 | 2 | |
| | Total | | | | | 22 |
| | 2 nd Semester | Major (Core) | 4 | 4 | 16 | |
| | | Minor | 1 | 4 | 4 | |
| | | Field Work | 1 | 4 | 4 | |
| Total | | | | | 24 | |

| Year | Semester | Course (Lecture + Tutorial+ Practical) | No. of Course | Credit per Course | Total Credit | |
|--|------------------------------------|---|----------------------|--------------------------|---------------------|--|
| 2 nd Year | 3 rd Semester | Major (Core) | 3 | 4 | 12 | |
| | | Major (Elective) | 1 | 4 | 4 | |
| | | Research Project | 1 | 4 | 4 | |
| | | Total | | | | |
| | 4 th Semester | Major (Core) | 3 | 4 | 12 | |
| | | Major (Elective) | 1 | 4 | 4 | |
| | | Research Project | 1 | 4 | 4 | |
| | | Total | | | | |
| Grand Total (Semester I, II, III, IV) | | | | | 88 | |