



॥ सा विद्या या विमुक्तये ॥

स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड

'ज्ञानतीर्थ', विष्णुपुरी, नांदेड - ४३१ ६०६ (महाराष्ट्र राज्य) भारत

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

'Dnyanteerth', Vishnupuri, Nanded - 431 606 (Maharashtra State) INDIA

Established on 17th September, 1994, Recognized By the UGC U/s 2(f) and 12(B), NAAC Re-accredited with 'B++' grade

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शैक्षणिक वर्ष २०२४-२५ पासून सर्व विद्याशाखांतर्गत पदवी (बी.ए., बी.कॉम., बी.एस्सी.) अभ्यासक्रम राष्ट्रीय शैक्षणिक धोरण २०२० नुसार लागू करणे संदर्भात अभ्यासक्रम श्रेयांक आराखडा, परीक्षा पध्दती, कोर्स निवड पध्दती इत्यादी संदर्भात मार्गदर्शिका.

प रि प त्र क

संदर्भ :- १) शासन निर्णय क्रमांक: एनईपी-२०२२/प्र.क्र.०९/विशि-३/शिकाना दिनांक २० एप्रिल २०२३

२) शासनाचे पत्र क्र. एनईपी-२०२२/प्र.क्र.०९/विशि-३ शिकाना दिनांक १३ मार्च २०२४

या परिपत्रकान्वये सर्व संबंधितांना कळविण्यात येते की, उपरोक्त शासन निर्णयानुसार व मा. अभ्यासमंडळे, मा. विद्याशाखा, मा. अधिष्ठाता मंडळ यांच्या शिफारसीनुसार मा. विद्यापरिषदेने दिनांक १५ मे २०२४ रोजी राष्ट्रीय शैक्षणिक धोरणा अंतर्गत सुधारीत श्रेयांक आराखडयास कार्योत्तर मान्यता प्रदान केली आहे. त्यानुसार सर्व विद्याशाखांतर्गत पदवी (बी.ए., बी.कॉम., बी.एस्सी.) अभ्यासक्रमांच्या राष्ट्रीय शैक्षणिक धोरणाप्रमाणे सर्वांगीन व बहुविद्याशाखीय शिक्षण प्रणालीचा अंतर्भाव करून तयार करण्यात आलेल्या श्रेयांक आराखडयानुसार अभ्यासक्रम शैक्षणिक वर्ष २०२४-२५ पासून लागू करण्यात येत आहेत.

या अभ्यासक्रमांबाबत वेळोवेळी प्राप्त शासन निर्णयांच्या अनुषंगाने विद्यार्थी, पालक, शिक्षक, शिक्षकेत्तर कर्मचारी व इतर अनुषंगीक घटकांना सुलभ माहितीसाठी तयार करण्यात आलेली मार्गदर्शिका मा. कुलगुरूंच्या सुचने नुसार तयार करण्यात आली असून दिनांक ८ मे २०२४ रोजी सर्व संलग्नित महाविद्यालयांच्या प्राचार्यांसाठी आयोजित कार्यशाळेत प्रकाशित करण्यात आली आहे. सदर परिपत्रका सोबत मार्गदर्शिका जोडण्यात येत आहे.

सदरील परिपत्रक विद्यापीठाच्या www.srtmun.ac.in या संकेतस्थळावर उपलब्ध आहे. तरी सदरील परिपत्रक सर्व शिक्षक, शिक्षकेत्तर कर्मचारी, अधिकारी, विद्यार्थी, पालक व अनुषंगिक घटक यांचे निदर्शनास आणावे ही विनंती.

'ज्ञानतीर्थ' परिसर,

विष्णुपुरी, नांदेड - ४३१ ६०६.

जा.क्र.:शै-१/राशैधो/मार्गदर्शिका/२०२४-२५/१८

दिनांक ०३.०६.२०२४

प्रत : १) मा. आधिष्ठाता, विज्ञान व तंत्रज्ञान विद्याशाखा, प्रस्तुत विद्यापीठ.

२) मा. संचालक, परीक्षा व मूल्यमापन मंडळ, प्रस्तुत विद्यापीठ.

३) मा. प्राचार्य, सर्व संबंधित संलग्नित महाविद्यालये, प्रस्तुत विद्यापीठ.

४) मा. संचालक, सर्व संकुले परिसर व उपपरिसर, प्रस्तुत विद्यापीठ

५) मा. प्राचार्य, न्यू मॉडल डिग्री कॉलेज हिंगोली.

६) सिस्टीम एक्सपर्ट, शैक्षणिक विभाग, प्रस्तुत विद्यापीठ. याना देवून कळविण्यात येते की, सदर परिपत्रक संकेतस्थळावर

प्रसिध्द करण्यात यावे.

डॉ. सरिता लोसरवार

सहा.कुलसचिव

शैक्षणिक (१-अभ्यासमंडळ) विभाग



Swami Ramanand Teerth Marathwada University, Nanded

UG 3-year (B.Sc., B.A., B.Com.) / 4-year B.Sc., B.A., B.Com (Hons / Hons with Research) Credit Framework & General Guidelines (As per NEP-2020)

NEP-2020 Implementation Guidelines

This document provides structure, credit framework and detailed guidelines to the stakeholders for selection of courses, credits allocated, assessment procedure, etc. for 3-year / 4-year Under Graduate Bachelor of Science (B. Sc.), Bachelor of Arts (B.A.), Bachelor of Commerce (B. Com.) with Major, Minor courses; Multiple-Entry, Multiple-Exit, and Multi-disciplinary Options as per National Education policy - 2020 (NEP-2020). This credit framework is adopted by the S.R.T.M. University as per Maharashtra Govt. Circulars dated 20th April 2023 and 13th March 2024, has been approved by the Faculty, the Academic Council and the Management Council of the University.



Message from Hon'ble Vice Chancellor

Dear Stakeholders,

A warm and affectionate welcome to the new entrant students, who are embarking on a new and exciting academic odyssey of higher education of Swami Ramanand Teerth Marathwada University, Nanded. SRTM University has a rich legacy of academic excellence and since its establishment has been striving hard to impart quality education to meet national and global challenges. As a result, SRTMU has become a preferred destination of higher education for the students from various parts of the country and beyond. SRTMU enduring to its vision statement "**Enlightened Student: A Source of Immense Power**" owes meteoric rise of the stakeholders through their empowerment and sustainable development. SRTMU aims to develop strategic action plans to focus its energies and resources on igniting the rural youth by transforming them into thoughtful, productive citizens on a local and global scale through high-quality academic, well-rounded, value-added and experiential learning opportunities.

Higher education is a dynamic process and is characterized to enhance the existing skills, interests, understandings and progress of the learners. In the present scenario it is incumbent for the higher education institutes (HEIs) to shake-up their curriculum and make it more of the learner-centric, skill oriented so that the learners are oriented for the self-employment and self-sustaining skills like start-ups. Such an opportunity is provided by the **National Education Policy 2020 (NEP-2020)**, which aims at equipping students with knowledge, skills, values, leadership qualities and initiates them for lifelong learning.

I am delighted to present the "**Common Credit Framework developed by the university for 3 / 4 year undergraduate programs as a part of the implementation of NEP-2020**" from academic year 2024-25. This credit framework offers a plethora of undergraduate, post-graduate, diploma, certificate and research programs. The credit framework is truly learner-centric and provide academic diversity to the learners with ample of opportunities and wide range of flexibility for selection of courses of their choice. As a

result students have options to choose different academic pathways of creative combinations of courses in cross-discipline and blended mode, with an opportunity of **Multiple Entry and Multiple Exit, Flexibility of completing courses at ease** based on his/her own pace. Owing to these characteristics, the new education policy is a path-breaking and transforming policy that enables the students to develop critical and innovative thinking with a major emphasis on acquiring skills and holistic development along with a healthy blend of academics. With a synergy of skill, education, research, training, curricular and extra-curricular activities, exposure to the work cultures in the leading industries through internships and On-Job-Training facilitates the movement of the students through a path of learning, exposure and attitude to becoming job ready professionals. The courses like Indian Knowledge System, Environmental Studies, Constitution of India, Culture Studies, NCC, NSS, Sports, Yoga, Health Fitness, etc, help students to acquire democratic attitude and sense of social and civic responsibilities. Thus, the credit framework adopted by the University has been prepared after a series of rigorous discussions, meetings, interactions with the members of college managements, principals, teachers, parents and stakeholders and was further fine-tuned adopting suggestions from different components of society.

I appreciate the sincere efforts made by the NEP Cell of the University in developing this Framework. I also acknowledge the contribution of the stakeholders, members of Board of Studies of various subjects, Academic Council, the Management Council and Examination Section of the University. I am sure, effective implementation of NEP-2020 certainly enables the learners from this region to harness full human potential and develop well-rounded individuals.

As the Vice Chancellor of this university, while you begin your academic voyage, I urge you to embrace this opportunity with enthusiasm and a sense of determination to make the most of it to learn and grow. I wish every success in future endeavoursof the students to plant their dreams and see them grow into reality.

(Dr. Manohar G. Chaskar)

Vice Chancellor

From the Desk of the Deans.....

