



**HBSU**

Dr.Homi Bhabha State University

**REPORT ON**

**CREDIT STRUCTURE AND OUTCOME BASED CURRICULUM**

**FOR**

**UNDERGRADUATE AND POSTGRADUATE**

**(To be Implemented from A.Y. 2023-24)**

**BASED ON**

**NATIONAL EDUCATION POLICY 2020**

**DR. HOMI BHABHA STATE UNIVERSITY, MUMBAI**



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**CREDIT STRUCTURE AND OUTCOME BASED CURRICULUM**

**FOR**

**FOUR YEAR UNDERGRADUATE**

**AND**

**FIVE YEAR INTEGRATED POSTGRADUATE**

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**DR. HOMI BHABHA STATE UNIVERSITY, MUMBAI**

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# **Dr. Homi Bhabha State University, Mumbai.**

## **Draft Report of the Committee Constituted for NEP Credit and Course Structure**

### **Four Year Undergraduate, Two Year Post Graduate and Five-Year Integrated Programmes as per the NEP-2020**

#### **To be Implemented from A.Y. 2023-24**

**Draft Regulations Governing the Choice Based Credit System (CBCS) Semester Scheme for the Undergraduate Degree Programme, Post Graduate Degree Programme and Integrated Degree Programmes under the Faculty of Arts, Science, Commerce and with Multiple Entry and Exit Options**

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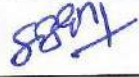
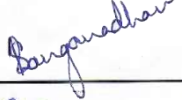








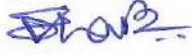
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#### **Abbreviations**

1. AEC - Ability Enhancement Course
2. B.A. - Bachelor of Arts
3. B. Com. - Bachelor of Commerce
4. B.Sc. - Bachelor of Science
5. DSC - Discipline Specific Core
6. DSE - Discipline Specific Elective
7. GE/OE- Generic Elective/Open Elective
8. NHEQF - National Higher Education Qualification Framework
9. SEC - Skill Enhancement Course
10. VAC - Value Addition Course
11. CBCS – Choice Based Credit System
12. HEIs- Higher Education Institutes
13. NCrF – National Credit Framework
14. NCVET - National Council for Vocational Education and Training
15. NEP - National Education Policy
16. NSEQF- National School Education Qualification Framework
17. NIOS - National Institute of Open Schooling
18. NSQF - National Skill Qualifications Framework
19. UGC - University Grants Commission
20. VET – Vocational Education and Training
21. ME-ME – Multiple Entry – Multiple Exit
22. UGCF – Under Graduate Curriculum Framework
23. VSEC- Vocational Skill and Skill Enhancement Courses
24. VSC- Vocational Skill Courses
25. IKS- Indian Knowledge System
26. VEC- Value Education Courses
27. OJT: On Job Training/Internship/Apprenticeship
28. FP- Field projects
29. CEP- Community engagement and service
30. CC- Co-Curricular Courses
31. RM- Research Methodology
32. RP- Research Project

**Draft Report of  
Committee Constituted for NEP Credit and Course Structure Composition**

We, the undersigned members of the Committee constituted for the NEP Credit and Course Structure Composition for Dr. Homi Bhabha State University for both Four Year Undergraduate and Five Year Integrated (Four Year in case of Education) programme constituted by Dr. Homi Bhabha State University, Mumbai vide order no Reg/HBSU/2022-23/2-141 of dated 15/12/2022, hereby submit our Draft Report.

Sr.No.	Name	Current Designation		Signature
1	Prof. Shrinivas Kulkarni	Professor, The Institute of Science, Mumbai	Chairman	
2	Prof. Sybil Thomas	Professor, Education, University of Mumbai	Invited Expert Member	
3	Prof. Ajay Chaudhari	Professor, The Institute of Science, Mumbai	Invited Expert Member	
4	Prof. Khushpat Jain	Professor, Sydenham College of Commerce and Economics, Mumbai	Invited Expert Member	
5	Ms. Sangita Joshi	Associate Professor, Elphinstone College, Mumbai	Invited Expert Member	
6	Dr. Sunil Sonawane	Principal, Secondary Training College, Mumbai	Member	
7	Dr. Anil Chougale	Associate Professor, Sydenham College of Commerce and Economics, Mumbai	Member	
8	Dr. Vilas Padhye	Associate Professor, Elphinstone College, Mumbai	Member	
9	Dr. Rahul Zanan	Assistant Professor, Elphinstone College, Mumbai	Member	
10	Dr. Kiran Sonawane	Assistant Professor, The Institute of Science, Mumbai	Member	
11.	Dr. Vishal Banewar	Nodal Officer & IQAC Director, Dr. Homi Bhabha State University, Mumbai	Member Secretary	

## Preamble

To fulfil the vision of the National Education Policy 2020 (NEP 2020), making education more holistic and effective and lay emphasis on the integration of General (Academic) Education, Vocational Education and Experiential Learning including relevant experience and professional levels acquired, it becomes imperative to establish and formalise a national credit accumulation and transfer system, which will integrate both General and Vocational Education, while ensuring mobility of candidates between the two systems.

For the state of Maharashtra, Dr. Mashelkar committee, Dr. Ravindra Kulkarni, Ex Pro-VC, Mumbai University and Steering Committee constituted by Government of Maharashtra for under the chairmanship of Prof. Nitin Karmalkar, Ex-VC, Savitribai Phule Pune University, Pune have suggested a model curriculum framework and an implementation plan. Its mission was to propose and support implementing plans and programmes that increase academic quality and the state's academic and Research environment. The suggested curricular framework aims to empower students by assisting them in their quest for total excellence.

The four-year multidisciplinary undergraduate programme is a significant shift in contemporary undergraduate education by replacing traditional undergraduate programmes. The curriculum is designed on the Outcome-Based Education (OBE) approach. *As a result, Dr. Homi Bhabha State University has decided to replace current undergraduate degree programmes in the Faculties of Arts, Science, Commerce, and Management with multidisciplinary and holistic education in all under-graduate and postgraduate programmes, with multiple entry and exit options.*

These Multidisciplinary Undergraduate and Postgraduate programmes aim to improve the student's community with the implementation of flexible and creative curricula. This encompasses a wide variety of disciplines in order to expose students to a broad range of information and experience while focusing on one or two areas. The curriculum would fulfil the significant knowledge criteria for vocational, professional, and skill development since it incorporates humanities, arts, social, physical, and mathematical sciences, life sciences, sports, and culture.

The Government of Maharashtra has established Dr. Homi Bhabha State University (HBSU) with multi-faculty constituent colleges viz. The Institute of Science, Elphinstone College, Sydenham College, and Secondary Training College, Mumbai. Dr. Homi Bhabha State University, Mumbai is a multi-faculty University in true sense. Hence the structure and durations of multidisciplinary degree programmes of HBSU are proposed to be modified in accordance with the guidelines of NEP 2020, NSQF and NCrF. The undergraduate degree is structured for four years with multiple exit options, with fulfilment of norms and appropriate certifications. Students will be eligible for obtaining a Certificate after one year of study; a Diploma after two years of study; and a Bachelor's degree after a three-year programme. Students can pursue a four-year multidisciplinary Bachelor's degree (Honours/Research) to gain exposure to the whole spectrum of holistic education, while focusing on their chosen major and minor areas.

- If the student exits after three years, he/she will be awarded a Bachelor's degree with Major subject provided he/she fulfils the stipulated norms.
- If the student opts for lab work/internship in the fourth year, he/she will be awarded Bachelor's (Honours) degree subject to the fulfilment of norms.
- If the student opts for a dissertation/research-based field project in the fourth year, he/she will be awarded Bachelor's (Research) degree subject to the fulfilment of norms.

The postgraduate degree is structured for Two-year Masters (PG) and Five-year Integrated (UG-PG) Program with multiple exits. For a Five-year integrated UG-PG programme, students will be eligible to obtain a Certificate after one year of study; a Diploma after two years of study, and a Bachelor's degree after a three-year programme. No exit option will be available after fourth year for students enrolled for a Five-year Integrated (UG-PG) programme. Students enrolled for a regular Two-year Master program will

be eligible to obtain a PG diploma in the respective faculty/subject/discipline after exit at the end of first year on the fulfilment of norms.

Students with four-year bachelor's degree will be eligible for admission to second year of PG program after fulfilment of norms.

As NEP is based on a Choice Based Credit System (CBCS), the accumulated credits of a student will be digitally stored in the Academic Bank of Credit (ABC) system. If a HBSU student chooses to transfer to a different Higher Education Institution (HEI) to study a particular course, the previous semester credits will be digitally transferred to the new HEI. The credits earned by the student will be transferable across numerous recognised higher education institutions within the state/country, allowing degrees to be awarded from any of the HEIs based on the credits earned. The 4-year undergraduate programme will lead to a degree with Research, if a student completes a research project as per the curriculum. Students will be exposed to a wide range of disciplines due to the flexibility of choosing intra-disciplinary, interdisciplinary, and skill-based courses, resulting in holistic learning and training. This will be ensured with the innovative and improved course curriculum with a paradigm shift in pedagogy and evaluation.

**The NCrF credit levels for higher education from Level 4.5. to level 8 [Undergraduate Levels 4.5, 5.0, 5.5 & 6.0, Post Graduate Levels 6.0, 6.5 & 7.0, and PhD Level 8].**

The total Credit Points earned by the student will be obtained by multiplying the credits earned with the NCrF Level at which the credits have been earned. The credit points will be redeemed as per the guidelines of Academic Bank of Credit (ABC) for entry or admission in school, higher, technical, or vocational education programs/ courses at multiple levels enabling horizontal and vertical mobility with various lateral entry options.

In addition to the credits for higher education, the Academic Bank of Credit (ABC) will also be being expanded for credits earned through school education, vocational education and skilling, apprenticeships, internships, project work etc. ABC will digitally store the academic and other credits earned from recognized institutions so that credits could be redeemed and the relevant award granted considering the credits earned at various NCrF levels. The credits will also be linked to Digi locker for easy verification and portability.

In accordance with NEP 2020 and NCrF guidelines following regulations are proposed for UG and PG programs of HBSU.

## 1. REGULATIONS

- The HBSU UG and PG programmes will have multiple entry/exit options.
- Exit options will be provided to students at the end of the second, fourth and sixth semester of a degree programme with Certification, Diploma, and basic Bachelor's degree respectively. Students will receive a Bachelor's degree with Honours or Honours with Research on successfully completing all eight semesters of the Undergraduate Program either at a stretch or with opted exits and re-entries.
- Students will be eligible for Doctoral/Research Programme after successful completion of a Four-year Undergraduate Honours with Research Degree, subject to fulfilment of stipulated norms laid down by regulatory bodies from time to time.
- Students with Two-year Master's Degree in the relevant subjects will be eligible for Doctoral/Research Programme subject to fulfilment of stipulated norms laid down by regulatory bodies from time to time.
- Students will have exit options in Five-Years Integrated Master's Degree programme at the end of the first (certificate), second (diploma) and third year (Bachelor's degree) with fulfilment of norms.
- Students, opting for exits at any level, will have the option to re-enter the programme from where they had left off, within three years of exit and complete the degree programme within the stipulated maximum period of five years from the date of admission to first year UG. Re-entry at various levels for lateral entrants in academic programmes will be based on the earned and valid credits as-deposited and accumulated in the Academic Bank of Credits (ABC) through Registered Higher Education Institutions (RHEI) and proficiency test records. Lateral entry into the programme of study leading to the UG Diploma/ Three-year UG Degree/ four-year Bachelor's Degree with Honours /Honours with Research will be based on the validation of prior learning outcomes achieved and subject to availability based on intake capacity. (This will not applicable for a five-year integrated program as re-entry is not permitted).
- The curriculum combines conceptual understanding with practical involvement and thinking to impart applicable knowledge through laboratory experiences, field work, internships, workshops, and research projects.
- All students will take a few required courses that will help them to expand their horizons.
- Students will select a 'major discipline' and a 'minor discipline' from a list of disciplines/subjects provided by the institution. Students are expected to gain in-depth disciplinary understanding through theoretical and practical experiences, as well as an adequate knowledge base that is studied as a 'minor discipline.' Students can choose subject combinations across the streams.
- Student will have to select one of the two disciplines in first year as Major and the other as Minor.
- Skills must be explicitly integrated, prominently exhibited, taught in context, and evaluated explicitly. The skills shall include language, communication, and life skills, and working in various teams such as critical thinking, problem-solving and data analysis.
- Students will have the option of selecting courses like AEC, OE, SEC, VEC, CC etc from a range of alternatives provided by the University from time to time.

