SDG 13: Life Below Water

Annual Report 2024-25

1. Introduction

Annamacharya University, Rajampet, recognises environmental protection, ecological balance and sustainable development as important responsibilities of higher education institutions. Through student engagement, environmental awareness, campus-based initiatives and community outreach, the University contributes to building environmental responsibility and climate-conscious behaviour.

This report consolidates publicly documented activities relevant to Sustainable Development Goal 13 (SDG 13: Climate Action) undertaken during Academic Year 2024-25. It presents the institution's climate-related engagement through tree plantation, river conservation and cleanliness initiatives, supported by official University webpages, event records and institutional publications.

Reporting period: Academic Year 2024-25. The report is based on official institutional records and publicly accessible material. Where the published evidence does not provide quantitative data, this report does not estimate or invent figures.

2. Institutional Context and Commitment

Annamacharya University was established in 2024 under the Andhra Pradesh Private Universities (Establishment and Regulation) Act, 2016. The University's stated institutional vision includes serving the evolving needs of industry and society, developing world-class infrastructure, nurturing research and innovation, and undertaking outreach activities. The University operates from a campus of more than 100 acres, providing an institutional setting in which environmental stewardship and responsible campus practices can be promoted.

The University's academic framework includes Environmental Science as a mandatory course for engineering branches. The published course objectives include environmental awareness, sustainable practices aligned with the Sustainable Development Goals, ecosystems and biodiversity, pollution, climate change, global warming, rainwater harvesting, environmental legislation and field-based study of environmental assets. This provides a curricular foundation for climate literacy and environmental responsibility.

3. List of Activities During 2024-25

Activity	Date	Contribution to SDG 13
Tree Plantation by NCC Girls	7 August 2024	Campus greening, tree cover, ecological awareness and student participation in environmental conservation.
World Rivers Day - Cheyyeru River Clean-up	24 September 2024	Riverbank clean-up, protection of water resources and awareness of ecosystem conservation.
Swachh Bharat Mission - Thallapaka Village Cleanliness Drive	2 October 2024	Community environmental action, removal of waste and promotion of cleaner public spaces.

4. Featured Activity Report: Tree Plantation by Annamacharya University NCC Girls

Activity title: Plantation by Annamacharya University NCC Girls

Date: 7 August 2024

Organising unit: National Cadet Corps (NCC), Rajampet

Venue: Annamacharya University campus, Rajampet

Theme: "Vriksho Rakshati Rakshitah" - The tree protects those who protect it

4.1 Background and objectives

The NCC Unit of Annamacharya University organised a tree-planting programme to encourage environmental conservation and strengthen awareness of the role of trees in maintaining ecological balance. The initiative was conducted under the motto "Vriksho Rakshati Rakshitah", communicating the reciprocal relationship between human well-being and the protection of nature.

4.2 Participation and conduct of the activity

The programme was attended by Dr. S. M. V. Narayana, Principal of Annamacharya University, as Chief Guest. Other institutional representatives named in the official report included G. Ramesh Kumar Reddy, Principal of Sri Gangireddy Degree College; Dr. B. Nagamuni, Physical Director of Annamacharya University; NCC Caretaker Officer N. Deepthi; and Assistant Physical Director S. Saifulla. NCC students and faculty participated in planting saplings across the campus.

4.3 Climate action relevance

Tree plantation is a practical nature-based response that can contribute to local climate resilience when saplings are appropriately selected, planted and maintained. Trees can provide shade, support local biodiversity, help protect soil and contribute to carbon sequestration over their growth cycle. The University's reported programme also served an educational purpose by involving students directly in environmental stewardship.

4.4 Outcomes and institutional significance

- Students and faculty participated directly in a campus-based environmental conservation activity.
- The initiative promoted awareness of the ecological value of trees and the importance of protecting green cover.
- The activity connected student service and institutional outreach with environmental responsibility.
- The event provided a practical setting for students to translate environmental awareness into action.

The official event report confirms that saplings were planted across the campus but does not state the total number of saplings or survival rate. Such figures should be added only if supported by the University's plantation register or maintenance records.

4.5 Photographic evidence

The following photographs are published by the University/institutional website as evidence of the plantation activity. Open the links to view the original photographs. The document includes clickable photo links and captions; the original image files should be downloaded from the source page and embedded in the final University-hosted PDF if a self-contained illustrated version is required.



Photograph 1 - NCC cadets planting a sapling as part of the campus plantation programme

Official event report and additional photographs - Plantation by Annamacharya University NCC Girls: View official photograph / event evidence

5. Additional Activity: World Rivers Day - Cheyyeru River Clean-up

Date: 24 September 2024 | Location: Cheyyeru River near Nanduluru | Organising unit: NCC, Annamacharya University.

On the occasion of World Rivers Day, NCC students of Annamacharya University participated in a river clean-up drive at the Cheyyeru River near Nanduluru. The institutional report states that students worked to remove waste and pollutants from the riverbank and raise awareness about preserving water bodies and maintaining a clean local environment.

The activity is relevant to SDG 13 because healthy river ecosystems and responsible management of natural resources strengthen environmental resilience. It also contributes to wider environmental sustainability by encouraging community participation in protecting local ecosystems.



Official evidence: World Rivers Day - event report

Additional published evidence: University newsletter, July-October 2024

6. Additional Activity: Swachh Bharat Mission - Thallapaka Village

Date: 2 October 2024 | Location: Thallapaka village | Organising unit: NCC, Annamacharya University.