Swami Ramanand Teerth Marathwada University, Nanded, enduring to its vision statement “**Enlightened Student: A Source of Immense Power**”, is trying hard consistently to enrich the quality of science education in its jurisdiction by implementing several quality initiatives. Revision and updating curriculum to meet the standard of the courses at national and international level, implementing innovative methods of teaching-learning, improvisation in the examination and evaluation processes are some of the important measures that enabled the University to achieve **the 3Es, the equity, the efficiency and the excellence** in higher education of this region. To overcome the difficulty of comparing the performances of the graduating students and also to provide mobility to them to join other institutions the University has adopted the cumulative grade point average (CGPA) system in the year 2014-2015. Further, following the suggestions by the UGC and looking at the better employability, entrepreneurship possibilities and to enhance the latent skills of the stakeholders the University has adopted the Choice Based Credit System (CBCS) in the year 2018-2019 at graduate and post-graduate level. This provided flexibility to the students to choose courses of their own interests. To encourage the students to opt the world-class courses offered on the online platforms like, NPTEL, SWAYM, and other MOOCS platforms the University has implemented the credit transfer policy approved by its Academic Council and also has made a provision of reimbursing registration fees of the successful students completing such courses.

SRTM University has been producing a good number of high calibre graduates; however, it is necessary to ensure that our aspiring students are able to pursue the right education. Like the engineering students, the youngsters pursuing science education need to be equipped and trained as per the requirements of the R&D institutes and industries. This would become possible only when the students undergo studies with an updated and evolving curriculum to match global scenario.

Higher education is a dynamic process and in the present era the stakeholders need to be educated and trained in view of the self-employment and self-sustaining skills like start-ups. Revision of the curriculum alone is not the measure for bringing reforms in the higher education, but invite several other initiatives. Establishing industry-institute linkages and initiating internship, on job training for the graduates in reputed industries are some of the important steps that the University would like to take in the coming time. As a result, revision of the curriculum was the need of the hour and such an opportunity was provided by the new **National Education Policy 2020 (NEP-2020)**. NEP-2020 aims at equipping students with knowledge, skills, values, leadership qualities and initiates them for lifelong learning. As a result the students will acquire expertise in specialized areas of interest, kindle their intellectual curiosity and scientific temper, and create imaginative individuals.

The NEP-2020 envisages a student-centric educational system with an opportunity to learn multiple courses and programmes and provides a comparable and globally competitive educational system. It transforms the existing Higher Educational System into creative, innovative and research oriented system. In addition to the traditional and time-tested system of continuing with the 3-year educational programme, the NEP provides an opportunity to the young minds to move up the ladder of knowledge stream by entering into the Honors and

Research qualifications. The undergraduate programme envisage to equip students with the capacities in fields across arts, humanities, languages, natural sciences, and social sciences; an ethic of social engagement; soft skills such as complex problem solving, critical thinking, creative thinking, and communication skills, along with rigorous specialization in a chosen disciplinary or interdisciplinary major and minor(s).

The curriculum given in this document has been developed following the guidelines of NEP-2020 and is crucial as well as challenging due to the reason that it is a transition from general science based to the discipline-specific-based curriculum. All the recommendations of the **Sukanu Samiti** given in the **NEP Curriculum Framework-2023** have been followed, keeping the disciplinary approach with rigor and depth, appropriate to the comprehension level of learners. All the Board of Studies (BoS) under various faculties of this university have put in their tremendous efforts in making this curriculum of international standard. They have taken care of maintaining logical sequencing of the subject matter with proper placement of concepts with their linkages for better understanding of the students. We take this opportunity to congratulate the Chairman(s) and all the members of various Boards of Studies for their immense contributions in preparing the revised curriculum for the benefits of the stakeholders in line with the guidelines of the **Government of Maharashtra regarding NEP-2020**. We also acknowledge the suggestions and contributions of the academic and industry experts of various disciplines.

I am sure adoption of the revised credit framework under NEP-2020 shall be advantageous for the stakeholders to elevate their skills and employability capabilities. Introduction of the mandatory **On Job Training, Internship program** for science background students is praise worthy and certainly help the students to imbibe firsthand work experience, team work management. These initiatives will also help the students to inculcate the workmanship spirit and explore the possibilities of setting up of their own enterprises.

Dr. M. K. Patil, Dean (In-charge), *Faculty of Science and Technology*

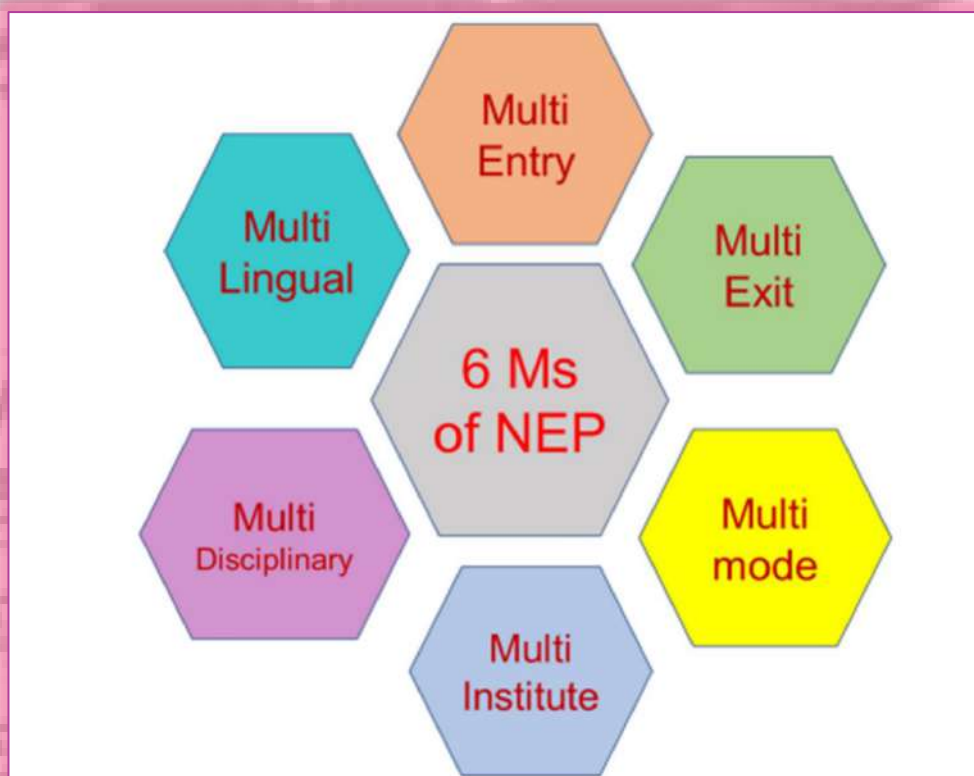
Dr. D. M. Khandare, Dean (In-charge), *Faculty of Commerce and Management Science*

Dr. P. A. Khadke, Dean (In-charge), *Faculty of Humanities*

Dr. C. S. Baviskar, Dean (In-charge), *Faculty of Interdisciplinary Studies*

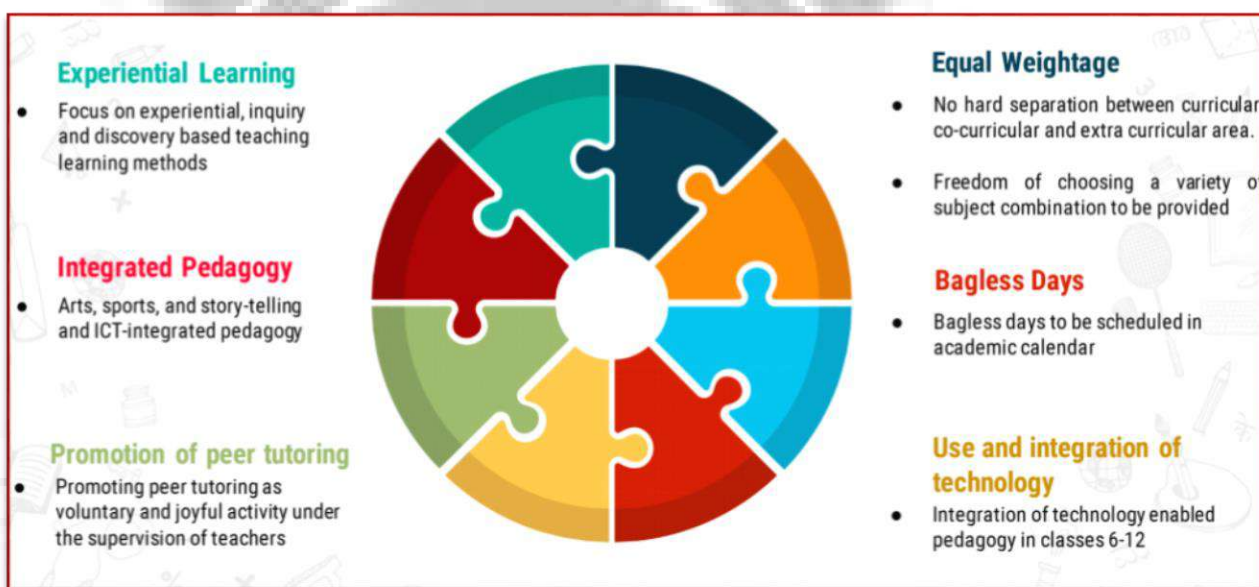
Salient Features of NEP-2020

- *Multidisciplinary and Holistic Education*
- *Flexible Curriculum Structure and Length of Programs*
- *Multiple Entry/Multiple Exit*
- *Multi-disciplinary*
- *Multi-institute*
- *Multi-lingual*
- *Multi-mode*
- *Wide range of Elective Courses of multidisciplinary nature*
- *Credit Based System— Academic Bank of Credits (ABC)*
- *Ends Fragmentation due to Disciplines*
- *Technology-Enabled Teaching, Learning and Governance Online and Digital Education (ODL) - Credit Recognition / Transfer*



