

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 2023-24)



(In compliance with the approved Agenda Item No.AC/25/12 of 25th Academic Council meeting held on 27.09.2022)

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

2023

PREFACE

The National Education Policy (NEP) 2020 emphasizes the importance of making environmental education an integral part of curricula and encouraging environmental awareness and sensitization towards its conservation and sustainable development. NEP also advocates the attainment of holistic and multidisciplinary education, through flexible and innovative curricula for all Higher Education Institutions (HEIs) which shall include credit-based courses and projects in the areas of community engagement and service, environmental education, and value-based education.

Environmental sustainability is a critical global concern and HEIs play a crucial role in shaping the future leaders and professionals who will address these challenges. The continuing problems related to environmental issues, including pollution, loss of forests, climate change, habitat loss, loss of biodiversity and resource depletion have made everyone aware of environmental issues. Out of the 17 Sustainable Development Goals (SDGs), six goals are directly linked to environmental protection and resource conservation. Addressing these issues requires a concerted effort to shift towards more sustainable practices and mitigate the detrimental effects of human activities. Institutes of higher education are embracing innovative approaches that align education with ecological responsibility. The integration of tree planting as an essential facet of the academic journey signifies a profound shift towards holistic education, reflecting the spirit of the 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 started the novel initiative “**Tree plantation and Care**”, which binds the pursuit of knowledge with the commitment to environmental well-being, holds the potential to shape not only landscapes but also minds. The key points are as follows:

- Under this initiative, it is made mandatory for the students to plant a sapling and its care in order to receive their degree.
- The initiative is applicable to students of undergraduate programs of the University Teaching Departments and affiliated colleges admitted in academic session 2023-24 and onwards.

- As students embark on their academic journey, they concurrently engage themselves in plantation activity and care of saplings to ensure survival which in turn will contribute to our planet's health and resilience.
- The concept transcends conventional education by inculcating in learners a profound sense of responsibility and empathy towards nature.

By making tree plantation and care an intrinsic part of degree completion, university align with the NEP 2020 policy's aspiration to produce well-rounded individuals equipped with a holistic understanding of the environmental challenges and issues at global level. The initiative will further unfold benefits ranging from ecological restoration and carbon sequestration to foster a sense of community and environmental stewardship among students. Additionally, such initiatives will motivate the higher education institute in taking steps towards seamlessly merging of the National Educational Policy's vision along with catalysing a transformation in the higher education landscape for tangible legacy of a greener world.



GUIDELINES FOR TREE PLANTATION AND CARE

Instructions for Students:

- 1. Tree Plantation:** Each admitted student for undergraduate program of the University is required to plant at least 2-5 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.
- 2. Submission of Documents:** The student has to submit geo-tagged photographs of the planted saplings on university ERP platform in the given format, namely, plantation document including other details, viz., name of plant, date of plantation, and any additional information regarding the plantation.
- 3. Ongoing Care and Monitoring:** After plantation, every student will take care for these plants and submit their updated geo-tagged photos in plantation document for 2nd and 3rd year also.
 - Each student will have to submit the plantation document once in every year of the program.
 - The plantation document including geo-tagged photos will be submitted for (N-1) times, where N is the total duration of the program in which student is admitted. For example, a student of 4 years B.Tech./B.Sc. program has to submit the plantation document for three consecutive years, i.e., till pre-final year indicating the growth and survival of the tree sapling planted by them.

4. **Tree Survival:** The student must ensure the successful survival of at least one tree out of 2-5 initially planted trees for being eligible for their degree.
5. **Verification of Documents:** The verification of submitted documents will be done by the respective teacher coordinator at each successive year during Practical Examinations towards the end of the semester as per the notified academic calendar for the session.
6. **Certificate of Achievement:** The certificate for eligible student will be auto-generated, which may be downloaded from their respective ERP platform after due verification. 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:

The respective departments of the students shall appoint a dedicated teacher coordinator for each batch of students after admission. The coordinator's role involves overseeing the verification process of geo-tagged photographs over a prescribed period of (N-1) years, where N is the total duration of the program in which student is admitted.

2. Verification Process:

The designated teacher coordinator shall ensure and verify the submission of geo-tagged photographs through the students' ERP platform at each successive year during practical examinations towards the end of the semester as per the notified academic calendar for the session. These photographs will undergo final approval via the respective chairperson's ERP platform. The department may also notify the dates of verification for plantation document, if required.

3. Certificate Generation and Degree Eligibility:

Upon the final approval from Chairperson's ERP in the final year, certificates for eligible students will be auto-generated, which may be downloaded by the students from their respective ERP. These students will thereby fulfil the requirement for degree conferral within their respective programs and can download the certificate of achievement.

The final approved certificates/list of eligible students will also be received directly by Controller of Examination through respective Chairperson's ERP.

4. Provisions by the Department in special cases

In case, a student is not able to ensure the survival of the sapling planted either due to natural calamities or circumstances beyond the control, such situation will be brought into the notice of the concerned department. A 3-member committee proposed by the chairperson of the concerned department and duly approved by the competent authority is authorized to take appropriate remedial action for such cases. If required, the chairperson of the concerned department may ask for the physical verification of the plants grown by the student at any time.

5. Guidelines for University Affiliated Colleges

The above-mentioned guidelines for the University will also be applicable to University Affiliated Colleges. For the University affiliated colleges, the students can submit duly filled hard copy of the plantation documents to their respective teacher coordinators assigned by Head of the Department/Principal of the college. The teacher coordinator will arrange to upload the plantation document on ERP portal after satisfactory verification of the plantation document.



जे. सी. बोस विज्ञान एवं प्रौद्योगिकी विश्वविद्यालय, वाए एम सी ए, फरीदाबाद
J.C. BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA
SECTOR -6, FARIDABAD, HARYANA
(Established vide Haryana State Legislative Act No. 21 of 2009)
'A+' GRADE NAAC Accredited

Plantation Document

Name of the student : _____
Roll No. : _____
Programme and Semester : _____
Department : _____
Submission of Geo-tagged Photos : 1st Year 2nd Year 3rd Year

	<p>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.</p>

(Signature of the student)



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

Certificate of Achievement

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

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.)