## 2. CHOICE BASED CREDIT SYSTEM (CBCS)

Each course carries a defined number of credits. The credits are based on the course structure, including the teaching mode and the number of contact hours for lecture, tutorial, and practical classes. One hour of theory/tutorial teaching per week equals one credit, and two hours of laboratory/demonstration classes per week equals one credit. Credits are considered based on the number of contact hours, course content, teaching methodology, allotted maximum marks.

While calculating the grading, one credit is equal to 25 marks in a semester. Thus, 4 credit courses will receive 100 marks, 2 credit courses will receive 50 marks, and a single credit course will receive 25 marks. The proportion of marks earned in a course and the credits given to that course will be used to calculate the Semester Grade Point Average (SGPA) or Cumulative Grade Point Average (CGPA).

General Education credit refers to a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching [lecture or tutorial] or two hours of practical work/field work per week. Accordingly, one Credit would mean equivalent to 15 hrs of theory or 30 hrs of workshop/ lab/Internship/OJT/FP/CEP/CC work per semester.

For the ease of calculation, the break -up of credit with respect to general education component is as in the table below:

**Table 1: Break-Up of Credits**

<p style="text-align: center;"><b>Theory</b></p> <p style="text-align: center;"><b>1 Credit = 15 hours</b></p>	<p style="text-align: center;"><b>Practical</b></p> <p style="text-align: center;"><b>1 Credit = 30 hours</b></p>	<p style="text-align: center;"><b>Experiential learning including relevant experience and professional levels acquired</b></p> <p style="text-align: center;"><b>1 Credit = 30 hours</b></p>
<ul style="list-style-type: none"> <li>• In each theory class, a new concept will be taught and the student will be able to learn something new throughout the class.</li> <li>• It will also involve self-learning.</li> </ul>	<ul style="list-style-type: none"> <li>• The practical will be dependent on theory and experiments performed will be based on concepts learned in theory class to make the theory clearer.</li> <li>• Repetition of an already learned concept.</li> </ul>	<p>Experiential learning including relevant experience and professional levels acquired activities like field visits, industrial visits, etc carry lesser weightage because it will just be an observation and / or application of concepts learned in theory.</p>

**Credits will be used to quantify the relative value of the subjects. The result will be declared based on Semester Grade Point Average (SGPA), or Cumulative Grade Point Average (CGPA) earned.**

### 3. DEFINITIONS OF KEYWORDS

- a) **Academic Year:** Two consecutive (one odd + one even) semesters constitute one academic year.
- b) **Choice Based Credit System (CBCS):** The CBCS will provides options for students to select courses from the prescribed courses (core, open elective, discipline elective, ability and skill enhancement language, soft skill courses and so on).
- c) **Course:** Usually referred to as ‘papers’ is a component of a programme. All courses need not carry the same weight. The courses will define learning objectives and learning outcomes. A course will be designed to comprise lectures / tutorials / laboratory work / field work / project work / vocational training / viva / seminars / term papers / assignments/ presentations / self-study or a combination of some of these.
- d) **Credit-Based Semester System (CBSS):** Under the CBSS, the requirement for awarding a degree /diploma /certificate is prescribed in terms of the number of credits to be earned.
- e) **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week in a semester. One credit is equivalent to one hour of lecture or tutorial or two hours of practical work/field work per week in a semester. It will generally be equal to 15 hours of instructions.
- f) **Grade Point:** It is a numerical weight allotted to each letter grade on a 10-point scale.
- g) **Credit Point:** It is the product of grade points and the number of credits for a course.
- h) **Letter Grade:** It is an index of the performance of students in a said course. Grades are denoted by letters O, A+, A, B+, B, C, D and F.
- i) **Programme:** A programme leading to the award of a degree, diploma, or Certificate.
- j) **Semester:** Each semester will consist of over 15 weeks of academic work equivalent to 90 actual teaching days. The odd semester may be generally scheduled from June to November and even semester from January to May.
- k) **Semester Grade Point Average (SGPA):** It is a measure of performance of work done in a semester. It is the ratio of total credit points secured by a student in various courses registered in a semester and the full course credits taken during that semester. It shall be expressed up to two decimal places.
- l) **Cumulative Grade Point Average (CGPA):** It measures the overall cumulative performance of a student over all the semesters of a programme. The CGPA is the ratio of total credit points secured by a student in various courses in all the semesters and the sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.
- m) **Transcript or Grade Card or Certificate:** Based on the grades earned, a graded certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, number of credits, grade secured).

**Abbreviations:** *Generic/ Open Electives: OE; Vocational Skill and Skill Enhancement Courses: VSEC; Vocational Skill Courses: VSC; Skill Enhancement Courses: SEC; Ability Enhancement Courses: AEC; Indian Knowledge System: IKS; Value Education Courses: VEC; On Job Training: Internship /Apprenticeship; Field projects OJT/ FP; Community engagement and service: CEP; Co-curricular Courses: CC; RM: Research Methodology; Research Project: RP*

## **4. PROGRAMMES**

### **Faculty of Arts**

- a) Bachelor of Arts - (B.A. Honours/ Honours with Research)
- b) Master of Arts (Integrated) –BA-MA (Integrated)
- c) Master of Arts (M.A.)
- d) Ph.D.

### **Faculty of Science**

- a) Bachelor of Science (B.Sc. Honours/ Honours with Research)
- b) Master of Science (Integrated) –BS-MS (Integrated)
- c) Master of Science (M.Sc.)
- d) Ph.D.

### **Faculty of Commerce and Management**

- a) Bachelor of Commerce (B.Com. Honours/ Honours with Research)
- b) Bachelor of Banking and Insurance (BBI Honours/ Honours with Research)
- c) Bachelor of Business Administration (BBA Honours/ Honours with Research)
- d) Master of Commerce (Integrated) –B.Com.-M.Com. (Integrated)
- e) Master of Commerce (M.Com.)
- f) Ph.D.

## 5.ASSIGNMENT OF CREDITS IN NATIONAL CREDIT FRAMEWORK

### Credits Assigned by Virtue of Academic Education

All programs offered will have a minimum notional learning hours of 1200 hours with 40 credits per year. There will be a basket/pool of courses in addition to the flagship programs keeping in view the industry and user organizations. The students also have a choice to take additional courses/ programs/subjects/projects beyond 40-44 credits to get additional credits. These additional credits earned will not be reflected on the scorecard.

The assignment of credits as prescribed under NHEQF, for all streams including science/ commerce/ arts and multidisciplinary is as given below:

### *NCrF levels and Credit Assignment in Higher Education*

Sr. No	Examples Of Higher Education Qualifications Located Within Each Level (Including Science/ Arts. Commerce And Vocational)	Total Learning Hours Per Year	Total Credits Per Year	National Credit Framework (NCrF) Credit Levels	Credits Points
C-1	C-2	C-3	C-4	C-5	C-6 (C-4 X C-5)
1	<b>Undergraduate Certificate</b> Programme duration: first year (first two semesters) of any undergraduate programme	1200	40	4.5	180
2	<b>Undergraduate Diploma</b> Programme duration: first two years (first four semesters) of any undergraduate programme.	1200	40	5	200
3	<b>Bachelor's Degree</b> Programme duration: three years (Six semesters) of any undergraduate programme.	1200	40	5.5	220
4	<b>Bachelor's Degree (Honours /Research)</b> Programme duration: four years (eight semesters) of any undergraduate programme.	1200	40	6	240
5	<b>Post-Graduate Diploma</b> Programme duration: One year (2 semesters) after three years bachelor's degree	1200	40	6	240

<b>6</b>	<b>Master's Degree</b> Programme duration: One year (two semesters) after obtaining a 4-year Bachelor's degree (Honours/Honours with Research).	1200	40	6.5	260
<b>7</b>	<b>Master's Degree</b> Programme duration: two years (four semesters) after obtaining a 3-year Bachelor's degree.	1200	40	6.5	260
<b>8</b>	<b>Doctoral degree</b>	1200	40	8.0	320

## 6. Establishing Entry Eligibility Through Credit Framework

The credit points earned and accumulated will be used to determine the eligibility for taking admission in various programs at multiple levels, subject to fulfilment of the following broad principles laid down under NCrf and the acceptance of these credit points by the University. While the detailed transfer mechanism indicating entry eligibility at various levels for various streams shall be defined by individual regulators, following conditions are required to be fulfilled:

- a. The educational institute providing the credits and the institute accepting the credits are in mutual agreement while transferring the credits, without the need for further equivalence certificate for each student. Since a similar program being offered by two different institutions may have variation, it is expected that the institutions permitting transfer of credits will have mutual understanding. The accepting institutes, if they so desire, may also supplement their program with a bridge course.
- b. **Once the eligibility criteria for various programs is established, the University may devise appropriate policy changes.**
- c. As regards the assessment of the students with exceptional achievements/ performance in games and sports, performing/ fine arts, Social Work, NCC, or other similar subjects/ category is concerned, the same can be defined/ prescribed based on their level of competition (State level/ National level, International level/ Commonwealth/ Olympics/ World Championships etc), the level of representation (District/ State/ National/ International), medal/ distinction achieved in team/ individual events, and such exceptional performance can be treated equivalent to an assessment. The modalities however, will be defined/ prescribed by the University.

## **6.1 Establishing Multiple Entry and Multiple Exit (ME-ME) Pathways**

**i. In case of the undergraduate degree, the multiple entry and exit options, shall be as mentioned below:**

- Certificate after completing one year in a discipline or field including vocational and professional areas.
- A diploma after two years of study.
- A bachelor's degree after a three-year programme.
- A bachelor's degree with Honours or Honours with Research in case of a 4-year bachelor program.

**ii. For the Master's programmes:**

- A two-year programme for those who have completed the three-year Bachelor's programme.
- A one-year Master's programme for students who have completed a four-year Bachelor's programme with Honours or Honours with Research.
- An integrated five-year UG-PG programme with an option to exit at the end of the third year with a Bachelor's degree, with entry to a 2-year Master's programme in any HEI.