Salient Features of NEP-2020

- *Skills and Values - Mapping of skills for better employability*
- *Introducing vocationalization of courses*
- *Integrates research and internship with curriculum*
- *Industry – Institute partnership*
- *Setting up start-up incubation centers*
- *Internships - opportunities with local industry*
- *Promotion of Indian Knowledge Systems, Languages, Culture and Values*
- *Integrating Culture and Arts, Seva / Service / Community Service programs*
- *Student Support - Mechanism for professional, academic, psychological and career counseling*
- *Learning opportunities for Socio-Economically Disadvantaged Groups (SEDGs)*
- *Access to Gender Equity / Persons with Disability (PwD) – Divyang Jan*
- *Research, Innovation and Rankings - National Research Foundation (NRF)*
- *Global Outreach of Higher Education*
- *Campuses of Indian HEIs abroad and vice-versa*





Smt. Jyoti Baobadkar Mahavidyalaya, Nanded
Faculty of Science and Technology

General Guidelines for Selection of Courses

- i. **Major subject** is the discipline or course of main focus, **Bachelors'** degree shall be awarded in that Discipline / subject.
- ii. **Minor Subject(s)** is/are the subjects from the same discipline / faculty and shall act as supporting subjects to the Major.
- iii. At the entry level of the 3/4-year UG program students shall be required to choose any **THREE** of the available subjects in a college/institute as **Optional 1, Optional 2 and Optional 3 subjects, respectively**
- iv. No. of credits assigned to the **Optional 1, Optional 2 and Optional 3** shall be same in **Semesters I and II**.
- v. **In the second year of the degree program students shall have to select one of the three subjects (Optional 1, 2 and 3) as a Major Subject and one as Minor Subject, while third optional shall be discontinued.**
- vi. Students shall have option to switch over from **Major to Minor or vice-versa after first year**.
- vii. Once they finalize their **Major subject** in the beginning of the second year of the programme, they shall pursue their further education in that particular subject as the **Major** course. Therefore, from second year onwards curriculum of the **Major** and **Minor** subjects shall be different.
- viii. Students are required to select **Generic /Open Elective (vertical 3 in the credit framework) compulsorily from the faculties different from their Major / Minor subjects** (select from **Basket 3**).
- ix. **Content and other details of the GE are available in the document prepared by the respective BOS from which the candidate has chosen his/her GE.**
- x. Students shall be required to complete the **Skill based courses of 06 credits** in the first two years.
- xi. **Vocational Courses (VSEC or VSC)** shall be related to the **Major** course
- xii. **Ability Enhancement Courses (AEC):**
 - a) **English Communication Course (Language)** of 2 credits shall be offered in Semester I and III
 - b) **Modern Indian Languages** shall be of 2 credits and shall be offered in Semester II and IV
- xiii. Courses marked as **VEC, CI, IKS and CCC** in Column Nos. 7 and 8 shall be common for all the students irrespective of their faculties of studies.
- xiv. Curriculum of **VEC, CI, IKS and CCC** shall be provided by the University separately.



**SWAMI RAMANAND TEERTH MARATHWADA
UNIVERSITY, NANDED - 431 606**

**Summary of the Credits Assigned to various courses to be proposed by the
Board of Studies under the Faculty of Science and Technology**

A. No. Of Credits assigned to various courses:

Sr No.	Heads	Credits assigned in each Semester								Total Credits
		I	II	III	IV	V	VI	VII	VIII	
1	Optional 1	4	4	8	8	16	16	18/14	18/14	92/84
2	Optional 2	4	4	2	2	--	--	--	--	12
3	Optional 3	4	4	--	--	--	--	--	--	08
3	Generic Electives / Research Methodology	2	2	2	2	--	--	4	--	8 + 4 (12)
4	Vocational and Skill Enhancement Course / Indian Knowledge System	2	2	2	2	4	2	--	--	8+6 (14)
5	Ability Enhancement Course L1 (English)	2	2	2	2	--	--	--	--	8
6	Ability Enhancement Course L2 (SL)	2	2	2	2	--	--	--	--	8
7	Value Added Course /IKS (Constitution of India / EVS)	2	2	--	2	--	--	--	--	6
8	Community Engagement Services NCC/NSS/Sports/Culture	--	--	2	2	--	--	--	--	4
9	Project/ Field Work/ OJT /Internship	--	--	2	--	2	4	--/4	4/8	14/22
10	Total Credits	22	22	22	22	22	22	22	22	176

Major Courses (92 / 84 credits, Basket-1): Each BOS shall suggest Major Courses of 04 credits (02 credit Theory and 02 credit practical papers or two theory papers each of credit 02) for semesters I and II

As the University has adopted Three Optional credit framework, therefore, every student have a freedom to chose three courses of his choice from among the options made available by a particular college / institute (Basket 1). As number of credits assigned to all the three optional are same, therefore, he / she have a freedom to select any one of them as Major and one as Minor course from second year onward.

- 2. Minor Courses (20 + 04 credits):** There shall be three optionals (courses) of same credits in First Year UG. Therefore, Major and Minor courses have same weight-age and students have flexibility to chose any of the three optional as a Major and one as Minor, while third optional shall be discontinued in second year.

Total numbers of credits assigned to the Minor Courses are 20 and a course on Research Methodology of 4 credits in VIIth semester.

- 3. Generic Electives (08 credits; for students from faculties other than Science and Technology, Basket-2):** Students have to choose one paper of 02 credits in semester I to VI as Generic Electives from Basket 2 of faculties other than that of three optionals. As these papers shall be opted by the students from other faculties; therefore, difficulty level of these courses shall at beginners' level (4.0). Students have freedom to choose one Generic Elective paper from Basket-2 in each semester, provided these GE courses are from other faculty.

- 4. Ability Enhancement Course (AEC) (08 credits; common for all faculty students, Basket-3):** One Language course each of 02 credits in the first four semesters.

AEC – First Language English (*Compulsory for all disciplines*) (02 credits each in semesters I to IV)

MIL – Second Language (Students have option to choose second language from the **Language Basket-IV**) (02 credits each in semesters I to IV)

- 5. Vocational and Skill Enhancement Courses (VSC/SEC) (08 +06 credits, VSC shall be related to the Major Course):**

Students have freedom to choose SEC (Skill Enhancement Course) from **Basket - 4**. Vocational Course (VSC) shall be related to the **Major subject**.

- 6. Indian Knowledge System (IKS) (Generic) (02 credits, common for all faculties):** Students have to undertake a course on **Indian Knowledge System** of 02 credits and shall be common for the students from all faculties of study.

- 7. Value Education Courses (VEC) (04 credits, common and compulsory for all faculty students):** Students have to complete two Value Added courses each of 02 credits during semester V and VI and are compulsory for students of all faculties.

a. Constitution of India (02 credits) – in Semester V

b. Environmental Studies (02 credits) – in Semester VI

8. Community Engagement Services (CES / CCC)(04 credits, common for all faculty students): Students need to complete four **Community Engagement Services** courses like **NCC, NSS, Sports, Cultural Studies** each of 02 credits in semesters III and IV and are common across the faculty.

Grades of NCC/NSS/Sports/Cultural courses shall be awarded to the students on the basis of their participation in University, Regional, National, International, Inter-University and Intra-University level activities. Guidelines for the award of grades for NCC/NSS/Sports/Cultural studies shall be prepared by a Committee constituted by the University.

9. Field Work / Projects/ OJT/ Internship/Apprenticeship related to DSC major subjects (14 credits for Honours and 22 credits for Honours with Research credits): The students shall have to complete Field Work, Project, Case Study, Internship or Apprenticeship, etc. as per the credit framework.

10. Bachelor of Science in DSC Honors and Minor in DSM.

For the award of **Bachelor of Science in DSC Honors and Minor in DSM** students have to complete **92 credits** from Major, **20 credits** of Minor and the required number of credits of Field Work / Projects/ Internship/Apprenticeship/Case study **related to Major subject**.

11. Bachelor of Science in DSC Honors with Research and Minor in DSM.

For the award of **Bachelor of Science in DSC Honors with Research and Minor in DSM** students have to complete **84 credits** theory courses of Major subject, **20 credits** of Minor and required number of credits of Field Work /Projects/ Internship/Apprenticeship/Case study **related to Major subject**.

12. The guidelines in this booklet are as per the Directorate Office, Higher and Technical Education, Government of Maharashtra Circular dated 13th March 2024 and are subject to change time-to-time as per the revised guidelines from this office.

MULTIPLE EXIT Options for Students:

1. Exit Option after First year

Students may take exit after completion of first year with **Certificate in Major (DSC) and Minor (DSM) subject** on completion of minimum 44 credits and additional 4 credits of NSQF skill / vocational in major/minor subject or internship during summer vacation.

