# GUIDELINES FOR TREE PLANTATION AND CARE

in partial fulfilment for the requirement of degree in
Undergraduate Programs of University Teaching Departments
and Affiliated Colleges

(w.e.f. ACADEMIC SESSION 2024-25)
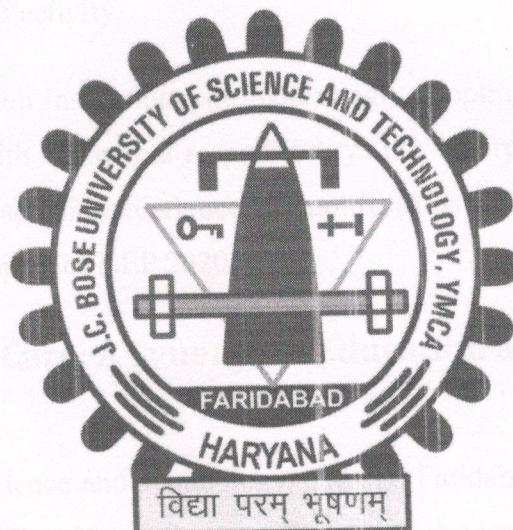
(In compliance with the approved Agenda Item No.AC/25/12 of 25th meeting of Academic
Council held on 27.09.2022 and Agenda item No.AC/30/06 of 30th meeting of Academic
Council held on 25.11.2024)

J.C. BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA, FARIDABAD-121006, HARYANA (INDIA)

2024

Chairperson
Dept. of Environmental Sciences
J.C. Bose University of Science &
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PREFACE

The National Education Policy (NEP) 2020 underscores the importance of integrating environmental education into curricula, fostering awareness, and sensitizing students towards conservation and sustainable development. It advocates for holistic and multidisciplinary education through flexible and innovative curricula in all Higher Education Institutions (HEIs). This includes credit-based courses and projects focused on community engagement, environmental education, and value-based learning.

Environmental sustainability is a critical global concern, and HEIs play a vital role in shaping future leaders and professionals equipped to address these challenges. Persistent environmental issues—such as pollution, deforestation, climate change, habitat and biodiversity loss, and resource depletion—have heightened global awareness. Among the 17 Sustainable Development Goals (SDGs), six are directly related to environmental protection and resource conservation. Tackling these challenges requires a collective effort to adopt sustainable practices and mitigate the adverse effects of human activity.

In response, higher education institutions are increasingly adopting innovative approaches that align academic learning with ecological responsibility. The incorporation of tree planting as a fundamental part of the academic experience exemplifies this shift towards holistic education, embodying the vision and spirit of NEP 2020.

Tree Plantation and Care: A Synergy of Education and Environmental Sustainability

J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana, has launched an innovative initiative titled **"Tree Plantation and Care,"** which combines the pursuit of knowledge with a commitment to environmental stewardship. This initiative holds the potential to transform both landscapes and mindsets. Key highlights include:

- Under this initiative, students are required to plant a sapling and nurture it as a prerequisite for receiving their degree.

- The program applies to all undergraduate students enrolled in the University Teaching Departments and affiliated colleges from the academic session 2024-25 onwards.

- As students' progress through their academic journey, they actively participate in tree planting and care, ensuring the survival of their saplings—thereby contributing to planetary health and ecological resilience.

- This approach goes beyond traditional education by fostering a deep sense of responsibility and empathy towards the environment among learners.

By integrating tree plantation and care into the degree requirements, the university effectively aligns itself with the National Education Policy (NEP) 2020's goal of developing well-rounded individuals who possess a comprehensive understanding of pressing global environmental issues. This initiative not only promotes ecological restoration and carbon sequestration but also nurtures a strong sense of community and environmental responsibility among students. Furthermore, it inspires higher education institutions to actively embody the NEP's vision, driving a transformative change that contributes to a lasting legacy of a greener and more sustainable future.

GUIDELINES FOR TREE PLANTATION AND CARE

Instructions for Students:

1. **Submission of Undertaking Form:** Each newly admitted student in undergraduate program of the University is required to fill the Undertaking Form for Tree Plantation and Care activity and submit to the respective department.