## **6.2 Credits for Additional Learning**

The total outcome-based learning hours for credits shall, subject to assessment, include:

- Classroom teaching/ learning hours
- Lab work/ innovation labs/ projects
- Yearly and half-yearly examinations/ class tests/ quiz/ assessments including formative assessments
- Experiential learning including relevant experience and professional levels acquired activity hours
- Performing arts, music, handicraft work,
- Debate and Discussion/ Essay Writing / Recitation Competition
- Story Writing competition
- Celebration of festivals in institutes, music performance, Drama.
- Sports/ games / physical activity / yoga
- Life skills including employment skills
- Social/ community work/ NCC/ Shramadan: School cleaning, building, decoration
- Bag less days, field visits organized by the institution
- Vocational education/ training, skilling, minor/ major project work, assignments
- Field visits/ Industry attachment by institutions
- Internship and apprenticeship hours, on the job training (OJT), and Experiential learning including relevant experience and professional levels acquired
- Online/ digital learning
- Self-study/ Home assignments (for NIOS)
- Any other type of learning as may be notified by the regulators concerned

## 7. UGC GUIDELINES FOR PROVIDING SKILL-BASED EDUCATION UNDER NATIONAL SKILL QUALIFICATION FRAMEWORK (NSQF)

Under these guidelines, the skill-based programmes will have a mix of general and skill components in which 30-40% of the total content will be of general nature including language courses while the remaining 60% (extendable up to 70%) of the content will be on skill development. In such programs the following formula will used for conversion of time into credit hours.:

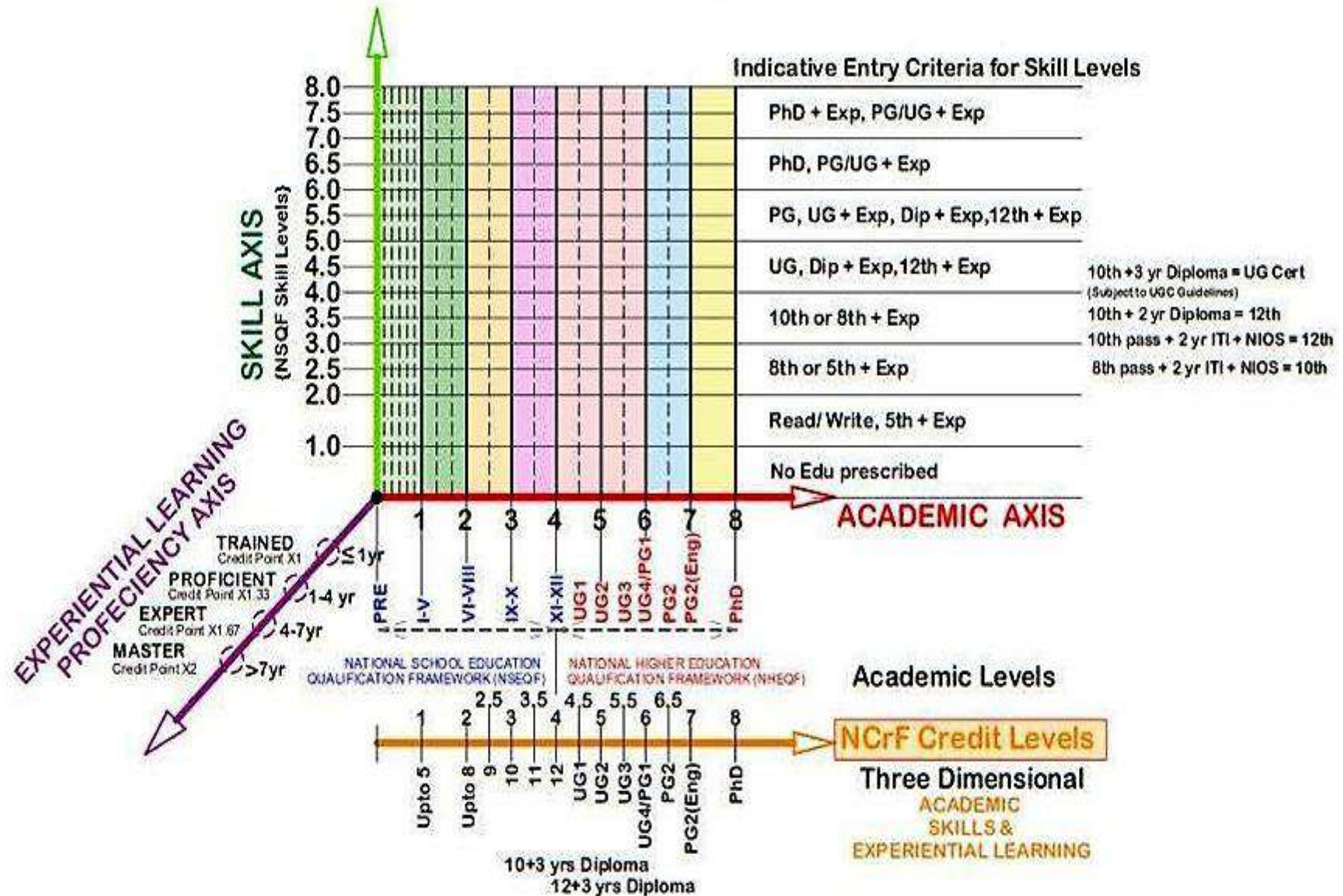
- a. **Skill Component:** The skill component will have a minimum of 60% (extendable up to a maximum of 70%) of the total credits. The skill component will include practical classes in laboratories / workshops, internships, apprenticeships, and any other forms of hands-on training.
- b. **General Education Component:** The balance credits of the program i.e. 30-40% are of general component. This will include curricula which are supportive to the core trade in addition to communication skills, soft skills, digital skills, critical thinking, problem solving skills, environmental studies, and value education.

The National Skills Qualifications Framework (NSQF) is a competency-based framework that organizes qualifications according to a series of knowledge, skills, and aptitude. The NSQF levels, graded from one to ten, are defined in terms of learning outcomes which the learner must possess regardless of whether they are obtained through formal, non-formal or informal learning. National Occupational Standards (NOS) are statements of the skills, knowledge and understanding needed for effective performance in a job role and are expressed as outcomes of competent performance. NSQF list down what an individual performing that task should know and are able to do. These standards can form the benchmarks for various education and training programs to match with the job requirements. Just as each job role may require the performance of several tasks, the combination of NOSs corresponding to these tasks form the Qualification Pack (QP) for that job role. The NOSs and QPs for each job role corresponding to each level of the NSQF are being formulated by the respective Sector Skill Councils (SSCs) set up by National Skill Development Corporation (NSDC) with industry leadership. The curriculum, which is based on NOSs and QPs, will thus automatically comply with NSQF.

General Education must be synchronized/ aligned with skill and Vocational Education as per National Skills Qualifications Framework. The level descriptors are given below as described in UGC Guidelines on National Skills Qualifications Framework. The curriculum should be designed in a manner that at the end of year-1, year-2 and year-3, students are able to meet the below-mentioned level descriptors for Levels 5, 6 and 7 of NSQF, respectively.

<b>Levels</b>	<b>Process required</b>	<b>Professional knowledge</b>	<b>Professional skill</b>	<b>Core skill</b>	<b>Responsibility</b>
<b>Level 5</b>	A job that requires well-developed skill, with a clear choice of procedures in a familiar context	Knowledge of facts, principles, processes, and general concepts in a field of work or study	A range of cognitive and practical skills is required to accomplish tasks and solve problems by selecting and applying basic methods, tools, materials and information	Desired mathematical skill, understanding of social, political and some skill of collecting and organizing information, communication.	Responsibility for own work and learning & some responsibility for other's works and learning
<b>Level 6</b>	Demands wide range of specialized technical skill, clarity of knowledge and practice in a broad range of activities involving standard / non-standard practices	Factual and Theoretical knowledge in broad contexts within a field of work or study	A range of cognitive and practical skills required to generate solutions to specific problems in an area of work or study	Reasonably good in the mathematical calculation, understanding of social, political and, reasonability good in data collecting organising information, and logical communication	Responsibility for own work and learning and full responsibility or other's works and learning
<b>Level 7</b>	Requires command of wide-ranging specialised theoretical and practical skill, involving variable routine and non-routine context	Wide-ranging, factual and theoretical knowledge in broad contexts within a field of work or study	Wide range of cognitive and practical skills required to generate solutions to specific problems in an area of work or study	Good logical and mathematical skill; understanding of Social, political and natural environment; ability in collecting and organising information, communication and presentation skill	Full responsibility for output of group and development

# The 3 Dimensions of Credit Assignment-(NCrF)



## 8. DEFINITIONS

**1. Academic credit** – An academic credit is a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.

**2. Courses of study** – Courses of the study indicate pursuance of study in a particular discipline. Every discipline shall offer three categories of courses of study, viz. **Discipline Specific Core courses (DSCs), Discipline Specific Electives (DSEs) and Generic Electives (GEs).**

**a) Discipline Specific Core (DSC):** Discipline Specific Core is a course of study, which should be pursued by a student as a mandatory requirement of his/her programme of study. DSCs shall be the core credit courses of that discipline which will be appropriately graded and arranged across the semesters of study, being undertaken by the student, with multiple exit options as per NEP 2020. The DSCs specified in the framework would be identified by the concerned Department as core courses to be taught in a Programme. For example, for award of single discipline specific Honours degree, such as B.A. (Honours) History, B.Com. (Honours), B.Sc. (Honours) Physics and similar such programmes, DSCs shall be the core courses of History, Commerce and Physics, respectively.

**b) Discipline Specific Elective (DSE):** The Discipline Specific Electives (DSEs) shall be a pool of credit courses of that discipline (single discipline programme of study) or those disciplines (multidisciplinary programme of study), as the case may be, which a student chooses to study from his/her discipline(s). There shall be a pool of DSEs from which a student may choose a course of study. The DSEs specified in the framework would be identified by the concerned Department as elective courses to be taught in a Programme.

*For example, to pursue B.Sc. (Honours) Physics, DSEs chosen should be from a pool of DSEs of Physics.*

*Similarly, to pursue B.Sc. (Honours) Life Sciences programme, the DSEs chosen should be a pool of courses of DSEs of Botany, Zoology and Chemistry, the core subjects for this programme of study.*

**c) Indian Knowledge System (IKS): Courses on Indian Knowledge System (IKS)**

The concerned academic authorities, while defining the curriculum for modules/ courses on IKS, may take the support of the Indian Knowledge System (IKS) Cell under the Ministry of Education (MoE) at AICTE, New Delhi which is established to promote interdisciplinary research on all aspects of IKS, preserve and disseminate IKS for further research and societal applications. The IKS Cell has established multiple IKS Centres at different Institutes in various parts of the country to act as a catalyst for initiating research, education, and outreach activities. In addition, the list of courses may be developed and offered in online or offline mode by the parent university or the specialized HEIs.

The courses to be developed under the Indian Knowledge Systems (IKS) are as follows

- i. **Generic IKS Course:** These are expected to contain basic knowledge of the IKS subject. It should contain introductory information to the IKS. The student should be able to acquire a basic knowledge after completion of the course.
- ii. **Subject Specific IKS Courses:** These courses should contain advanced information pertaining to the subject as these will be considered as a part of the major credit. The student should have completed the Generic level as a prerequisite before enrolling in the discipline related course.

The universities will evolve their own IKS subject-related courses.