2. Exit Option after Two years

Students may take exit after completion of second year of the programme with **Diploma in Major (DSC) and Minor (DSM) subject** on completion of minimum 88 credits and additional 04 credits on NSQF skill / vocational or Internship on major/minor courses during summer vacation.

3. Exit Option after Three years

Students may take exit with a Degree as **Bachelors of Science in Major (DSC) and Minor (DSM)** after earning minimum of 132 credits.

4. **Exit Option after Four Years** after completing 176 credits

(a) **Bachelor of Science in DSC Honours and Minor in DSM.**

(b) **Bachelor of Science in DSC with Research and Minor in DSM.**





Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Science and Technology (Three Optional in the First Year)

Credit Framework for Four Year Multidisciplinary Degree Program

with Multiple Entry and Exit

Subject: **DSC** (Major) / **DSM** (Minor 1 and Minor 2)

(For illustration **PHY**, **CHE** and **ELE** combinations are considered, which may change for different combinations)

Year & Level	Sem ester	Optional 1 (Major) <i>(From the same Faculty)</i>	Optional 2 (Minor 1) <i>(From the same Faculty)</i>	Optional 3 (Minor 2) <i>(From the same Faculty)</i>	Generic Elective (GE) <i>(select from Basket 3 of Faculties other than Science and Technology)</i>	Vocational & Skill Enhancement Course	Ability Enhancement Course (AEC) (Basket 4) Value Education Courses (VEC) / Indian Knowledge System (IKS) (Basket 5) <i>(Common across all faculties)</i>	Field Work / Project/Internship/ OJT/ Apprenticeship / Case Study Or Co-curricular Courses (CCC) (Basket 6 for CCC) <i>(Common across all faculties)</i>	Credits	Total Credits
1	2	3	4	5	6	7	8	9	10	11
1 (4.5)	I	SPHYCT1101 (T 2Cr) SPHYCP1101 (P 2Cr) 4 Credits	SCHECT1101 (T 2Cr) SCHECP1101 (P 2Cr) 4 Credits	SELECT1101 (T 2Cr) SELECP1101 (P 2Cr) 4 Credits	SPHYGE1101 (2cr)	SPHYSC1101 2 Credits	AECENG1101 (2Cr) ACEMIL1101 (MAR/HIN/URD /KAN/PAL)(2Cr) IKSXXX1101 (2Cr) 6 Credits	--	22	44
	II	SPHYCT1151 (T 2Cr) SPHYCP1151 (P 2Cr) 4 Credits	SCHECT1151 (T 2Cr) SCHECP1151 (P 2Cr) 4 Credits	SELECT1151 (T 2Cr) SELECP1151 (P 2Cr) 4 Credits	SPHYGE1151 (2cr)	SPHYSC1151 2 Credits	AECENG1101 (2Cr) ACEMIL1151 (MAR/HIN/URD /KAN/PAL)(2Cr) VECCOI1151 (2Cr) <i>Constitution of India</i> 6 Credits	--	22	
	Cum. Cr.	08	08	08	04	04	12	00	44	
Exit option: UG Certificate in Opt 1, Opt 2 and Opt 3 on completion of 44 credits and additional 4 credits from NSQF / Internship										

2 (5.0)	III	SPHYCT1201 (2cr) SPHYCT1202 (2cr) SPHYCP1203 (2cr) SPHYCP1204 (2cr) 8 Credits	SCHEMT1201 SCHEMP1201 (1T+1P) 2 Credits	--	SPHYGE1202 (2cr) 2 Credits	SPHYSC1201 2 Credits	ACEENG1201 (2cr) ACEMIL1201 (2Cr) (MAR/HIN/URD /KAN/PAL) 4 Credits	CCCXXX1201 (2Cr) (NCC/NSS/SPT(sports)/ CLS(Cultural Studies)/HWS(Health Wellness)/ YGE(Yoga Education) / FIT(Fitness) SPHYFP1201 (2Cr) 4Credits	22	88
	IV	SPHYCT1251 (2cr) SPHYCT1252 (2cr) SPHYCP1253 (2cr) SPHYCP1254 (2cr) 8 Credits	SCHEMT1251 SCHEMP1251 (1T+1P) 2 Credits	--	SPHYGE1251 (2cr) 2 Credits	SPHYVC1251 2 Credits	ACEENG1201 (2cr) ACEMIL1201 (2Cr) (MAR/HIN/URD /KAN/PAL) VECEVS1251 (2Cr) 6 Credits	CCCXXX1251 (2Cr) (NCC/NSS/SPT(sports)/ CLS(Cultural Studies)/HWS(Health Wellness)/ YGE(Yoga Education) / FIT(Fitness) 2 Credits	22	
	Cum. Cr.	24	12	08	08	08	22	06	88	
Exit option: UG Diploma in Major DSC and Minor DSM on completion of 88 credits and additional 4 credits NSQF / internship in DSC										
3 (5.5)	V	SPHYCT1301 (T 3Cr) SPHYCT1302 (T 3Cr) SPHYIK1303 (T 2Cr) SPHYCP1304 (P 2Cr) SPHYCP1305 (P 2Cr) 12 Credits	SPHYET1301 (T 3Cr) SPHYEP1301 (P 1Cr) 4 Cr	--	--	SPHYVC1301 4 Credits	--	SPHYFP1301 (2 Cr) 2 Credits	22	132
	VI	SPHYCT1351 (T 3Cr) SPHYCT1352 (T 3Cr) SPHYCT1353 (T 2Cr) SPHYCP1354 (P 2Cr) SPHYCP1355 (P 2Cr) 12 Credits	SPHYET1351 (T 3Cr) SPHYEP1351 (P 1Cr) 4 Cr	--	--	SPHYVC1351 2 Credits	--	SPHYOJ1351 4 Credits	22	
	Cum. Cr.	56	12	08	08	6 + 8 =14	22	04+08		
Exit option: B. Sc. (Bachelor in Science) with Major in DSC and Minor in DSM										

4 (6.0)	VII	SPHYCT1401 (T 4Cr) SPHYCT1402 (T 4Cr) SPHYCT1403 (T 2Cr) SPHYCP1404 (P 4Cr) 14 Credits	SPHYET1401 (T 3Cr) SPHYEP1401 (P 1Cr) 4 Cr	Research Methodology SPHYRM1401 4 Credits						22	
	VIII	SPHYCT1451 (T 4Cr) SPHYCT1452 (T 4Cr) SPHYCT1453 (T 2Cr) SPHYCP1454 (P 4Cr) 14 Credits	SPHYET1401 (T 3Cr) SPHYEP1401 (P 1Cr) 4 Cr	--					SPHYOJ1451 4 Credits	22	
	Cum Cr	Honours: 92		12+4	08	08	V-08 + S-06	AEC-8+MIL-8 +VEC-4 +IKS-2	16		176
Exit option: B. Sc. (Hons) with Major in <u>DSC</u> and Minor in <u>DSM</u>											
4 (6.0)	VII	SPHYCH1401 (T 3Cr) SPHYCH1402 (T 3Cr) SPHYCH1403 (T 4Cr) (H- Honours) 10 Credits	SPHYET1401 (T 3Cr) SPHYEP1401 (P 1Cr) 4 Cr	Research Methodology SPHYRM1401 4 Credits					Research Project SPHYRP1401 4 Credits	22	44
	VIII	SPHYCH1451 (T 3Cr) SPHYCH1452 (T 3Cr) SPHYCH1453 (T 4Cr) (H- Honours) 10 Credits	SPHYET1451 (T 3Cr) SPHYEP1451 (P 1Cr) 4 Cr	--					Research Project SPHYRP1451 8 Credits	22	
Exit option: B. Sc. (Hons with Research) in <u>DSC</u> and Minor in <u>DSM</u>											
Total Credits	Major – 92 / 84		Minor 1 -12+ RM - 04	Minor-2 08	GE/OE - 08	(V-08 + S-06) 14	(AEC-8 + MIL-8+VEC-4 + IKS-2)22	(CC-04+FP/CS-04+OJT-04+RP-12) 30	176		



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities (Example- 1 Three Optional)

Structure for Four Year Multidisciplinary Degree Program with Multiple Entry and Exit

Subject: DSC (Major) /DSM (Minor)

Year & Level	Sem ester	Optional-1	Optional-2	Optional-3	Generic Elective (GE) (select from Basket 3 of (Faculties other than Humanities)	Vocational & Skill Enhancement Course	Ability Enhancement Course (AEC) (Basket 4) Value Education Courses (VEC / Indian Knowledge System (IKS)(Basket 5) (Common across all faculties)	Field Work / Project/Internship/ OJT/ Apprenticeship / Case Study Or Co-curricular Courses (CC) (Basket 6 for CC) (Common across all faculties)	Credits	Total Credits
1	2	3	4	5	6	7	8	9	10	11
1 (4.5)	I	HXXXCT1101 (2 Cr) HXXXCT1102 (2 Cr) 4 Credits	HXXXCT1101 (2 Cr) HXXXCT1102 (2 Cr) 4 Credits	HXXXCT1101 (2 Cr) HXXXCT1102 (2 Cr) 4 Credits	HXXXGE1101 (2 Cr)	HXXXSC1101 2 Credits	AECENG1101 (2Cr) AECXXX1101 (2Cr) (Hin, Mar, Kan, Pal, Urd, San, etc) IKSXXX1101(2Cr) 6 Credits	--	22	44
	II	HXXXCT1151 (2 Cr) HXXXCT1152 (2 Cr) 4 Credits	HXXXCT1151 (2 Cr) HXXXCT1152 (2 Cr) 4 Credits	HXXXCT1151 (2 Cr) HXXXCT1152 (2 Cr) 4 Credits	HXXXGE1151 (2 Cr)	HXXXSC1151 2 Credits	AECENG1151 (2Cr) AECXXX1151 (2Cr) (Hin, Mar, Kan, Pal, Urd, San, etc) VECCOI1151 (2Cr) Constitution of India 6 Credits	--	22	
	Cum. Cr.	08	08	08	04	04	12	00	44	44
Exit option: UG Certificate in Opt 1, Opt 2 and Opt 3 on completion of 44 credits and additional 4 credits from NSQF / Internship										