2. **Tree Plantation:** Each admitted student in undergraduate program is required to plant at least 3-5 tree saplings during his/her first or second semester. The selected location for the plantation may be any place of their choice at/near their home places (e.g., parks, grounds, etc.). The student must capture geo-tagged photographs of the planted saplings and ensure to take proper care of their growth. Please note that the student should also be there in the geotagged photo alongwith the plant.

   Out of planted saplings, one sapling must be dedicated and name-tagged in the name of student's mother in alignment with the initiative 'Ek Ped Maa ke Naam' of Govt. of India.

3. **Submission of Documents:** Student are required to upload geo-tagged photographs of the planted saplings to university's ERP platform, following the prescribed format, namely, Plantation document. The plantation document contains details such as the name of the plant, date of plantation, and any additional relevant information pertaining to the activity.

4. **Ongoing Care and Monitoring:** Following plantation, each student is responsible for the care and maintenance of their saplings throughout their academic program. Students must submit updated geo-tagged photographs as part of the plantation document during their 2nd and 3rd years as well.

   - The plantation document, including geo-tagged photos, must be submitted once every academic year.

- The document should be submitted (N-1) times, where N represents the total duration of the student's program. For example, a student enrolled in a 4-year B.Tech. program is required to submit the plantation document annually for three consecutive years—up to the pre-final year—demonstrating the growth and survival of the planted saplings.

5. **Tree Survival:** To be eligible for their degree, students must ensure the successful survival of at least one tree from the 3 to 5 saplings initially planted.

6. **Verification of Documents:** The respective teacher coordinator will verify the submitted documents each academic year during the Practical Examinations, scheduled according to the notified academic calendar.

7. **Certificate of Achievement:** Upon successful verification, eligible students will receive an auto-generated certificate, which can be downloaded from the university ERP platform. These students will thereby fulfil the requirement for degree conferral within their respective programs.

Note: The students admitted through LEET will take part in the initiative after their admission in 2nd year of respective program and the requirement of submission of geotagged photographs will be (N-2) times for them as per point 3.

Guidelines for the Respective Departments:

1. **Appointment of Teacher Coordinator for plantation activity:**
   Each department shall appoint a **dedicated teacher coordinator** for every newly admitted batch of students. The coordinator's role involves overseeing and managing the verification process of geo-tagged photographs submitted by students over a period of (N–1) years, where N represents the total duration of the respective undergraduate program. The coordinator will ensure consistent monitoring and documentation throughout the designated period.

2. **Evaluation Schedule and Verification Process:**
   The respective departments shall notify the schedule for the submission of geo-tagged photographs of the planted saplings by students, which will be aligned with the practical examination date-sheet of the applicable semester for verification purpose. The designated

teacher coordinator shall ensure and verify the submission of geo-tagged photographs by students through ERP platform in each successive academic year. All submitted geo-tagged photographs will be subject to final approval through ERP portal of respective chairperson.

3. Credit Allocation and Assessment:

The activity **"Tree Plantation and Care"** has been assigned subject code **ESU-101-V** and carries a credit allocation of **01 credit**, with a total of **25 internal marks**. The credit allocated to this activity is over and above from the requisite credits of the respective programs.

The allocation of marks for this activity shall be conducted by the designated coordinators during the **6th Semester for non-B.Tech. UG programs** and the **7th Semester for B.Tech. programs** in UTDs and affiliated colleges. In accordance with the provisions of NEP-2020, if a student chooses to exit the program prior to reaching the designated semester, the Chairperson of the respective department shall be authorized to decide an appropriate semester for conducting the mark allocation for this activity.

The assessment criteria for allocation of internal marks (25) is given as below:

S. No.	Assessment Criteria	Maximum Marks
1.	Verification of Undertaking Form and geo-tagged photos (3-5 Tree Saplings) uploaded on ERP Portal by student (1st Year)	5
2.	Verification of one sapling name-tagged in the name of student's mother based on details submitted in Plantation document	5
3.	Annual assessment of geo-tagged photos submitted by student (2nd & 3rd Year or as applicable)	5
4.	Verification of timely submission of geo-tagged photos by student in all applicable semesters	5
5.	Tree Survival and Maintenance verification during the final assessment	5

Departments are advised to ensure accurate record-keeping, timely evaluations, and encourage consistent participation and care by the students throughout the duration of the program.