**d) Open Elective (OE)/Generic Elective (GE):** Generic Electives will be a pool of courses which is meant to provide multidisciplinary or interdisciplinary education to students. GEs will consist of a pool of courses offered by various disciplines from which a student can choose (excluding the GEs offered by the Major/Minor discipline opted by the student). The GEs specified in the framework would be identified by the concerned Department as GEs to be taught in a Programme.

**e) Ability Enhancement course (AEC), Skill Enhancement Course (SEC) & Value Education Course (VEC):** These three courses will be a pool of courses offered by all the Departments in groups of odd and even semesters from which students can choose. A student who desires to make Academic Project/Entrepreneurship as Minor must pick the appropriate combination of courses of GE, SEC, VAC, & Internship/ Apprenticeship/Project/ Community (IAPC) which shall be offered in the form of various modules as specified in the scheme of studies.

- i. **AEC** courses are the courses based upon the content that leads to knowledge enhancement through various areas of study. They are Language and Literature and Environmental Science and Sustainable Development which will be mandatory for all disciplines.
- ii. **SEC** are skill-based courses in all disciplines and are aimed at providing hands-on training, competencies, proficiency, and skills to students. SEC courses may be chosen from a pool of courses designed to provide skill-based instruction. Every discipline may provide skill-based courses, some of which may be offered to students of its discipline while the rest can be open to students of all other disciplines.
- iii. **VEC** courses are common pool of courses offered by different disciplines and aimed towards personality building; embedding ethical, cultural, and constitutional values; promote critical thinking, Indian Knowledge Systems, scientific temperament, communication skills, creative writing, presentation skills, sports & physical education and team work which will help in all round development of students.

**f) Foundation/ Discipline- based Introductory Courses:** Foundation /Introductory courses bridge the gap for a student if they have not got a basic groundwork in a specific area of discipline. These courses will supplement in better understanding of how to integrate knowledge to application into a society.

#### **Skill Enhancement/Development Courses**

There are four skill enhancement/development courses in the first six semesters as prescribed by the concerned faculty and approved by the Academic Council. The SEC courses may include courses on Digital Fluency/ Financial Literacy/ Banking & Finance, Artificial Intelligence/ Creativity and Innovation, Cyber Security/ Entrepreneurship, Building Mathematical Ability, Critical thinking & Problem solving/ Entrepreneurship, Professional Communication, Science and Society/ Cultural Awareness, Disaster Management etc.

## **9. LANGUAGES**

Two languages are to be studied out of which one shall be English, and the other shall be either Marathi and/or an Indian language or any foreign language. For example: Sanskrit, Hindi, Tamil, Telugu, Malayalam, Marathi, Konkani, Urdu, Persian, Arabic, German, French, Latin, Russian, Japanese and any other language prescribed/ approved by the University.

Speech/hearing/visually impaired/mentally challenged and study disabled students will be provided with audio-visual aids, braille, and other such relevant study material. These students will also be eligible for assistance/writer in examinations.

## **10. CORE SUBJECTS**

### **a) BA Degree / Honours Degree Programme: Arts Subjects**

The core subjects that a candidate can choose under the Faculty of Arts may include the following: English, Marathi, Hindi, Geography, Political Science, History, Sociology, Economics, Psychology, and such other subjects permitted by the University from time to time.

**b) B.Sc. Degree / Honours Degree and M. Sc. Degree Programmes:** Science Subjects Biotechnology, Botany, Chemistry, Mathematics, Microbiology, Physics, Zoology, IT, Biochemistry, and such other subjects permitted by the University from time to time.

**c) B.Com. Degree/ Honours Degree Programme**

The core subjects that a candidate can choose under the Faculty of Commerce and Management may include Accountancy, Business Management, Management Studies, Banking and Insurance, Accounting and Finance and such other subjects permitted by the University from time to time.

**11. FIELD PROJECTS / INTERNSHIP / APPRENTICESHIP / COMMUNITY ENGAGEMENT AND SERVICES / VALUE ADDED COURSE**

- a) Environmental Science (EVS) and Constitution of India (CoI) will be mandatory in the first and second semester respectively.
- b) A student shall opt for any two of the following activities from the pool of Value-added Courses (VAC) offered in the college in the third and fourth semesters of the undergraduate programmes. Each activity will be internally assessed for 50 marks per credit (minimum 45 hours per credit).
- Physical Education or Activities related to Yoga/ Sports and Games
  - N.S.S. / N.C.C / Ranger and Rovers/ Red Cross
  - Field studies / Industry Implant Training
  - Involvement in campus publication or other publications
  - Publication of articles in newspapers, magazines
  - Community work such as promoting the values of National Integration, Environment, Human rights and duties, Peace, Civic sense etc.
  - A Small project work concerning the achievements of India in different fields
  - Evolution of study groups/seminar circles on Indian thoughts and ideas
  - Activity exploring different aspects of Indian civilisations
  - Involvement in popularization programs such as scientific temper
  - Innovative compositions and creations in music, performing and visual arts etc.
  - Any other University-approved activities, such as Cultural Activities.

Evaluation of Co-curricular and Extension Activities shall be as per the procedure evolved by the University from time to time.

- c) The student shall opt for lab/ field projects / internship / apprenticeship from the fifth semester onwards. Lab work will be assessed for 30 hours per credit, and field projects / internship / apprenticeship will be internally assessed for 45 hours per credit.

**12. EXAMINATION and EVALUATION**

As suggested in NEP 2020, continuous internal evaluation is proposed. Total evaluation is proposed in a 60:40 ratio for external: internal evaluation. There will be no internal evaluation for lab courses (Excluding project/dissertation).

## Evaluation Structure and Marking Scheme of Assessment

### *For Example: Scheme of Examination and Passing for Faculty of Science:*

- The student will have to have minimum of 75% attendance in each head of evaluation.
- Candidates are expected to pass separately in theory (Internal and external), and practical examination. Minimum marks for passing in the subject would be 40 % in each separate head of evaluation for Theory (Internal), Theory (External) and practical examination.
- 60% External Assessment and 40% Internal Assessment only for theory-based papers (No internal assessment for practical/ project/OJT/CC/RP)
- Internal Assessment:
  - Internal assessment to be conducted by department teachers (Continuous Evaluation).
  - Internal assessment marks should be submitted to the University one month prior to the final examination.
- The distribution of 20 marks for evaluation of internal assessment will be as follows:
  1. 10 marks -One written test (Objective type) to be conducted.
  2. 10marks – Student will be evaluated on Seminar/presentation/ literature Survey & evaluation/ Assignment / Project work/ Output from group -collaboration work (For project work, there should not be more than 3 students per group). Abstract or report must be submitted by the student to the Department. Department must maintain documented proofs of the above-mentioned evaluation method.
- The distribution of 30 marks for evaluation of internal assessment will be as follows:
  1. 15 marks -One written test (Objective type) to be conducted.
  2. 15 marks – Student will be evaluated on Seminar/presentation/ literature Survey & evaluation/ Assignment / Project work/ Output from group -collaboration work (For project work and Group collaboration work, there should not be more than 3 students per group). Abstract or report must be submitted by the student to the Department. Department must maintain documented proofs of the above-mentioned evaluation method.
- The distribution of 40 marks for evaluation of internal assessment will be as follows:
  1. 20 marks -One written test (Objective type) to be conducted.
  2. 20 marks – Student will be evaluated on Seminar/presentation/ literature Survey & evaluation/ Assignment / Project work/ Output from group -collaboration work (For project work, there should not be more than 3 students per group). Abstract or report must be submitted by the student to the Department. Department must maintain documented proofs of the above-mentioned evaluation method.
- Practical evaluation for Major/ Minor ( DSC/DSE) papers will carry 25 marks per credit.

Practical examination will be conducted at end of each semester. The student must be present with the duly certified journal, failing which they will not be allowed for the practical examination. In case of loss of journal, a report must be obtained from the head / coordinator failing which the student will not be allowed to appear for the practical examination.

The Duration for External Theory examination will be as follows:

<b>arks</b>	<b>uration</b>
Marks	5 Hr
Marks	Hrs
Marks	5 Hrs
Marks	Hrs

- Projects, industrial training, industrial /field visits will be conducted as per the need in the curriculum.

### **13. CHANGE OF SUBJECTS**

1. An option to change a language/subject may be exercised only once within four weeks from the date of commencement of the academic year on payment of the fee prescribed.

2. Whenever a change in a subject is permitted, the attendance in the changed subject shall be calculated by considering the attendance in the previous subject studied.
3. Suppose a candidate represents their institution / University/ Maharashtra State/ Nation in Sports / NCC / NSS / Cultural or any officially sponsored activities. In that case, they may be permitted to claim attendance for the actual number of days participated, based on the Head of the Institution's recommendation. Suppose a candidate is selected to participate in national level events such as Republic Day Parade etc. In that case, they may be permitted to claim attendance for the actual number of days participated based on the Head of the Institution's recommendation.
4. A candidate who does not satisfy the requirement of attendance in one or more courses/ subjects shall not be permitted to take the University examination of those courses/ subjects. The candidate shall seek readmission to those courses/ subjects in a subsequent year.

#### **14. TRANSFER OF ADMISSION**

Transfer of admissions are permissible only for odd semesters for students of other universities and within the University.

##### **Conditions for transfer of admission of students within the University**

- (a) Transfer of admission shall be within the intake permitted to the college.
- (b) Availability of the same combination of subjects studied in the previous college.
- (c) Fulfilment of the attendance requirements as per the University Regulation.
- (d) Completion of the programme as per the regulation governing the maximum duration of completing the programme.

##### **Conditions for transfer admission of students of other Universities**

- a) A Candidate migrating from any other University may be permitted to join an odd semester of the degree programme provided they have passed all the subjects of previous semesters/years as the case may be. Such candidates must satisfy all other conditions of eligibility stipulated in the regulations of the University.
- b) Their transfer admission shall be within the intake permitted to the college.
- c) They shall fulfil the attendance requirements as per the University Regulation.
- d) The candidate who is migrating from other Universities is eligible for overall class and not for ranking.
- e) They shall complete the programme as per the regulation governing the maximum duration of completing the programme as per this regulation

##### **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.

#### **15. STRUCTURE OF UGCF AND INTEGRATED PROGRAMS**

The **UGCF Integrated Program** is a structure for four-year undergraduate programmes and Five Years Integrated Programs in different disciplines with multiple exit options as per guidelines provided by Government of Maharashtra. The details of the structure are provided in the tables below.