2 (5.0)	III	HXXXCT1201 (4 Cr) HXXXCT1202 (4 Cr) 8 Credits	HXXXMT1201 2 Credits	---	HXXXGE1201 (2 Cr) 2 Credits	HXXXSC1201 2 Credits	AECENG1201(2Cr) AECXXX1201 (2Cr) (Hin, Mar, Kan, Pal, Urd, San, etc) 4 Credits	CCCXXX1201 (NCC/NSS/Sports/ Culture/Health Wellness/ Yoga Education / Fitness) (2 Cr) HXXXFP1201(2Cr) 4 Credits	22	88
	IV	HXXXCT1251 (4 Cr) HXXXCT1252 (4 Cr) 8 Credits	HXXXMT1251 2 Credits	---	HXXXGE1251 (2 Cr) 2 Credits	HXXXVC1251 2 Credits	AECENG1251 (2Cr) AECXXX1251 (2Cr) (Hin, Mar, Kan, Pal, Urd, San, etc) VECEVS1251 (2Cr) Environmental Studies 6 Credits	CCCXXX1251 (NCC/NSS/Sports/ Culture/Health Wellness/ Yoga Education / Fitness) (2 Cr)	22	
	Cum. Cr.	24	12	08	08	6+2= 08	22	06	44	88
Exit option: UG Diploma in Major DSC and Minor DSM on completion of 88 credits and additional 4 credits NSQF / Internship in DSC										
3 (5.5)	V	HXXXCT1301 (4Cr) HXXXCT1302 (4Cr) HXXXCT1303 (4Cr) 12 Credits	HXXXET 1301 4 Credits	-----	---	-----	HXXXVC1301 4 Credits	-----	HXXXFP1301 2 Credits	22
	VI	HXXXCT1351 (4Cr) HXXXCT1352 (4Cr) HXXXCT1353 (2Cr) HXXXIK1351 (2Cr) 12 Credits	HXXXET 1351 4 Credits	--	-----	---	HXXXVC1351 2 Credits	-----	HXXXOJ1351 4 Credits	22
	Cum. Cr.	48+8=56	12	08	08	6 + 8 =14	22	12	44	132
Exit option: Bachelor of Humanities with Major in DSC and Minor in DSM										

4 (6.0)	VII	HXXXCT1401 (4Cr) HXXXCT1402 (4Cr) HXXXCT1403 (4Cr) HXXXCT1404 (2Cr) 14 Credits	HXXXET 1401 4 Credits	HXXXRM1401 Research Methodology 4 Credits		--	--	--	--	22		
	VIII	HXXXCT1451 (4Cr) HXXXCT1452 (4Cr) HXXXCT1453 (4Cr) HXXXCT1454 (2Cr) 14 Credits	HXXXET 1451 4 Credits	--		--	--	--	HXXXOJ1451 4 Credits	22		
	Cum Cr	Honours: 76+16=92		12+ RM 04	08	08	(V-08 + S-06) 14	(AEC-16 + VEC-4 + IKS-2) 22	(CC-04+FP/CS- 04+OJT-04+OJT 4) 16	44	176	
Exit option: Bachelor of Humanities with Major in DSC (Honours) and Minor in DSM												
4 (6.0)	VII	HXXXCT1401 (4Cr) HXXXCT1402 (4Cr) HXXXCT1403 (2Cr) 10 Credits	HXXXET 1401 4 Credits	HXXXRM1401 Research Methodology 4 Credits		--	--	--	HXXXRP1401 Research Project (4Cr)	22		
	VIII	HXXXCT1451 (4Cr) HXXXCT1452 (4Cr) HXXXCT1453 (2Cr) 10 Credits	HXXXET 1451 4 Credits	--		--	--	--	HXXXRP1451 Research Project (8Cr)	22		
Exit option: Bachelor of Humanities with Major in DSC (With Research) and Minor in DSM											44	
Total Credits	Major – 68+16=84		12+ RM 04	08	GE/OE - 08	(V-08 + S-06) 14	(AEC-16 + VEC-4 + IKS-2)22	(CC-04+FP/CS- 04+OJT-04+RP- 12) 24	176			



Swami Ramanand Teerth Marathwada University, Nanded

Credit Framework of Faculty of Commerce and Management

Structure for Four Year Multidisciplinary Degree Programme in Commerce (B.Com) with Multiple Entry and Exit Options

Subject: Commerce

Year & Level	Semester	Subject-1 Major (DSC/DSE)	Subject-2 Major (DSC)	Subject-3 Major (DSC)	Generic Elective (GE) (select from Basket 3 of Faculties other than Commerce and Management)	Vocational & Skill Enhancement Course (Related to DSC/DSM for Sem I and II; and related to DSC for Sem III onwards)	Ability Enhancement Course (AEC) (Basket 4) Value Education Courses (VEC) / Indian Knowledge System (IKS) (Basket 5) (Common across all faculties)	Field Work / Project/Internship/ OJT/ Apprenticeship / Community Engagement Services Or Co-curricular Courses (CC) (Basket 6 for CC) (Common across all faculties)	Credits	Total Credits
1	2	3	4		5	6	7	8	9	10
1 (4.5)	I	DSC101 (4 Cr) 4 Credits	DSC101 (4 Cr) 4 Credits	DSC101(4Cr) 4 Credits	GE/OE101(2Cr) 2 Credits	SEC101(2Cr) 2 Credits	AECENG1101(2Cr) AECMIL1102(2Cr) Hin,Mar,Kan,Pal,etc) IKS1(2 Cr) 6 Credits	--	22	44
	II	DSC 151 (4 Cr) 4 Credits	DSC151 (4 Cr) 4 Credits	DSC 151 (4Cr) 4 Credits	GE/OE151(2Cr) 2 Credits	SEC151(2 Cr) 2 Credits	AECENG1151(2Cr) AECMIL1152(2Cr) (Hin,Mar,Kan,Pal,etc) VEC151(2 Cr) Constitution of India 6 Credits	--	22	
	Cum. Cr.	08	08	08	04	04	12	00	44	

Exit option: UG Certificate in Commerce on completion of 44 Credits and additional 4 credits from NSQF/ Internship

2 (5.0)	III	DSC201 (4 Cr) DSC202(4 Cr) 8 Credits	DSM201(2Cr) 2 Credits	----	GE/OE1201(2Cr) 2 Credits	SEC201(2 Cr) 2 Credits	AECENG1201(2Cr) AECMIL1201(2Cr) (Hin,Mar,Kan,Pal,etc) 4 Credits	FP201(2Cr) CC1201 (2 Cr) (NCC/NSS/Sports/Cult ure/HealthWellness/Yo gaEducation/Fitness) 4 Credits	22	88
	IV	DSC251 (4 Cr) DSC252(4 Cr) 8 Credits	DSM251(2Cr) 2 Credits	----	GE/OE1251(2Cr) 2Credit	VSC301(2Cr) 2 Credits	AECENG1251(2Cr) AECMIL1251(2Cr) (Hin,Mar,Kan,Pal,etc) VEC251 (2 Cr) EnvironmentalStudies 6 Credits	CC1251(2 Cr) (any one ofNCC/NSS/Sports/ Culture/HealthWellness/ Yoga Education /Fitness) 2 Credits	22	
Cum .Cr.		24	12	08	08	08	22	06	88	

Exit option: UG Diploma in Commerce on completion of 88 credits and additional 4credits NSQF/internship

3 (5.5)	V	DSC301(4Cr) DSC302(4 Cr) DSC303(4 Cr) 12 Credits	DSE301 (4cr) 4 Credits	-----	---	-----	VSC301(4Cr) 4 Credits	-----	FP301(2 Cr) (FP/CEP) 2 Credits	22	
	VI	DSC351(4 Cr) DSC352(4 Cr) DSC353(2 Cr) 10 Credits	DSE351 (4cr) 4Credits	--	----	--	VSC351(4 Cr) 4 Credits	----	OJT351 (4 Cr) 4 Credits	22	