4. Certificate Generation and Degree Eligibility:

Upon final approval of the geo-tagged submissions through the Chairperson's ERP portal in the final year, certificates for eligible students will be auto-generated and made available for download through the students' respective ERP accounts. This certificate will serve as proof of compliance with the mandatory Tree Plantation and Care activity, thereby fulfilling the requirement for degree eligibility under their respective undergraduate programs.

Additionally, the final list of approved students along with their certificates will be automatically forwarded to the Controller of Examinations through the ERP system via the respective Chairperson's portal for official records and degree processing.

5. Provisions by the Department in special cases

In cases where a student is unable to ensure the survival of the planted sapling due to natural calamities or circumstances beyond their control, the matter shall be brought to the notice of the concerned department. A three-member committee, proposed by the Chairperson and duly approved by the competent authority, shall be authorized to review such cases and take appropriate remedial action as deemed necessary.

If required, the Chairperson may also direct a physical verification of the saplings planted by the student at any stage during the course of the program to ensure authenticity and compliance.

6. Guidelines for University Affiliated Colleges

The above-mentioned guidelines shall be equally applicable to all University Affiliated Colleges. In these colleges, students may submit the duly filled hard copy of the plantation documents to their respective teacher coordinators, who shall be appointed by the Head of the Department or Principal of the college. Upon satisfactory verification of the submitted documents, the teacher coordinator shall be responsible for uploading the verified plantation documents to the ERP portal to ensure proper record-keeping and compliance.

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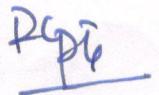
Undertaking

I...son/daughter of
...., a student of
.... (Program Name), Roll
Number .... at ....
.... (University/Institution Name) hereby declare that I
am fully aware of the Tree Plantation and Care Policy mandated by the University/Institution as a
requirement for eligibility to obtain my degree.

As per the policy:

1. I understand that it is my responsibility to plant at least 3-5 tree saplings during my first or
   second semester of UG Program.
2. I am required to ensure proper care and survival of the planted saplings throughout my
   academic tenure in the University/Institution.
3. I will avoid planting flowering plants or shrubs in pots under this policy. Instead, I will
   plant the tree saplings (e.g. Neem, Mango, Jamun, Amla, etc.) in suitable grounds.
4. I will submit my original geo-tagged photographs of the planted saplings as evidence of
   compliance as per the policy/ guidelines issued by this University/ Institution.
5. I acknowledge that the fulfilment of this requirement is mandatory for eligibility to obtain
   my degree upon course completion.

I undertake to abide by the above-mentioned policy in full sincerity and commitment. I understand
that failure to comply with this requirement may result in consequences as per Institute/ University
regulations.

Date:

Place:

Signature:

(Student's Name)
(Contact Details)

For Office Use Only
Verified by (Faculty Coordinator/ Chairperson):

(Signature with seal):

Name and Designation:
Date:

Plantation Document

Name of the student   : _____

Roll No.   : _____

Programme and Semester   : _____

Department   : _____

Submission of Geo-tagged Photos : 1st Year ☐   2nd Year ☐   3rd Year ☐

	Undertaking: It is certified that the information provided is true to the best of my knowledge and belief and I would be solely responsible if the information is found to be incorrect. *(Signature of the student)*

Sr. No.: TPC/2023-27/1001

<u>Certificate of Achievement</u>

This certificate is awarded to <u>**Name of student, Roll No.**</u>   , <u>**S/D/o Father's Name**</u> for successfully completing the '**Tree plantation and Care**' initiative for the fulfilment of partial requirement of the degree in <u>**Undergraduate Program**</u>.

Your contribution will go a long way in helping conserve nature for the safer, resilient and sustainable world.

(This is a computer-generated certificate and does not need any signature.)