For UG and PG Programmes under Arts, Commerce and Science Faculty

**NOMENCLATURE & CODING SYSTEM**

To maintain the uniformity, all course codes under all programmes to be of 10 digits:

10 DIGIT CODE			
DIGIT/ ALPHABET	LOGIC ATTRIBUTED		ALPHABET/ Digits
1	LEVEL OF PROGRAM	BACHELORS	B
		MASTERS	M
		PhD	P
		UNDERGRADUATE	U
2	DISCIPLINE	SCIENCE	S
		COMMERCE	C
		ARTS	A
		INTERDISCIPLINARY	I
		UNDERGRADUATE	G
3 & 4	COURSES	Subject (e.g. Physics, Mathematics) (e.g. English, Psychology)	(PH) / (MT) (EN) / (PS)
		Department (e.g. Biotechnology)	(BT)
		Faculty (e.g. Commerce & Management)	CM
		Co-curricular Courses Department (NSS, NCC, Yoga, Cultural, Sports, MOOC etc)	CC
5 and 6 together	TYPE OF COURSE	DISCIPLINE SPECIFIC COMPULSORY COURSE (subject)	DC
		MINOR SUBJECT (From any Faculty/Discipline)	MN
		DISCIPLINE SPECIFIC ELECTIVE COURSE (subject)	DE
		SKILL ENHANCEMENT COURSE (SEC)	SE
		ABILITY ENHANCEMENT COURSE (AEC)	AE
		VOCATIONAL SKILL COURSE (VSC)	VS
		VALUE EDUCATION COURSE (VEC)	VE
		INDIAN KNOWLEDGE SYSTEM COURSE (IKS)	IK
		GENERIC/OPEN ELECTIVE	OE
		FIELD PROJECT (FP)	FP
		LABORATORY (LAB)	LB
		RESEARCH PROJECT (RP)	RP
		RESEARCH METHODOLOGY	RM

		ON-THE-JOB TRAINING (OJT)	OJ
		COMMUNITY ENGAGEMENT AND SERVICE (CEP)	CE
		CO-CURRICULAR COURSES* (e.g., NSS/ NCC/ Yoga/ Cultural/ Sports/ MOOC etc)	NS/ NC/ YG/ CU/ SP/ MC etc
7, 8 & 9	7 <sup>th</sup> Digit –Semester,		1 TO 9 and 'X' for 10 <sup>th</sup> Semester
	8 <sup>th</sup> and 9 <sup>th</sup> digits together – Course No		01 to 99
10	Theory/Practical/Co-curricular		T/P/C

\* The registration and codes for Co-curricular Courses will be monitored by Director, Skill Development Centre of the university.

### CODING SYSTEM

- For each course, Title and Code must be assigned
- Course Code: Length of code should not exceed 10 (combination of letters and numbers)
- Course code and name should not be repeated (can add a suffix as I,II)
- There will be separate Code and Title for Theory and Practicals/Labs.
- First Six Letters in a code will be as given in the Table above.
- Seventh digit: for semester 1/2/3/4//5/6/7/8/9/X (for 10<sup>th</sup>)
- Eight and Ninth Letters together for respective course: e.g., for semester I, first DC will be represented by DC101, second DE in fifth semester will be represented by DE502.
- Tenth letter: T/P/C will be T for Theory, P for Practical, and C for Co-curricular Courses.
- LB and RP for Laboratory and Research Projects respectively.
- Some courses may not have associated Practical's. So other Experiments/Practical's can be performed in the laboratory and for such Laboratory courses LB can be used instead of DC / DE etc in the code.
- Also, Project may not be associated with any Course. In that case PR can be used instead of DC / DE etc in the code.
- The course number in a code will start from 01 for every semester.
- For Five Year Integrated course, the first six semester will have codes of undergraduate program and 7<sup>th</sup> to 10<sup>th</sup> semester will have course code of master's programme. **E.g.-**
  - i) *If there are two Discipline-related Compulsory Courses per semester for B.Sc. Maths, the code will be*  
**Semester I: BSMTDC101T and BSMTDC102T**
  - ii) *If there are two Discipline-related Elective Courses per semester for B.A. Hindi, the code will be*  
**Semester V: BAHNDE501T and BAHNDE502T**
  - iii) *For Minor Courses:*  
**Semester I: BSMTMN101T and BSMTMN102T**
  - iv) *For Commerce & Management:*  
**Semester III: BCCMDC301T and BCCMDC302T**
  - v) *For Co-Curricular Courses, if a science student opts for Yoga, the code will be*  
**Semester II: UGCCYG201C**
  - vi) *For a Practical Course in MSc Physics, the code will be*  
**Semester I: MSPHLB101P**

Similarly, codes can be decided for OE, AE, SE, DC, DE, IK, LB, PR etc

## Basket of Skill Development Courses Offered by HBSU

1.	Skill development courses (Certificate course in Computer)
2.	Skill development course (Principles and Practice of Banking)
3.	Skill development course (Basic Communicative English)
4.	Skill development course (Organic Farming and Sustainable Agricultural Practices)
5.	Skill development course (Fundamental of - Computer and IT/ CAD and CAM/ Geographical Information System)
6.	Skill development course (Instrumental Music - Tabla)
7.	Skill development course (Yoga and Correctives)
8.	Skill development course (Social work)
9.	Skill development course (Indian Tribal & Folk Art)
10.	Skill development course (Introduction to Mutual Funds)
11.	Skill development course (Introduction to E-Return)
12.	Skill development course (Introduction to Share Market)
13.	Vocational/ Skill development course:
14.	Communication Skill & Personality Development
15.	Folk Art
16.	Heritage Guide
17.	News Writing and Reporting
18.	Retail Management
19.	Sports Engineering
20.	Computerized Accounting & GST
21.	Foundation Course in Digital Marketing
22.	Web Designing
23.	Applied Research (Political Science)
24.	Yoga (Physical Education)
25.	Functional Hindi (Political Science)
26.	Organic Framing (Chemistry)
<b>Vocational Studies- Skill Development Course Certificate</b>	
27.	Basic Certificate in Fundamentals of science Laboratory
28.	Certificate in Application of different techniques in biological sciences
29.	Certificate in Basics of Biochemical and microbiological laboratory techniques
30.	Certificate Course in Organic Farming
31.	Basic Certificate in MIS (Management Information System)

\* More Courses will be added after approval from BOS.

\*\* For referencing - <https://ccsuniversity.ac.in/ccsu/syllabus-skill-dev-nep-2020.php#>

**CREDIT STRUCTURE AS PER GOVERNMENT  
OF MAHARASHTRA GUIDELINES**

**FOR**

**FACULTY OF HUMANITIES**

**Table 1**

**Dr. Homi Bhabha State University, Mumbai.**

**Proposed structure for Four Year UG Program (Four Year B.A. Honours / Research)**

Level	Semester	Major		Minor	OE	VSC, SEC	AEC, VEC, IKS (All mandatory)	OJT, FP, CEP, CC, RP	Cum. Cr./ Sem.	Degree/ Cum. Cr.
		Mandatory	Electives							
4.5	I	DSC1-1 (4)		DSC2-1 (4)	OE1 (2)	VSC1 related to Major (2)	AEC1 L1 (2)	CC1 (2)	22	UG Certificate (44)
		DSC1-2 (2)		DSC2-2 (2)			VEC1 (EVS) (2)			
	DSC1-3 (4)	DSC2-3 (4)	-							
	DSC1-4 (2)	-	VEEC2 (Const. of India) (2)							
							IKS1 related to Major (2)	CC2 (2)	22	
	Cum Cr.	12		10	4	4+0	4+4+2	4	44	
Exit option: Award of UG Certificate in Major with 44 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor										
5.0	III	DSC1-5 (4)		DSC2-4 (4)	OE3 (3)	VSC3 related to Major (3)	AEC3 L2 (2)	CC3 (2)	22	UG Diploma (88)
		DSC1-6 (4)								
	IV	DSC1-7 (4)	DSC2-5 (4)	OE4 (3)	VSC4 related to Major (3)	AEC4 L2 (2)	CC4 (2)	22		
		DSC1-8 (4)								
	Cum Cr.	28		18	10	10+0	8+4+2	8	88	
Exit option: Award of UG Diploma in Major and Minor with 88 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor										
5.5	V	DSC1-9 (4)	DSE1-1 (4)			SEC1 (4)		CEP/FP (4)	22	UG Degree (132)
		DSC1-10 (4)								
		DSC1-11 (2)								
	VI	DSC1-12 (4)	DSE1-2 (4)		SEC2 (4)		OJT (4)	22		
DSC1-13 (4)										
DSC1-14 (2)										
	Cum Cr.	48	08	18	10	10+8	8+4+2	8+4+4	132	
Exit option: Award of UG Degree in Major with 132 credits OR Continue with Major										
6.0	VII	DSC1-15 (4)	DSE1-3 (4)	RM (Major) (4)					22	UG Honours Degree (176)
		DSC1-16 (4)								
		DSC1-17 (4)								
		DSC1-18 (2)								
VIII	DSC1-19 (4)	DSE1-4 (4)					OJT (4)	22		
	DSC1-20 (4)									
	DSC1-21 (4)									
	DSC1-22 (2)									
	Cum Cr.	76	16	18+4	10	10+8	8+4+2	8+4+8	176	
Four Year UG Honours Degree in Major and Minor with 176 credits										

## Fourth Year for BA Honours with research

<b>6.0</b>	<b>VII</b>	DSC1-15 (4)	DSE1-3 (4)	RM (Major) (4)				RP (4)	<b>22</b>	<b>UG Honours with Research Degree (176)</b>
		DSC1-16 (4)								
		DSC1-17 (2)								
	<b>VIII</b>	DSC1-18 (4)	DSE1-4 (4)				RP (8)	<b>22</b>		
		DSC1-19 (4)								
		DSC1-20 (2)								
	<b>Cum Cr.</b>	<b>68</b>	<b>18</b>	<b>18+4</b>	<b>10</b>	<b>10+8</b>	<b>8+4+2</b>	<b>8+4+4+12</b>	<b>176</b>	
<b>Four Year UG Honours with Research Degree in Major and Minor with 176 credits</b>										

### Note:

1. L1 –English, L2 – Marathi / Hin (Introductory)
2. Each subject BoS will design curricula for all courses of the subject (including DSC, DSE, OE/GE, SEC, VSC, VEC, etc) and will decide the pattern for credit distribution (Such as for Theory and Practical)
3. Co-curricular Courses (CC) include courses such as Health and Wellness, Yoga education sports, and fitness, Cultural Activities, NSS/NCC and Fine/ Applied/ Visual/ Performing Arts etc
4. Subjects that offer lab work/practical may offer these under SEC & VSC courses, and/or under DSC.
5. 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.
6. OJT/FP: Student has to earned the requisite 04 credits of on-the-job training (OJT) / Field Project (FP) during summer break, after completion of the second semester of the first year in the respective Major Subject.