	Cum .Cr.	54	12	08	12	14	14	18		132	
Exit option: Bachelor in Commerce											
4 (6.0)	VII	DSC401(4Cr) DSC402(4Cr) DSC403(4Cr) DSC404(2Cr) 14 Credits	DSE401 (4cr) 4Credits	Research Methodology RM401(4cr) 4 Credits		--	--	--	--	22	
	VIII	DSC451(4Cr) DSC452(4Cr) DSC453(4Cr) DSC454(2Cr) 14 Credits	DSE451 (4cr) 4Credits	--		--	--	--	OJT451(4Cr) 4 Credits	22	
	Cum Cr	Major =90	Minor: 20+4 RM=24		GE/OE =12	(V-08+S- 06)=14	(AEC-8+ VEC-4 +IKS-2)=14	(CC-08+FP/CEP- 06+OJT-08)=22		176	
Exit option: B. Com. Honors											
4 (6.0)	VII	DSC401(4Cr) DSC402(4Cr) DSC404(2Cr) 10 Credits	DSE401 (4cr) 4Credits	Research Methodology RM401(4cr) 4 Credits		--	--	--	ResearchProject (Field Work/Survey) RP401(4Cr)	22	44
	VIII	DSC451(4Cr) DSC452(4Cr) DSC454(2Cr) 10 Credits	DSE451 (4cr) 4Credits	---		--	--	--	Research Publication and Ethics RP451 (2Cr) ResearchProject/Diss ertation RP451(6Cr)	22	
Total Credits		Major=82	Minor: 20+4 RM=24		GE/OE =12	(V-08+S- 06)=14	(AEC-8+ VEC-4 +IKS-2)=14	(CC-08+FP/CEP- 06+ OJT-04+RP-12)=30		176	
Exit option: B.Com. Honors with Research											

Abbreviations:

1. **DSC:** Department/Discipline Specific Core (Major)
2. **DSE:** Department/Discipline Specific Elective (Major)
3. **DSM:** Discipline Specific Minor
4. **GE/OE:** Generic/Open Elective
5. **VSEC:** Vocational Skill and Skill Enhancement Course
6. **VSC:** Vocational Skill Courses
7. **SEC:** Skill Enhancement Courses
8. **AEC:** Ability Enhancement courses
9. **MIL:** Modern Indian languages
10. **IKS:** Indian Knowledge System
11. **VEC:** Value Education Courses
12. **OJT:** On Job Training: (Internship/Apprenticeship)
13. **FP:** Field Projects
14. **CEP:** Community Engagement and Service
15. **CC:** Co-Curricular Courses
16. **RM:** Research Methodology
17. **RP:** Research Project/Dissertation



Swami Ramanand Teerth Marathwada University, Nanded

Assigning TEN DIGIT Codes to the CoursesALPHANUMERIC Coding AAAAAA XXXX

First (A) Letter indicate Faculty: **H**– Humanities; **S** - Science; **C**– Commerce, & Management, **I** - Interdisciplinary Studies and **D** –Distance / External mode .

- 2) **Next Three Letters(XXX) indicates Subject** (e.g. **ECO** – Economics, **PHY** – Physics, **COM** – Commerce, **CSC** – Computer Sci.) etc.
- 3) **Fourth and Fifth Letters indicate nature of the course** : (e.g. **CT** – Core Theory, **CP** – Core Practical, **MT** – Minor Theory, **ET** – Elective Theory, **EP** – Elective Practical, **FP**– Field Project, **FW** – Field Work, **OJ** – On Job training, **GE** - Generic /open Elective, **IN** – Internship, **CS** – Case Study, **VC** - Vocational Skill Courses, **SC** - Skill Enhancement Courses, **AEC** - Ability Enhancement courses, **ML** - Modern Indian languages, **CCC** - Co-Curricular Courses/ Community Engagement and Service, **RM** - Research Methodology, **IKC** - Indian Knowledge System, **VEC** - Value Education Courses, etc.)
- 4) **Sixth Character or First Number**: indicate the Centre (**1**- for Affiliated colleges, **2** -Main Campus, **3**- Model Degree College, **4**- Sub-Centre Latur, **5**-Sub-Centre Parbhani, **6** –Sub-Centre Kinwat)
- 5) **Seventh Character or second number indicate** -Year of Study.e.g. **1** - First year, **2**- second year.etc.
- 6) **Last Two Numbers** indicate Course Number

e.g. **SPHYCT1101**– Faculty of Science & Technology (**S**)PHYSICS (**PHY**) subject Core Theory (**CT**) Course offered in the First Semester in affiliated colleges

Sr. No	UG/PG	Semester	Affiliated Colleges	Main Campus	Model Degree College	Sub-center Latur	Sub-center Parbhani	Sub-Centre Kinwat
1	First Year	Semester I	1101 to 1150	2101 to 2150	3101 to 3150	4101 to 4150	5101 to 5150	6101 to 6150
2		Semester II	1151 to 1199	2151 to 2199	3151 to 3199	4151 to 4199	5151 to 5199	6151 to 6199
3	Second Year	Semester III	1201 to 1250	2201 to 2250	3201 to 3250	4201 to 4250	5201 to 5250	6201 to 6250
4		Semester IV	1251 to 1299	2251 to 2299	3251 to 3299	4251 to 4299	5251 to 5299	6251 to 6299
5	Third Year	Semester V	1301 to 1350	2301 to 2350	3301 to 3350	4301 to 4350	5301 to 5350	6301 to 6350
6		Semester VI	1351 to 1399	2351 to 2399	3351 to 3399	4351 to 4399	5351 to 5399	6351 to 6399
7	Fourth Year	Semester VII	1401 to 1450	2401 to 2450	3401 to 3450	4401 to 4450	5401 to 5450	6401 to 6450
8		Semester VIII	1451 to 1499	2451 to 2499	3451 to 3499	4451 to 4499	5451 to 5499	6451 to 6499
9	Fifth Year	Semester IX	1501 to 1550	2501 to 2550	3501 to 3550	4501 to 4550	5501 to 5550	6501 to 6550
10		Semester X	1551 to 1599	2551 to 2599	3551 to 3599	4551 to 4599	5551 to 5599	6551 to 6599



Basket 1: List of Optional Subjects in Science (DSC)

In Sem I Students need to select **ANY THREE SUBJECTS**, one each from any **THREE GROUPS** from the following table, as **Optional I, Optional II and Optional III**

Sr No	Group I	Group II	Group III	Group IV	Group V
1	Physics	Mathematics	Chemistry	Computer Science	Electronics
2	Botany	Zoology		Industrial Chemistry	Microbiology
3				Fishery Science	Dairy Science
4				Statistics	Biotechnology
5					Biochemistry
6					Biophysics
7					Bio-informatics
8					Food Science
9					Horticulture
10					Herbal Medicine
11					Seed Technology
12					Agro Chemical Fertilizers
13					Agricultural Microbiology
14					Analytical Chemistry
15					Dyes & Drugs Chemistry
16					Computer Application
17					Information Technology
18					Network Technology
19					Software Engineering
20					Computer Management
21					Computer Maintenance
22					Computer Networking
23					Environmental Science
24					Geology
25					Geography
26					Remaining other subjects



Basket 1: List of Major subjects in Humanities (DSC)

In Sem I *Students need to select ANY THREE SUBJECTS, one each from any THREE GROUPS from the following table, as Optional I, Optional II and Optional III*

Sr No	Group I	Group II	Group III	Group IV
1	Marathi	Economics	History	Political Science
2	Hindi	Public Administration	Sociology	Geography
3	English	Philosophy	Education	Psychology
4	Urdu	Library Science	Yoga	Office Management
5	Pali	Military Science	Meditation	Information Technology
6	Kannada	Physical Education	Music	Domestic Animal Farming
7	Sanskrit			Journalism and Mass Communication
8	Functional English			Mathematics
9	Functional Hindi			Home Science
10	Russian			Administrative Services
11	French			Human Rights
12	Spanish			NCC
13				Remaining other Subjects

Basket 1: List of Optional subjects in Commerce and Management (DSC)

In Sem I Students shall have following *THREE* subjects as *OPTIONALS*

Sr No	List of Subjects
1	Financial Accounting-I
2	Business Economics-I
3	Business Statistics

Basket 2: List of Generic Elective courses (GE)*

* Students from the Faculties other than **Science and Technology** shall choose either of the following **GE** courses from this **Basket 3 (Vertical 3)** at appropriate levels. **Students from the Faculty of Science and Technology have to choose GE courses from the other faculties (e.g. Humanities, Commerce & Management, and Interdisciplinary Studies)**

Semester I, II, III and IV	Sr No	BOS proposing Generic Elective Course	Details of Generic Elective Course to be opted by the students other than Faculty of Science and Technology	
			CODE	Title of the Course
<p><i>(Students from faculties other than Science and Technology shall select Generic Elective Courses)</i></p> <p><i>(To be opted by students from faculties other than Science and Technology)</i></p>	1	BOS in Botany	e.g. SBOTG1101	1. Fruit & Vegetable Processing Technology 2. Medicinal Plants from Marathwada 3. Plant Disease Identification & Management 4. Biodiversity Conservation
	2	BOS in Chemistry	e.g. SCHEG1101	1. Soil and Fertilizer Chemistry 2. Everyday Chemistry 3. The Chemistry of Health
	3	BOS in Mathematics	e.g. SMATG1101	1. Quantitative Aptitude and Logical Reasoning 2. Foundation of Mathematics 3. Basic Algebra 4. Financial Mathematics
	4	BOS in Physics	e.g. SPHYG1101	1. Wonders in the Sky 2. Renewable Energy 3. LIGO Science 4. Physics for Biologist 5. Introductory Nuclear Physics 6. Introduction to Measuring Instruments
	5	BOS in Zoology	e.g. SZOOG1101	1. Animal Behavior, Welfare & Ethics 2. Wild life conservation & Management 3. Applied Zoology 4. Environment & Public Health
	6	BOS in Electronics	e.g. SELEG1101	1. Electronic components 2. Electronics for Everyone 3. Mobile Communication Systems 4. Consumer Electronics
	7	BOS in Statistics	e.g. SSTAG1101	1. Statistical Methods 2. Introductory Probability and Distributions 3. Fundamentals of Applied Statistics