The University's NCC unit participated in a rally and cleanliness drive under the Swachh Bharat Mission. The rally proceeded from the University to Thallapaka village, where NCC cadets undertook cleaning of the temple premises. The activity was led by NCC Coordinator Dr. B. Nagamuni, NCC Caretaker Officer N. Deepthi and Physical Education Director Saifulla.

The initiative promoted community-level environmental responsibility, public cleanliness and collective action. Although cleanliness drives are not, by themselves, a direct measure of greenhouse-gas reduction, they support environmental awareness and responsible community stewardship.

Official event report: NCC Cadets Participate in Swachh Bharat Mission



Photograph 2 - NCC cadets participating in the Swachhata Hi Seva drive



Photograph 3 - Rally and awareness banner

7. Curriculum-Based Climate and Environmental Awareness

The University's published Environmental Science course documentation identifies learning objectives that include environmental awareness, sustainable practices, ecosystems and biodiversity, pollution prevention, climate change, global warming, rainwater harvesting and environmental legislation. The course also includes fieldwork intended to help students document environmental assets in a local area.

This curricular component complements the practical activities reported above by helping students understand the scientific and social dimensions of climate change and environmental protection. It provides a structured academic route through which climate-related concepts can be introduced to students across engineering disciplines.

ANNAMACHARYA UNIVERSITY

EXCELLENCE IN EDUCATION; SERVICE TO SOCIETY

(ESTD, UNDER AP PRIVATE UNIVERSITIES (ESTABLISHMENT AND REGULATION) ACT, 2016)

Rajampet, Annamayya District, A.P – 516126, INDIA

Annexure-I

ANNAMACHARYA UNIVERSITY

Course Structure for R24 Regulations

Department of Civil Engineering

Semester III (Second year)

Sl. No.	Category	Course Code	Course Title	Hours per week L	T	P	Credits C
			Theory Courses				
1	HSMC	24AMBA31T	Managerial Economics and Financial Analysis	3	0	0	3
2	HSMC	24AUHV31T	Universal Human Values-II	3	0	0	3
3	PCC	24ACIV31T	Strength of Materials	3	0	0	3
4	PCC	24ACIV32T	Surveying and Geomatics	3	0	0.	3
5	PCC	24ACIV33T	Fluid Mechanics, Hydraulics and Hydraulic Machinery	3	0	0	3
			Laboratory Courses				
6	PCC	24ACIV31L	Strength of Materials Laboratory	0	0	3	1.5
7	PCC	24ACIV32L	Surveying and Geomatics Laboratory	0	0	3	1.5
8	PCC	24ACIV33L	Fluid Mechanics Laboratory	0	0	3	1.5
9	SC	24ACIV34L	Building Planning and Drawing	1	0	2	2
			Total credits				21.5

Category	Credits
Basic Science course	-
Professional core Courses	13.5
Humanities Sciences	6
Skill oriented Course	2
Mandatory Course	--
Total Credits	**21.5**

Semester IV (Second year)

Sl.No	Category	Course Code	Course Title	Hours per week L	T	P	Credits C
			Theory Courses				
1	BSC	24AMAT41T	Probability and Statistics	3	1	0	3
2	ESC	24ACIV41T	Building Materials and Construction	3	0	0	3
3	PCC	24ACIV42T	Concrete Technology	3	0	0	3
4	PCC	24ACIV43T	Engineering Geology	3	0	0	3
5	PCC	24ACIV44T	Structural Analysis	3	0	0	3
			Laboratory Courses				
6	PCC	24ACIV42L	Concrete Technology Laboratory	0	0	3	1.5
7	PCC	24ACIV43L	Engineering Geology Laboratory	0	0	3	1.5
8	PCC	24ACIV45L	Hydraulics and Hydraulic Machinery Laboratory	0	0	3	1.5
9	SC	24ACSE45L	[illegible]	1	0	2	2
10	MC	24AENS41T	Environmental Science	3	0	0	0
			[illegible]				21.5

Internship 2 Months (Mandatory) during summer vacation

Category	Credits
Basic Science Courses	3
Professional core Courses	13.5
Engineering Science Courses	3
Humanities Sciences	-
Skill oriented course	2
Mandatory Course	--
Total Credits	**21.5**

1.	2.	3.	4.	5. Attended online
6. Attended online	7. Attended online	8. Attended online	9. Attended online	

Official curriculum evidence: Environmental Science - course documentation / Board of Studies record

8. Summary of Institutional Contribution

Area	Documented contribution
Campus greening	NCC-led tree plantation programme conducted on 7 August 2024.
Ecosystem and river protection	World Rivers Day clean-up drive at the Cheyyeru River near Nanduluru on 24 September 2024.
Community environmental action	Swachh Bharat Mission rally and cleanliness drive at Thallapaka village on 2 October 2024.
Climate literacy	Environmental Science curriculum includes climate change, global warming, ecosystems, biodiversity, sustainable practices and fieldwork.

9. Conclusion

During Academic Year 2024-25, Annamacharya University documented a range of student-centred environmental initiatives that supported climate awareness and ecological responsibility. The NCC-led plantation programme, river clean-up drive on World Rivers Day and community cleanliness activity under the Swachh Bharat Mission demonstrate practical engagement with environmental protection. The Environmental Science curriculum further provides academic grounding in climate change, biodiversity, pollution and sustainable practices.