### Abbreviations:

Generic/ Open Electives: OE; Vocational Skill and Skill Enhancement Courses: VSEC; Vocational Skill Courses: VSC; Skill Enhancement Courses: SEC; Ability Enhancement Courses: AEC; Indian Knowledge System: IKS; Value Education Courses: VEC; OJT: On Job Training; Internship/ Apprenticeship; Field projects: FP; Co-curricular Courses: CC; Community Engagement & Service: CEP; RM: Research Methodology; Research Project: RP

**Table 2**  
**Dr. Homi Bhabha State University, Mumbai.**  
**Proposed structure for Five Year UG Program (BA-MA Integrated) Degree**

Level	Semester	Major		Minor	OE	VSC, SEC	AEC, VEC, IKS (All mandatory)	OJT, FP, CEP, CC, RP	Cum. Cr./ Sem.	Degree/ Cum. Cr.
		Mandatory	Electives							
4.5	I	DSC1-1 (4)		DSC2-1 (4)	OE1 (2)	VSC1 related to Major (2)	AEC1 L1 (2)	CC1 (2)	22	UG Certificate (44)
		DSC1-2 (2)		DSC2-2 (2)			VEC1 (EVS) (2)			
	II	DSC1-3 (4)	DSC2-3 (4)	OE2 (2)	VSC2 related to Major (2)	AEC2 L1 (2)	CC2 (2)	22		
		DSC1-4 (2)	-			VEC2 (Const. of India) (2)			IKS1 related to Major (2)	
<b>Cum Cr.</b>	<b>12</b>	<b>10</b>	<b>4</b>	<b>4+0</b>	<b>4+4+2</b>	<b>4</b>	<b>44</b>			
<b>Exit option: Award of UG Certificate in Major with 44 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor</b>										
5.0	III	DSC1-5 (4)		DSC2-4 (4)	OE3 (3)	VSC3 related to Major (3)	AEC3 L2 (2)	CC3 (2)	22	UG Diploma (88)
		DSC1-6 (4)								
	IV	DSC1-7 (4)	DSC2-5 (4)	OE4 (3)	VSC4 related to Major (3)	AEC4 L2 (2)	CC4 (2)	22		
		DSC1-8 (4)								
<b>Cum Cr.</b>	<b>28</b>	<b>18</b>	<b>10</b>	<b>10+0</b>	<b>8+4+2</b>	<b>8</b>	<b>88</b>			
<b>Exit option: Award of UG Diploma in Major and Minor with 88 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor</b>										
5.5	V	DSC1-9 (4)	DSE1-1 (4)			SEC1 (4)		CEP/FP (4)	22	UG Degree (132)
		DSC1-10 (4)								
		DSC1-11 (2)								
	VI	DSC1-12 (4)	DSE1-2 (4)		SEC2 (4)		OJT (4)	22		
DSC1-13 (4)										
DSC1-14 (2)										
<b>Cum Cr.</b>	<b>48</b>	<b>08</b>	<b>18</b>	<b>10</b>	<b>10+8</b>	<b>8+4+2</b>	<b>8+4+4</b>	<b>132</b>		
<b>Exit option: Award of UG Degree in Major with 132 credits OR Continue with Major</b>										
6.0	VII	DSC1-15 (4)	DSE1-3 (4)	RM (Major) (4)					22	
		DSC1-16 (4)								
		DSC1-17 (4)								
		DSC1-18 (2)								
	VIII	DSC1-19 (4)	DSE1-4 (4)					OJT/FP (4)	22	
		DSC1-20 (4)								
		DSC1-21 (4)								
		DSC1-22 (2)								

6.5	IX	DSC1-23 (4)	DSE1-5 (4)					RP (4)	22	Five Years Integrated (BA- MA) Degree in main Faculty (220)
		DSC1-24 (4)								
		DSC1-25 (4)								
		DSC1-26 (2)								
	X	DSC1-27 (4)	DSE1-6 (4)					RP (6)	22	
		DSC1-28 (4)								
		DSC1-29 (4)								
Cum Cr.	102	24	18+4	10	10+8	8+4+2	8+4+4+4+ 10	220		
<b>Five Year Integrated Degree in Major and Minor with 220 Credits.</b>										

**Note:**

1. L1 –English, L2 – Marathi / Hin (Introductory)
2. Each subject BoS will design curricula for all courses of the subject (including DSC, DSE, OE/GE, SEC, VSC, VEC, etc) and will decide the pattern for credit distribution (Such as for Theory and Practical)
3. Co-curricular Courses (CC) include courses such as Health and Wellness, Yoga education sports, and fitness, Cultural Activities, NSS/NCC and Fine/ Applied/ Visual/ Performing Arts etc
4. Subjects that offer lab work/practical may offer these under SEC & VSC courses, and/or under DSC.
5. 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.
6. OJT/FP: Student has to earned the requisite 04 credits of on-the-job training (OJT) / Field Project (FP) during summer break, after completion of the second semester of the first year in the respective Major Subject.

**Abbreviations:**

Generic/ Open Electives: OE; Vocational Skill and Skill Enhancement Courses: VSEC; Vocational Skill Courses: VSC; Skill Enhancement Courses: SEC; Ability Enhancement Courses: AEC; Indian Knowledge System: IKS; Value Education Courses: VEC; OJT: On Job Training; Internship/ Apprenticeship; Field projects: FP; Co-curricular Courses: CC; Community Engagement & Service: CEP; RM: Research Methodology; Research Project: RP

**Table 3**  
**Dr. Homi Bhabha State University, Mumbai.**  
**Proposed structure for Two Years/ One Year PG (M.A.) and Ph. D. Programme**

Year (2 yr PG)	Level	Semester	Major		RM	OJT/ FP	RP	Cum. Cr.	Degree
			Mandatory	Electives					
I	6.0	I	DSC1-1 (4)	DSE1-1 (4)	RM (4)			22	PG Diploma (after 3 Yr Degree)
			DSC1-2 (4)						
			DSC1-3 (4)						
			DSC1-4 (2)						
		II	DSC1-5 (4)	DSE1-2 (4)	OJT (4)			22	
			DSC1-6 (4)						
			DSC1-7 (4)						
			DSC1-8 (2)						
Cum. Cr. For PG Diploma			28	8	4	4	-	44	
<b>Exit option: PG Diploma (40-44 Credits) after Three Year UG Degree</b>									
II	6.5	III	DSC1-9 (4)	DSE1-3 (4)			RP (4)	22	PG Degree After 3- Yr UG Or PG Degree after 4- Yr UG
			DSC1-10 (4)						
			DSC1-11 (4)						
			DSC1-12 (2)						
		IV	DSC1-13 (4)	DSE1-4 (4)			RP (6)	22	
			DSC1-14 (4)						
			DSC1-15 (4)						
Cum. Cr. for 1 Yr PG Degree			26	8			10	44	
Cum. Cr. for 2 Yr PG Degree			54	16	4	4	10	88	
<b>2 Years-4 Sem. PG Degree (80-88 credits) after Three Year UG Degree or 1 Year-2 Sem PG Degree (40-44 credits) after Four Year UG Degree</b>									

**Note:**

1. Each subject BoS will design curricula for all courses of the subject (including DSC, DSE, RM, etc) and will decide the pattern for credit distribution (Such as for Theory and Practical)
2. 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.
3. OJT/FP: Student has to earned the requisite 04 credits of on-the-job training (OJT) / Field Project (FP) during summer break, after completion of the second semester of the first year in the respective Major Subject.

**Abbreviations:**

Abbreviations: Yr.: Year; Sem.: Semester; OJT: On Job Training; Internship/ Apprenticeship; FP: Field projects; RM: Research Methodology; Research Project: RP; Cumulative Credits: Cum. Cr.

**CREDIT STRUCTURE AS PER GOVERNMENT  
OF MAHARASHTRA GUIDELINES**

**FOR**

**FACULTY OF COMMERCE  
AND MANAGEMENT**

**Table 1**  
**Dr.Homi Bhabha State University, Mumbai.**  
**Proposed Structure for Four Year UG Programme (Four Year B.Com. Honours /**  
**Research)**

Level	Semester	Major		Minor	OE	VSC, SEC (VSEC)	AEC, VEC, IKS	OJT, FF, CEP, CC, RP, LAB	Cum. Cr/Sem	Degree/Cum. Cr.	
		Mandatory	Elective								
4.5	I	DSC1-1 (3)	--	DSC2-1 (2)	OE-1 (2)	VSC-1 (2) Related to major	IKS-Major (2) L 1 (2) VEC1- EVS (2)	CC-1 (2)	22	44 One Year Certificate (44)	
		DSC1-2 (3)	--	DSC 2-2 (2)							
	II	DSC1-3 (3)	--	DSC2 -3 (2)	OE -2 (2)	VSC-2 (2) Related to major	IKS –Minor (2) L 1 (2) VEC2- Constitution of India (2)	CC-2 (2)	22		
		DSC1-4 (3)	--	DSC 2-4 (2)							
Cum Cr.	12	--	8	4	4	12	4	44			
<b>Exit Option: Award of UG Certificate in Major with 44 credits and an additional 4 credits core NSQF course/Internship OR Continue with Major and Minor.</b>											
5.0	III	DSC1-5 (3)	--	DSC2-5 (3)	OE-3 (3)	SEC-1 (3) (Related to DSC1)	L2 (2)	CC-3 (2)	22	88 Two Years Diploma (88)	
		DSC1-6 (3)		DSC2-6 (3)							
	IV	DSC1-8 (3)	--	DSC2-7 (3)	OE -4 (3)	SEC-2 (3) (Related to DSC1)	L2 (2)	CC-4 (2)	22		
		DSC1-9 (3)		DSC2-8 (3)							
Cum Cr.	24	--	20	10	10	16	8	88			
<b>Exit Option: Award of UG Diploma in Major and Minor with 88 credits and an additional 4 credits core NSQF course/Internship OR Continue with Major.</b>											
5.5	V	DSC1-10 (4)	DSE1-1 (3)	--	--	VSC-3 (2) Related to major		FP/CEP/OJT (DSE) (2)	22	132 Three Years Bachelor Degree (132)	
		DSC1-11 (4)	DSE1-2 (3)								
		DSC1-12 (4)									
	VI	DSC1-13 (4)	DSE1-3 (3)	--	--	VSC-4 (2) Related to major		FP/CEP/OJT (DSE) (2)	22		
		DSC1-14 (4)	DSE1-4 (3)								
		DSC1-15 (4)									
Cum Cr.	48	12	20	10	14	16	12	132			
<b>Exit Option: Award of UG Degree in Major with 132 credits OR Continue with Major.</b>											
6.0	VII	DSC1-16 (4)	DSE1-5 (4)	RM (4)	--	--	--	--	22	176 Four Years Bachelor (Honours) Degree in main Faculty (176)	
		DSC1-17 (4)									
		DSC1-18 (4)									
		DSC1-19 (2)									
	VIII	DSC1-20 (4)	DSE1-6 (4)	--	--	--	--	--	OJT (4)		22
		DSC1-21 (4)									
DSC1-22 (4)											

		DSC1-23 (2)								
	<b>Cum Cr.</b>	<b>76</b>	<b>20</b>	<b>24</b>	<b>10</b>	<b>14</b>	<b>16</b>	<b>16</b>	<b>176</b>	
<b>Four-year UG Honours Degree in Major and Minor with 176 Credits.</b>										

### **Fourth Year of UG Honours with Research Degree in Major and Minor**

<b>6.0</b>	<b>VI</b>	DSC1-16 (4)	DSE1-5 (4)	RM (4)	--	--	--	RP (4)	<b>22</b>	<b>44 Four Years Bachelor (Honours with Research) Degree in main Faculty (176)</b>
		DSC1-17 (4)								
		DSC1-18 (2)								
	<b>VIII</b>	DSC1-19 (4)	DSE1-6 (4)	--	--	--	RP (8)	<b>22</b>		
		DSC1-20 (4)								
		DSC1-21 (2)								
	<b>Cum Cr.</b>	<b>68</b>	<b>20</b>	<b>24</b>	<b>10</b>	<b>14</b>	<b>16</b>	<b>24</b>	<b>176</b>	
<b>Four-year UG Honours with Research Degree in Major and Minor with 176 Credits.</b>										

#### **Note:**

1. L1 –English, L2 – Marathi / Hin (Introductory)
2. Each subject BoS will design curricula for all courses of the subject (including DSC, DSE, OE/GE, SEC, VSC, VEC, etc) and will decide the pattern for credit distribution (Such as for Theory and Practical)
3. Co-curricular Courses (CC) include courses such as Health and Wellness, Yoga education sports, and fitness, Cultural Activities, NSS/NCC and Fine/ Applied/ Visual/ Performing Arts etc
4. Subjects that offer lab work/practical may offer these under SEC & VSC courses, and/or under DSC.
5. 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.
6. OJT/FP: Student has to earned the requisite 04 credits of on-the-job training (OJT) / Field Project (FP) during summer break, after completion of the second semester of the first year in the respective Major Subject.