			4. Introductory Time Series Analysis 5. Sample Survey and Analysis 6. Introduction to Inferential Statistics
8	BOS in Microbiology	e.g. SMCRG1101	1. General Microbiology 2. Historical Development in Microbiology 3. Microorganisms for Human Welfare 4. General Biochemistry
9	BOS in Dairy Science	e.g. SDRSG1101	1. Conservation of Greens 2. Clinical Practices of Livestock 3. Routine Management Practices in Farm Animals 4. Animal Husbandry in India
10	BOS in Biotechnology	e.g. SBTCG1101	1. Biofuels and Bioenergy 2. Bio-entrepreneurship 3. Applications of Biotechnology 4. Biosafety and Bioethics 5. Applications of Biotechnology in Agriculture 6. Biotechnology Entrepreneurship
11	BOS in Biochemistry	e.g. SBCHG1101	1. Mushroom Cultivation 2. ICT 3. Plant nutrients and its management 4. Digital Literacy
12	BOS in Biophysics	e.g. SBPHG1101	--
13	BOS in Bioinformatics	e.g. SBNFG1101	1. Biodiversity 2. Comparative Genomics and Proteomics 3. Introduction to Bio-informatics 4. Bioinformatics databases
14	BOS in Food Science	e.g. SFDSG1101	
15	BOS in Horticulture	SHRTG1101	
16	BOS in Herbal Medicine	SHBMG1101	
17	BOS in Agrochemicals and Fertilizers	e.g. SAGFG1101	1. Fundamentals of Agronomy-I 2. Crop Production Technology-I (Kharif crops) 3. Fundamentals of Agronomy-II 4. Crop Production Technology-II (Rabbi crops)
18	BOS in Agricultural Microbiology	e.g. SAGMG1101	1. Soil Health Management 2. History of Microbiology 3. General Biochemistry

				4. Microorganisms for Agricultural Welfare
19	BoS Seed Technology	e.g. SSDTG1101		1. Morphology of Seed Plants 2. Developmental study of seed plants 3. Testing for Cultivar Genuineness 4. Plant Breeding Technology
20	BOS in Analytical Chemistry	e.g. SACHG1101		1. Laboratory Operations and Practices
21	BOS in Dyes & Drugs Chemistry			2. Analytical Chemistry
22	BOS in Industrial Chemistry			3. Permitted food additive and their role 4. Food Adulteration
23	BOS in Computer Science	e.g. SCSCG1101		1. Digital Literacy 2. Cyber Security 3. ICT 4. Data Science
24	BOS in Computer Application	e.g. SCMAG1101		1. Elements Of Statistics
25	BOS in Information Technology			2. Hardware & Networking Essentials - I
26	BOS in Network Technology			3. Operating System 4. Hardware & Networking Essentials-II
27	BOS in Optional Computer Application	e.g. SOCAG1101		1. Information Communication Technology 2. Programming Language Concepts 3. Digital Marketing 4. Multimedia Concepts
28	BOS in Software Engineering	e.g. SSFEG1101		1. Introduction to Information Technology
29	BOS in Computer Management			2. Mathematical Techniques in Computer Science
30	BOS in Computer Network			
31	BOS in Environmental Science	e.g. SEVSG1101		1. Introduction to Environment & Water Resources 2. Introduction to Solid Waste 3. Environmental Sanitation 4. Renewable Energy Resources
32	BOS in Fishery Science	e.g. SFSCG1101		1. Fish preservation 2. Introduction to fish and fisheries 3. Fish product development 4. Introduction to fishing 5. Introduction to aquarium fishes and plant 6. Fresh water prawn culture 7. Fabrication and management

				of aquarium 8. Aquatic pollution
	33	BOS in Geology	e.g. SGEOG1101	1. Dynamics of the Earth 2. Introduction to Minerals 3. Introduction to Rocks 4. Introduction to Landforms
	34	BOS in Computer Science (MDC)	e.g. SCSCG1101	1. Digital Literacy 2. Cyber Security 3. Internet of Things 4. Data Science

Basket 2: List of Generic Elective courses (GE)*

Offered by the Faculty of Commerce and Management

Generic Elective 1 (Only Students of other Disciplines can opt anyone)	CCOMGE1101	Business Communication
	CCOMGE1102	Accounting for Everyone



Basket 3: Modern India Language (L2)

(Each of 02 Credits for I and II Year)(Vertical 5)

Semester	Name of the Second Language	Details of Second Language (L2)	
		CODE	Title of the Corse (Paper)
Semester I/II	1. Marathi	AEC MAR 1201	
	2. Hindi	AEC HIN 1201	
	3. Urdu	AEC URD 1201	
	4. Kannada	AEC KAN 1201	
	5. Pali	AEC PAL 1201	
Semester III/IV	1. Marathi	AEC MAR 1251	
	2. Hindi	AEC HIN 1251	
	3. Urdu	AEC URD 1251	
	4. Kannada	AEC KAN 1251	
	5. Pali	AEC PAL 1251	

(Syllabus will be proposed by the BoS in respective languages)

Note: Depending on the student strength College shall have a choice to offer **ACEENG1101** and **AECXXX1101** in both semesters by making two groups of students such that Group 1 will learn Compulsory English and Group 2 lean Modern Indian Languages (MIL, SL) in first semester, while in second semester these subjects shall interchange for Soups 1 and 2.



B. Sc. First Year Semester I (Level 4.5)

Teaching Scheme

	Course Code	CourseName	CreditsAssigned			TeachingScheme (Hrs/ week)	
			Theory	Practical	Total	Theory	Practical
Optional 1	SDSCCT1101	Title of paper 1	02	--	04	02	--
	SDSCCP1101	Title of paper 2 (practical)	-	02			04
Optional 2	SDSCMT1101	Title of paper 1	02	--	04	02	--
	SDSCMP1101	Title of paper 2 (practical)	-	02			04
Optional 3	SDSCMT1101	Title of paper 1	02	--	04	02	--
	SDSCMP1101	Title of paper 2 (practical)	-	02			04
Generic Electives <i>(from other Faculty)</i>	SDSCGE1101	Title of Generic Elective Paper (Basket 2 of respective Faculty)	02	--	02	02	--
Skill Based Course <i>(related to Major)</i>	SDSCSC1101	Title of Skill Paper	--	02	02	--	04
Ability Enhancement Course	AECENG1101	L1 – Compulsory English	02	--	02	02	--
Ability Enhancement Course (MIL)	AECMIL1101	L2 – MIL (Basket 3)	02	--	02	02	--
Indian Knowledge System (IKS)	IKSXXX1101	Select from	02	--	02	02	--
Total Credits			14	08	22	12	20



B. Sc. First Year Semester I (Level 4.5)

Examination Scheme

[20% Continuous Assessment (CA) and 80% End Semester Assessment (ESA)]

(For illustration we have considered a paper of 02 credits, 50 marks, need to be modified depending on credits assigned to individual paper)

Subject (1)	Course Code (2)	CourseName (3)	Theory				Practical		Total Col (6+7) / Col (8+9) (10)
			Continuous Assessment (CA)			ESA			
			Test I (4)	Test II (5)	Average of T1 & T2 (6)	Total (7)	CA (8)	ESA (9)	
Optional 1	SDSCCT1101	Title of paper 1	10	10	10	40	--	--	50
	SDSCCP1101	Title of paper 2 practical	--	--	--	--	20	30	50
Optional 2	SDSCMT1101	Title of paper 1	10	10	10	40	--	--	50
	SDSCMP1101	Title of paper 2 practical	--	--	--	--	20	30	50
Optional 3	SDSCMT1101	Title of paper 1	10	10	10	40	--	--	50
	SDSCMP1101	Title of paper 2 practical	--	--	--	--	20	30	50
Generic Elective	SDSCGE1101	Title of Generic Elective Paper (Basket 2)	10	10	10	40	--	--	50
Skill Based Course	SDSCSC1101	Title of Skill Paper	--	--	--	--	20	30	50
Ability Enhancement Course	AECENG1101	L1 – Compulsory English	10	10	10	40	--	--	50
Ability Enhancement Course (MIL)	AECMIL1101	L2 – MIL	10	10	10	40	--	--	50
Indian Knowledge System	IKSXXX1101	Title (Basket 3)	10	10	10	40	--	--	50

Course Structure:Major 1 -Teaching Scheme

CourseCode	CourseName (Paper Title)	TeachingScheme(Hrs.)		CreditsAssigned		
		Theory	Practical	Theory	Practical	Total
SDSCCT1101	-----	02	--	02	--	02

Major 1 -Assessment Scheme

Course Code (2)	CourseName (3)	Theory				Practical		Total [Col (6+7) or Col (8+9)] (10)
		CA			ESA (7)			
		Test I (4)	Test II (5)	Avg of T1 & T2 (6)				
SDSCCT1101	-----	10	10	10	40	--	--	50

SDSCCT1101: Title (Major 1) Curriculum Details

Coursepre-requisite:

1.
2.
-

CourseObjectives:

-
-
-

CourseOutcomes:

-
-
-
-

Curriculum Details:*(There shall be FOUR Modules in each course)*

ModuleNo.	UnitNo.	Topic	Hrs. Required to cover the contents
1.0			
	1.1		
	1.2		
	1.3		
	1.4		
2.0			
	2.1		
	2.2		
	2.3		
	2.4		
3.0			
	3.1		
	3.2		
	3.3		
	3.4		
4.0			
	4.1		
	4.2		
	4.3		
	4.4		
		Total	

TextBooks:

1. Name Authors (as appeared on the book), “Title of text Book”, Vol..., Edition, Name of Publisher, Year of Publications
2. ..
3. ..
4. ..