#### **Abbreviations:**

Generic/ Open Electives: OE; Vocational Skill and Skill Enhancement Courses: VSEC; Vocational Skill Courses: VSC; Skill Enhancement Courses: SEC; Ability Enhancement Courses: AEC; Indian Knowledge System: IKS; Value Education Courses: VEC; OJT: On Job Training: Internship/ Apprenticeship; Field projects: FP; Co-curricular Courses: CC; Community Engagement & Service: CEP; RM: Research Methodology; Research Project: RP

L1-English , L2 – Marathi / Hindi (Introductory)  
The focus for both languages should be on linguistic and communication skills.

**Table 2**  
**Dr. Homi Bhabha State University, Mumbai.**  
**Proposed Structure for Five Year Integrated B.Com.-M.Com. Degree**

Level	Semester	Major		Minor	OE	VSC, SEC (VSEC)	AEC, VEC, IKS	OJT, FF, CEP, C, RP, LAB	Cum. Cr/Sem	Degree/Cum. Cr.
		Mandatory	Elective							
4.5	I	DSC1-1 (3)	--	DSC2-1 (2)	OE-1 (2)	VSC-1 (2) Related to major	IKS-Major (2) L 1 (2) VEC-1 (EVS) (2)	CC-1 (2)	22	44 One Year Certificate (44)
		DSC1-2 (3)	--	DSC 2-2 (2)						
	II	DSC1-3 (3)	--	DSC2 -3 (2)	OE -2 (2)	VSC-2 (2) Related to major	IKS-Minor (2) L 1 (2) VEC-2 (Constitution of India) (2)	CC-2 (2)	22	
		DSC1-4 (3)	--	DSC 2-4 (2)						
<b>Cum Cr.</b>		<b>12</b>	<b>--</b>	<b>8</b>	<b>4</b>	<b>4</b>	<b>12</b>	<b>4</b>	<b>44</b>	
<b>Exit Option: Award of UG Certificate in Major with 44 credits and an additional 4 credits core NSQF course/Internship OR Continue with Major and Minor.</b>										
5.0	III	DSC1-5 (3)	--	DSC2-5 (3)	OE-3 (3)	SEC-1 (3) (Related to DSC1)	L2 (2)	CC-3 (2)	22	44 Two Years Diploma (88)
		DSC1-6 (3)		DSC2-6 (3)						
	IV	DSC1-8 (3)	--	DSC2-7 (3)	OE -4 (3)	SEC-2 (3) (Related to DSC1)	L2 (2)	CC-4 (2)	22	
		DSC1-9 (3)		DSC2-8 (3)						
<b>Cum Cr.</b>		<b>24</b>	<b>--</b>	<b>20</b>	<b>10</b>	<b>10</b>	<b>16</b>	<b>8</b>	<b>88</b>	
<b>Exit Option: Award of UG Diploma in Major and Minor with 88 credits and an additional 4 credits core NSQF course/Internship OR Continue with Major.</b>										
5.5	V	DSC1-10 (4)	DSE1-1 (3)	--	--	VSC-3 (2) Related to major		FP/CEP/OJT (DSE) (2)	22	44 Three Years Bachelor Degree (132)
		DSC1-11 (4)	DSE1-2 (3)							
		DSC1-12 (4)	DSE1-3 (3)							
	VI	DSC1-13 (4)	DSE1-4 (3)	--	--	VSC-4 (2) Related to major		FP/CEP/OJT (DSE) (2)	22	
DSC1-14 (4)										
DSC1-15 (4)										
<b>Cum Cr.</b>		<b>48</b>	<b>12</b>	<b>20</b>	<b>10</b>	<b>14</b>	<b>16</b>	<b>12</b>	<b>132</b>	
<b>Exit Option: Award of UG Degree in Major with 132 credits OR Continue with Major.</b>										
6.0	VII	DSC1-16 (4)	DSE1-5 (4)	RM (4)	--	--	--	--	22	44 Four Years Bachelor (Honours) Degree in main Faculty (176)
		DSC1-17 (4)								
		DSC1-18 (4)								
		DSC1-19 (2)								
	VIII	DSC1-20 (4)	DSE1-6 (4)	--	--	--	--	OJT (4)	22	
		DSC1-21 (4)								
DSC1-22 (4)										

		DSC1-23 (2)								
	<b>Cum Cr.</b>	<b>76</b>	<b>20</b>	<b>24</b>	<b>10</b>	<b>14</b>	<b>16</b>	<b>16</b>	<b>176</b>	
<b>6.5</b>	<b>IX</b>	DSC1-24 (4)	DSE1-5 (4)	--	--	--	--	RP (4)	<b>22</b>	<b>44 Five Years B.Com- M.Com Degree in main Faculty (220)</b>
		DSC1-25 (4)								
		DSC1-26 (4)								
		DSC1-27 (2)								
	<b>X</b>	DSC1-28 (4)	DSE1-6 (4)	--	--	--	--	RP (6)	<b>22</b>	
		DSC1-29 (4)								
		DSC1-30 (4)								
	<b>Cum Cr.</b>	<b>102</b>	<b>28</b>	<b>24</b>	<b>10</b>	<b>14</b>	<b>16</b>	<b>26</b>	<b>220</b>	
<b>Five Year Integrated Degree in Major and Minor with 220 Credits.</b>										

**Note:**

1. L1 –English, L2 – Marathi / Hin (Introductory)
2. Each subject BoS will design curricula for all courses of the subject (including DSC, DSE, OE/GE, SEC, VSC, VEC, etc) and will decide the pattern for credit distribution (Such as for Theory and Practical)
3. Co-curricular Courses (CC) include courses such as Health and Wellness, Yoga education sports, and fitness, Cultural Activities, NSS/NCC and Fine/ Applied/ Visual/ Performing Arts etc
4. Subjects that offer lab work/practical may offer these under SEC & VSC courses, and/or under DSC.
5. 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.
6. OJT/FP: Student has to earned the requisite 04 credits of on-the-job training (OJT) / Field Project (FP) during summer break, after completion of the second semester of the first year in the respective Major Subject.

**Abbreviations:**

Generic/ Open Electives: OE; Vocational Skill and Skill Enhancement Courses: VSEC; Vocational Skill Courses: VSC; Skill Enhancement Courses: SEC; Ability Enhancement Courses: AEC; Indian Knowledge System: IKS; Value Education Courses: VEC; OJT: On Job Training: Internship/ Apprenticeship; Field projects: FP; Co-curricular Courses: CC; Community Engagement & Service: CEP; RM: Research Methodology; Research Project: RP

L1-English , L2 – Marathi / Hindi (Introductory)

The focus for both languages should be on linguistic and communication skills.

**Table 3**  
**Dr. Homi Bhabha State University, Mumbai.**  
**Proposed Structure for Two Year PG Program (M.Com.) Degree**

Level	Semester	Major	Minor	OE	VSC, SEC (VSEC)	AEC, VEC, IKS	OJT, FF, CEP, CC, RP, LAB	Cum. Cr/Sem	Degree/ Cum. Cr.
6.0	I	DSC1-1 (4)	DSE1-1 (4)	RM (4)	--	--	--	22	44 PG Diploma in Discipline (44)
		DSC1-2 (4)							
		DSC1-3 (4)							
		DSC1-4 (2)							
	II	DSC1-5 (4)	DSE1-2 (4)	--	--	--	OJT (4)	22	
		DSC1-6 (4)							
		DSC1-7 (4)							
		DSC1-8 (2)							
<b>Cum Cr.</b>	<b>28</b>	<b>8</b>	<b>4</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>4</b>	<b>44</b>	
<b>Exit Option: Award of PG Diploma in Discipline with 44 credits OR Continue with Discipline</b> <b>Entry Option: Candidate who has completed Four Year UG Honours with Research Degree in Major and Minor with 176 Credits</b>									
6.5	III	DSC1-9 (4)	DSE1-3 (4)	--	--	--	RP (4)	22	44 PG Degree in Discipline (88)
		DSC1-10 (4)							
		DSC1-11 (4)							
		DSC1-12 (2)							
	IV	DSC1-13 (4)	DSE1-4 (4)	--	--	--	RP (6)	22	
		DSC1-14 (4)							
		DSC1-15 (4)							
<b>Cum Cr.</b>	<b>54</b>	<b>16</b>	<b>4</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>14</b>	<b>88</b>	
<b>PG Degree in Discipline with 88 Credits.</b>									

**Note:**

- Each subject BoS will design curricula for all courses of the subject (including DSC, DSE, RM, etc) and will decide the pattern for credit distribution (Such as for Theory and Practical)
- 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.
- OJT/FP: Student has to earned the requisite 04 credits of on-the-job training (OJT) / Field Project (FP) during summer break, after completion of the second semester of the first year in the respective Major Subject.

**Abbreviations:**

Generic/ Open Electives: OE; Vocational Skill and Skill Enhancement Courses: VSEC; Vocational Skill Courses: VSC; Skill Enhancement Courses: SEC; Ability Enhancement Courses: AEC; Indian Knowledge System: IKS; Value Education Courses: VEC; OJT: On Job Training: Internship/ Apprenticeship; Field projects: FP; Co-curricular Courses: CC; Community Engagement & Service: CEP; RM: Research Methodology; Research Project: RP

**CREDIT STRUCTURE AS PER GOVERNMENT  
OF MAHARASHTRA GUIDELINES  
FOR  
FACULTY OF SCIENCE**

**Table 1**  
**Dr. Homi Bhabha State University, Mumbai.**  
**Proposed structure for Four Year UG Program (Four Year B.Sc. Honours / Research)**

Le vel	Sem ester	Major		Minor	OE	VSC, SEC (VSEC)	AEC, VEC, IKS (All mandatory)	OJT, FF,CEP, CC, RP, LAB	Cum. Cr/Se m	Cum. Cr. /Degree
		Manda tory	Electi ve							
4.5	I	DSC1 -1 (2+1)	--	DSC2 -1 (2)	OE1 (2)	VSC1 (2) (Hands On Training Related to minor)	IKS-Major (2) L 1 (2) VEC-1 (EVS) (2)	CC1 (2)	22	44  One Year Certificate (44)
		DSC1-2 (2+1)	--	DSC 2-2 (2)						
	II	DSC1 -3 (2+1)	--	DSC2 -3 (2)	OE2 (2)	VSC2 (2) (Hands On Training Related to minor)	IKS-Minor (2) L 1 (2) VEC-2 (Constitution of India) (2)	CC2 (2)	22	
		DSC1-4 (2+1)	--	DSC 2-4 (2)						
Cu m Cr.		12		8	4	4	12	4	44	
Exit Option: Award of UG Certificate in Major with 44 credits and an additional 4 credits core NSQF course/Internship OR Continue with Major and Minor.										
5.0	III	DSC1 -5 (2+1)	--	DSC2 -5 (2 + 1)	OE3 (3)	SEC1 (2+1) (Discipline Specific Related to Major)	L2 (2)	CC3 (2)	22	44  Two Years Diploma (88)
		DSC1 -6 (2+1)		DSC2 -6 (2 + 1)						
	IV	DSC1 -7 (2+1)	--	DSC2 -7 (2 + 1)	OE4 (3)	SEC2 (2+1) (Discipline Specific Related to Major)	L2 (2)	CC4 (2)	22	
		DSC1 -8 (2+1)		DSC2 -8 (2 + 1)						
Cu m Cr.		24		20	10	10	16	8	44	
Exit Option: Award of UG Diploma in Major and Minor with 88 credits and an additional 4 credits core NSQF course/Internship OR Continue with Major.										
5.5	V	DSC1 -9 (3+1)	DSE1-1 (3)	--	--	VSC3 (2) (Hands On Training Related to DSE)		FP/CEP (2)	22	44  Three Years Bachelor Degree (132)
		DSC1 -10 (3+1)	DSE1-2 (3)							
		DSC1 -11 (3+1)								
	VI	DSC1 -12 (3+1)	DSE1-3 (3)	--	--	VSC4 (2) (Hands On Training Related to DSE)		FP/CEP (2)	22	
		DSC1 -13 (3+1)	DSE1-4 (3)							
		DSC1 -14 (3+1)								
Cu m Cr.		48	12	20	10	14	16	12	44	
Exit Option: Award of UG Degree in Major with 120-132 credits OR Continue with Major.										
6.0	VII	DSC1 -15 (4+2)	DSE1 -5 (4+2)	RM (4)	--	--	--	--	22	44