ReferenceBooks:

1. Name Authors (as appeared on the book), “Title of reference Book”, Vol..., Edition, Name of Publisher, Year of Publications
2. ..
3. ..
4. ..

Guidelines for the Course Assessment:

A. Continuous Assessment (CA) (20% of the Maximum Marks) of theory and practical courses:

- i. **For Theory Course:** CA shall form 20% of the Maximum Marks and shall be carried out over the entire semester. It shall be done by conducting **Two Tests** (Test I on 40% curriculum) and **Test II** (on remaining 40% syllabus) and average of the marks scored by a student in these two tests of a particular paper shall be taken as the **CA** score.
- ii. **For Practical Course:** CA score of the practical course shall be marks scored by a student in the internal practical examination conducted by the concerned teacher.

B. End Semester Assessment (80% of the Maximum Marks) of theory and practical courses:

(For illustration a paper of 02 credits, 50 marks has been considered and shall be modified appropriately depending upon credits of the individual paper)

Question Paper Pattern of the ESA:

- i. **ESA Question paper shall consist 6 questions, each of 10 marks**
- ii. **Question No.1 shall be compulsory and shall be based on the entire syllabus**
- iii. **Students shall have to solve ANY THREE of the remaining Five Questions (i.e. from question 2 to 6)**
- iv. **Students shall have to solve a TOTAL of 4 Questions.**

C. Assessment of On Job Training (OJT) Course (for 04 credits):

- a. Continuous assessment part (**40%, 40 marks out of 100**) of this course shall be done by the mentor of the student, where he /she is supposed to complete his On Job Training. This shall be based on the regularity, participation and performance of the students at the place of OJT.
- b. Semester End Assessment (ESA) (**60% of the total marks, 60 marks out of 100**) of this course shall be done by a panel of examiners in two parts
 - i. based on the work report submitted by the student (**50% i.e. 30 marks**) and
 - ii. **Remaining 50%** (30 marks) shall be based on his presentation and viva-voce on the work carried to be assessed by the panel of examiners. This assessment shall be done along with practical examinations of respective courses / subjects.

D. Assessment of Field Project (FP) and Research Project (RP) (e.g. for 02 credits)

- a. Continuous assessment part (**40%, 20 marks out of 50**) of this course shall be done by the mentor of the student and shall be based on regularity, experimental work and performance of the student.
- b. Semester End Assessment (ESA) (**60% of the total marks, 30 marks out of 50**) of this course shall be done shall be done by a panel of examiners in two parts
 - i. based on the work report submitted by the student (**50% i.e. 30 marks**) and

ii. **Remaining 50%** (30 marks) shall be based on his presentation and viva-voce on the work carried out by the student. This assessment shall be done along with practical examinations of the respective courses / subjects.

E. Assessment of Co-Curricular courses (CCC):

- Assessment of the CCC course shall be done by the respective course coordinator as a part of CA and be based on the regularity, performance of a student and his participation in various activities as prescribed in the regulations prepared in this regard.
- The End Semester Assessment (ESA) of the CCC courses shall be done as per the regulations prepared in this regard and shall be done on the basis of the write-up, presentation by the student on the activities that he has carried out in a semester.
- Students shall have freedom to opt for more than one CCC courses. However, score of the best performing CC shall be considered for preparing his result.

F. Syllabi, Teaching and Examination Scheme for the courses in Column 7 and Column 8 (AEC, VEC, IKS, CI, EVS, CCCs, etc.) shall be common for all the students from different faculties.

Note: Number of lectures required to cover syllabus of a course depends on the number of credits assigned to a particular course. One credit of theory corresponds to 15 Hours lecturing and for practical course one credit corresponds to 30 Hours. For example, for a course of two credits 30 lectures of one hour duration are assigned, while that for a three credit course 45 lectures.

G. Letter Grades and Grade Points:

The **Semester Grade Point Average (SGPA)** is computed from the grades as a measure of the student's performance in a given semester. The SGPA is based on the grades of the current term, while the Cumulative GPA (CGPA) is based on the grades in all courses taken after joining the program of study. SRTMU shall also mention marks obtained by the student in each course and a weighted average of marks based on marks obtained in all the semesters taken together for the benefit of students.

Letter Grade	Grade Point	Range of Marks in %
O (Out Standing)	9.00 - 10.00	90.00 - 100
A+ (Excellent)	8.00 - 8.99	80.00 - 89.99
A (Very Good)	7.00 - 7.99	70.00 - 79.99
B+ (Good)	6.00 - 6.99	60.00 - 69.99
B (Above Average)	5.50 - 5.99	55.00 - 59.99
C (Average)	5.00 - 5.49	50.00 - 54.99
P (Pass)	4.00 - 4.99	40.00 - 49.99
F (Fail)	Below 4.00	Below 40.00
Ab (Absent)	Ab	--

Computation of SGPA and CGPA

SRTMU has adopted the following procedure to compute the **Semester Grade Point Average (SGPA)** and **Cumulative Grade Point Average (CGPA)** as recommended by the UGC:

i. Computation of SGPA:

The SGPA is the ratio of the sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e.

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

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

a. Example of computation of SGPA where the student has not failed in any subject:

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

b. Example of computation of SGPA where the student has failed in one subject:

Semester	Course	Credits Assigned	Letter Grade Scored	Grade Point	Credit point (Credit x Grade)
I	Course 1	3	A	8	3x8 = 24
I	Course 2	4	B+	7	4x7 = 28
I	Course 3	3	B	6	3x6 = 18
I	Course 4	3	O	10	3x10 = 30
I	Course 5	3	C	5	4x5 = 15
I	Course 6	4	F	0	4x0 = 0
		20			115
		SGPA			115/20 = 5.75

c. Example of computation of SGPA where the student has not failed in two subjects:

Semester	Course	Credits Assigned	Letter Grade Scored	Grade Point	Credit point (Credit x Grade)
I	Course 1	3	A	8	3x8 = 24
I	Course 2	4	B+	7	4x7 = 28
I	Course 3	3	B	0	3x0 = 0
I	Course 4	3	O	6	3x6 = 18
I	Course 5	3	C	5	4x5 = 15
I	Course 6	4	B	0	4x0 = 0
		20			85
		SGPA			85/20 = 4.25

ii. Cumulative Grade Point

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

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

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

Example for Computation of CGPA

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6
Credit: 22 SGPA: 6.9	Credit: 22 SGPA: 7.8	Credit: 22 SGPA: 5.6	Credit: 22 SGPA: 6.0	Credit: 22 SGPA: 6.3	Credit: 22 SGPA: 8.0
CGPA = 6.77 $(22 \times 6.9 + 22 \times 7.8 + 22 \times 5.6 + 22 \times 6.0 + 22 \times 6.3 + 22 \times 8.0) / 132 = 893.2 / 132$					

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

The CGPA shall also be calculated in similar way as shown in examples (i), (ii) and (iii) of SGPA for all subjects taken by the students in all the semesters. However, if any student fails more than once in the same subject, then while calculating CGPA, the credit and grade point related to the subject in which the student fails in multiple attempts will be restricted to one time only. The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

In case of **audit courses** offered, the students may be given (P) or (F) grade without any credits. This may be indicated in the mark sheet. Audit courses will not be considered towards the calculation of CGPA.

iii. Grade Card

S.R.T.M. University, Nanded shall issue a Grade card for the students, containing the marks and grades obtained by the student in the previous **Semester Grade Point Average (SGPA)** and **Cumulative Grade Point Average (CGPA)**.

The grade card shall list:

- a. *The title, semester and course code of the courses taken by the student*
- b. *The credits associated with the course*
- c. *The marks and grades secured by the student*
- d. *The total credits earned by the student in that semester. The SGPA of the student*
- f. *The total credits earned by the students till that semester*
- g. *The CPGA of the student*

iv. Result Declaration:

On successful completion of the program, students with a **CGPA of 9.00 and above** who passed all the courses **in first attempt** shall be awarded the degree in **First Class with Distinction**. University Rank in a program shall be awarded to the student who secures the highest CGPA in a batch and passed all the courses in first attempt. Students with **CGPA between 6.00 and 8.99** shall be placed in **First Class**, students with **CGPA between 5.00 and 5.99** shall be placed in **Second Class**, and students with **CGPA between 4.00 and 4.99** shall be placed in **Pass Class**.

v. Transcript (Format):

Based on the above recommendations on Letter Grades, Grade Points and SGPA and CCPA, S.R.T.M. University, Nanded shall issue the **transcript** for each semester and a **consolidated transcript** indicating the performance of a candidate in all the semesters.

%%%%%%%%%