		DSC1 -16 (4+2)								<b>Four Years Bachelor (Honours) Degree in main Faculty (176)</b>
<b>VIII</b>		DSC1 -17 (4+2)	DSE1 -6 (4+2)	--	--	--	OJT / FF (4)	<b>22</b>		
		DSC1 -18 (4+2)								
<b>Cu m Cr.</b>	<b>72</b>	<b>24</b>	<b>24</b>	<b>10</b>	<b>14</b>	<b>16</b>	<b>16</b>	<b>176</b>		
<b>Four-year UG Honours Degree in Major and Minor with 176 Credits.</b>										

### **Fourth Year of UG Honours with Research Degree in Major and Minor**

<b>6.0</b>	<b>VII</b>	DSC1 -15 (4+2)	DSE1-5 (4)	RM (4)				RP (4)	<b>22</b>	<b>44  Four Years Bachelor (Honours with Research) Degree in main Faculty (176)</b>
		DSC1 -16 (4)								
	<b>VIII</b>	DSC1 -17 (4+2)	DSE1-6 (4)					RP (4+4)	<b>22</b>	
		DSC1 -18 (4)								
<b>Cu m Cr.</b>	<b>68</b>	<b>20</b>	<b>24</b>	<b>10</b>	<b>14</b>	<b>16</b>	<b>24</b>	<b>176</b>		
<b>Four-year UG Honours with Research Degree in Major and Minor with 176 Credits.</b>										

#### **NOTE:**

1. OE – Each BOS will design Four OE (Open Elective) course for 1st to 4th semester each.
2. L1 –English, L2 – Marathi / Hin (Introductory)
3. Value Added Course: 1. NCC/NSS/Sports/Cultural/MOOCs/SWAYAM/YOGA/Health and Wellness
4. IKS – Each BOS will design one IKS course.
5. Each subject BoS will design curricula for all courses of the subject (including DSC, DSE, RM, etc) and will decide the pattern for credit distribution (Such as for Theory and Practical)
6. 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.
7. OJT/FP: Student has to earned the requisite 04 credits of on-the-job training (OJT) / Field Project (FP) during summer break, after completion of the second semester of the first year in the respective Major Subject.

#### **Abbreviations:**

Generic/ Open Electives: OE; Vocational Skill and Skill Enhancement Courses: VSEC; Vocational Skill Courses: VSC; Skill Enhancement Courses: SEC; Ability Enhancement Courses: AEC; Indian Knowledge System: IKS; Value Education Courses: VEC; OJT: On Job Training: Internship/ Apprenticeship; Field projects: FP; Co-curricular Courses: CC; Community Engagement & Service: CEP; RM: Research Methodology; Research Project: RP

**Table 2**  
**Dr. Homi Bhabha State University, Mumbai.**  
**Proposed structure for Five Year UG Program (BS-MS Integrated) Degree**

Level	Semester	Major		Minor	OE	VSC, SEC (VSEC)	AEC, VEC, IKS (All mandatory)	OJT, FF, CEP, CC, RP, LAB	Cum. Cr/Se m	Cum. Cr. /Degree
		Mandatory	Elective							
4.5	I	DSC1 -1 (2+1)	--	DSC2 -1 (2)	OE1 (2)	VSC1 (2) (Hands On Training Related to minor)	IKS-Major (2) L 1 (2) VEC-1 (EVS) (2)	CC1 (2)	22	44 One Year Certificate (44)
		DSC1-2 (2+1)	--	DSC 2-2 (2)						
	II	DSC1 -3 (2+1)	--	DSC2 -3 (2)	OE2 (2)	VSC2 (2) (Hands On Training Related to minor)	IKS-Minor (2) L 1 (2) VEC-2 (Constitution of India) (2)	CC2 (2)	22	
		DSC1-4 (2+1)	--	DSC 2-4 (2)						
	Cum Cr.	12		8	4	4	12	4	44	
Exit Option: Award of UG Certificate in Major with 44 credits and an additional 4 credits core NSQF course/Internship OR Continue with Major and Minor.										
5.0	III	DSC1 -5 (2+1)	--	DSC2 -5 (2 + 1)	OE3 (3)	SEC1 (2+1) (Discipline Specific Related to Major)	L2 (2)	CC3 (2)	22	44 Two Years Diploma (88)
		DSC1 -6 (2+1)		DSC2 -6 (2 + 1)						
	IV	DSC1 -7 (2+1)	--	DSC2 -7 (2 + 1)	OE4 (3)	SEC2 (2+1) (Discipline Specific Related to Major)	L2 (2)	CC4 (2)	22	
		DSC1 -8 (2+1)		DSC2 -8 (2 + 1)						
	Cum Cr.	24		20	10	10	16	8	44	
Exit Option: Award of UG Diploma in Major and Minor with 88 credits and an additional 4 credits core NSQF course/Internship OR Continue with Major.										
5.5	V	DSC1 -9 (3+1)	DSE1-1 (3)	--	--	VSC3 (2) (Hands On Training Related to DSE)		FP/CEP (2)	22	44 Three Years Bachelor Degree (132)
		DSC1 -10 (3+1)	DSE1-2 (3)							
		DSC1 -11 (3+1)								
	VI	DSC1 -12 (3+1)	DSE1-3 (3)	--	--	VSC4 (2) (Hands On Training Related to DSE)		FP/CEP (2)	22	
		DSC1 -13 (3+1)	DSE1-4 (3)							
		DSC1 -14 (3+1)								
Cum Cr.	48	12	20	10	14	16	12	44		
Exit Option: Award of UG Degree in Major with 120-132 credits OR Continue with Major.										
6.0	VII	DSC1 -15 (4+2)	DSE1 -5 (4+2)	RM (4)	--	--	--	--	22	

		DSC1 -16 (4+2)								
	<b>VIII</b>	DSC1 -17 (4+2)	DSE1 -6 (4+2)	--	--	--	OJT / FF (4)	<b>22</b>		
		DSC1 -18 (4+2)								
<b>6.5</b>	<b>IX</b>	DSC1 -19 (4+2)	DSE1 -7 (4+2)				RP (4)	<b>22</b>		<b>44</b> <b>Five Years</b> <b>Integrated</b> <b>(BS-MS)</b> <b>Degree in</b> <b>main</b> <b>Faculty</b> <b>(220)</b>
		DSC1 -20 (4+2)								
	<b>X</b>	DSC1 -21 (4+2)	DSE1 -8 (4+2)				RP (6)	<b>22</b>		
		DSC1 -22 (4)								
	<b>Cu m Cr.</b>	<b>94</b>	<b>36</b>	<b>24</b>	<b>10</b>	<b>14</b>	<b>16</b>	<b>26</b>	<b>220</b>	
<b>Five Year Integrated Degree in Major and Minor with 220 Credits.</b>										

**NOTE:**

1. OE – Each BOS will design Four OE (Open Elective) course for 1st to 4th semester each.
2. L1 –English, L2 – Marathi / Hin (Introductory)
3. Value Added Course: 1. NCC/NSS/Sports/Cultural/MOOCs/SWAYAM/YOGA/Health and Wellness
4. IKS – Each BOS will design one IKS course.
5. Each subject BoS will design curricula for all courses of the subject (including DSC, DSE, RM, etc) and will decide the pattern for credit distribution (Such as for Theory and Practical)
6. 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.
7. OJT/FP: Student has to earned the requisite 04 credits of on-the-job training (OJT) / Field Project (FP) during summer break, after completion of the second semester of the first year in the respective Major Subject.

**Abbreviations:**

Generic/ Open Electives: OE; Vocational Skill and Skill Enhancement Courses: VSEC; Vocational Skill Courses: VSC; Skill Enhancement Courses: SEC; Ability Enhancement Courses: AEC; Indian Knowledge System: IKS; Value Education Courses: VEC; OJT: On Job Training; Internship/ Apprenticeship; Field projects: FP; Co-curricular Courses: CC; Community Engagement & Service: CEP; RM: Research Methodology; Research Project: RP

**Table 3**  
**Dr. Homi Bhabha State University, Mumbai.**  
**Proposed structure for Two Year PG Program (M.Sc.) Degree**

Level	Semester	Major		Minor	OE	VSC, SEC (VSEC)	AEC, VEC, IKS	OJT/FF	Cum. Cr/Sem	Degree/Cum. Cr.
		Mandatory	Elective							
6.0	I	DSC1 -1 (4+2)	DSE1 -1 (4+2)	RM (4)	--	--	--	--	22	44 PG Diploma in Discipline
		DSC1 -2 (4+2)								
	II	DSC1 -3 (4+2)	DSE1 -2 (4+2)	--	--	OJT/FP (4)	22			
		DSC1 -4 (4+2)								
<b>Cum Cr.</b>	<b>24</b>	<b>12</b>	<b>04</b>			<b>04</b>	<b>44</b>			
<b>Exit Option: Award of PG Diploma in Discipline with 44 credits OR Continue with Discipline.</b>										
6.5	III	DSC1 -5 (4+2)	DSE1 -3 (4+2)					RP (4)	22	88 PG Degree in Discipline
		DSC1 -6 (4+2)								
	IV	DSC1 -7 (4+2)	DSE1 -4 (4+2)				RP (6)	22		
		DSC1 -8 (4)								
<b>Cum Cr.</b>	<b>46</b>	<b>24</b>	<b>04</b>			<b>14</b>	<b>88</b>			
<b>Two-year PG Degree in Discipline with 88 Credits.</b>										

**Abbreviations:**

Generic/ Open Electives: OE; Vocational Skill and Skill Enhancement Courses: VSEC; Vocational Skill Courses: VSC; Skill Enhancement Courses: SEC; Ability Enhancement Courses: AEC; Indian Knowledge System: IKS; Value Education Courses: VEC; OJT: On Job Training: Internship/ Apprenticeship; Field projects: FP; Co-curricular Courses: CC; Community Engagement & Service: CEP; RM: Research Methodology; Research Project: RP

\*\* OJT/FP: Student has to earned the requisite 04 credits of on-the-job training (OJT) / Field Project (FP) during summer break, after completion of the second semester of the first year in the respective Major Subject.