

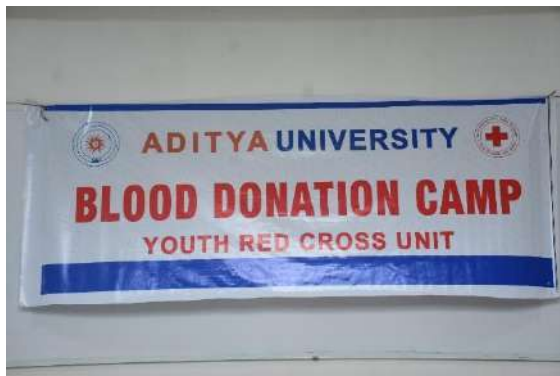


Collaborations with NGOs

Aditya University actively collaborates with various NGOs through its Leo Club and Youth Red Cross Unit, among others. Students enthusiastically participate in numerous community outreach and development programs organized by these units. Through these collaborations, they contribute significantly towards addressing key Sustainable Development Goals (SDGs) such as eradicating poverty and hunger, promoting good health and well-being, and fostering social responsibility. These partnerships not only strengthen the university's engagement with society but also nurture a strong sense of compassion, leadership, and civic duty among students.

The university students, and staff through the youth Red Cross unit and other clubs, actively engage in blood donation camps, which are held four to five times every year. Several blood banks from the local community, as well as the Government General Hospital, Kakinada, will participate in the blood collection process.

In addition, the university maintains a comprehensive database of student volunteers who are willing to donate blood. This initiative greatly supports both government and private hospital authorities by facilitating timely assistance during medical emergencies, thereby strengthening the university's contribution to community health and welfare.





ADITYA UNIVERSITY



Blood donation camp organised by the Youth Red Cross unit



Education around the Sustainable Development Goals (SDGs)

Aditya University is deeply committed to providing meaningful education around the Sustainable Development Goals (SDGs) across all disciplines and programs. The principles of sustainability and social responsibility are integrated into the curriculum as a mandatory component for all students, ensuring that every learner gains awareness and practical understanding of global challenges and their local relevance.

One of the key program outcomes across our academic offerings is directly aligned with sustainability and responsible citizenship. All student projects, faculty research studies, and community outreach initiatives are systematically mapped to specific SDGs to promote real-world impact and measurable contribution toward sustainable development.

Furthermore, the University actively empowers its faculty through expert talks, capacity-building programs, and workshops on SDGs, enabling them to gain deeper insights into sustainability-oriented teaching and research. This knowledge is effectively transferred to students through innovative pedagogies, experiential learning, and interdisciplinary projects—ensuring that the SDG principles are not only taught but also lived within the campus and the community.

The following are the Program educational objectives, Program outcomes and courses related to sustainable development goals:

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

Graduates of the Program will

PEO 1	Apply technical knowledge to excel in the industry and higher education
PEO 2	Analyze, design and build safe, sustainable and economical structures
PEO 3	Exhibit good leadership qualities in a multidisciplinary environment to meet societal needs



PROGRAM OUTCOMES (POs)

After successful completion of the program, the graduates will be able to

PO 1	Engineering Knowledge: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
PO 2	Problem Analysis: Identify, formulate, research literature and analyze complex engineering problems, reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
PO 3	Design/Development of Solutions: Design solutions for complex engineering problems and design systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
PO 4	Conduct Investigations of Complex Problems: Conduct investigations of complex problems using research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions.
PO 5	Modern Tool Usage: Create, select and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modelling, to complex engineering activities, with an understanding of the limitations.
PO 6	The Engineer and Society: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
PO 7	Environment and Sustainability: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of, and need for sustainable development.
PO 8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
PO 9	Individual and Teamwork: Function effectively as an individual, and as a member or leader in diverse teams and in multidisciplinary settings.
PO 10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO 11	Project Management and Finance: Demonstrate knowledge and understanding of engineering management principles and apply these to one's own work, as a member and leader in a team and to manage projects in multidisciplinary environments.
PO 12	Life-Long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



PROGRAM STRUCTURE

I Semester

S. No.	Course Code	Course Title	Course Component	L	T	P	Credits
1	231HS1L02	Health and wellness, Yoga and sports	HSMC	0	0	1	0.5
2	231MC1T01	Environmental Science	MC	2	0	0	0

II Semester

S.No.	Course Code	Course Title	Course Component	L	T	P	Credits
1	231HS2L03	NSS/NCC/Scouts & Guides/Community Service	HSMC	0	0	1	0.5
2	231MC2T01	Constitution of India	MC	2	0	0	0

III Semester

S. No.	Course Code	Course Title	Course Component	L	T	P	Credits
1	231MC3T04	Universal Human Values	MC	2	1	0	0
2	231CE3P01	Community Service Project	PROJ	0	0	4	0

IV Semester

S. No.	Course Code	Course Title	Course Component	L	T	P	Credits
1	231MC4T01	Essence of Indian Traditional Knowledge	MC	2	0	0	0



Academic programs focused on sustainability and the SDGs.

Aditya University have dedicated courses (full degrees, or electives) that address sustainability and the SDGs

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PEO 3	Exhibit good leadership qualities in a multidisciplinary environment to meet societal needs



PROGRAM OUTCOMES (POs)

After successful completion of the program, the graduates will be able to

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PO 3	Design/Development of Solutions: Design solutions for complex engineering problems and design systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
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PO 7	Environment and Sustainability: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of, and need for sustainable development.
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PROGRAM STRUCTURE

I Semester

S. No.	Course Code	Course Title	Course Component	L	T	P	Credits
1	231HS1L02	Health and wellness, Yoga and sports	HSMC	0	0	1	0.5
2	231MC1T01	Environmental Science	MC	2	0	0	0

V Semester

S.No.	Course Code	Course Title	Course Component	L	T	P	Credits
1	231HS2L03	NSS/NCC/Scouts & Guides/Community Service	HSMC	0	0	1	0.5
2	231MC2T01	Constitution of India	MC	2	0	0	0

VI Semester

S. No.	Course Code	Course Title	Course Component	L	T	P	Credits
1	231MC3T04	Universal Human Values	MC	2	1	0	0
2	231CE3P01	Community Service Project	PROJ	0	0	4	0

VII Semester

S. No.	Course Code	Course Title	Course Component	L	T	P	Credits
1	231MC4T01	Essence of Indian Traditional Knowledge	MC	2	0	0	0



Outreach educational activities for the wider community.

Aditya University have dedicated outreach educational activities for the wider community.

Aditya University is deeply committed to extending the benefits of education beyond its enrolled students. Through its dedicated initiative, the Aditya Learning Academy (ALA), the university offers a variety of skill enhancement and knowledge development courses designed for students, alumni, local residents, and other interested individuals. These programs are delivered through modern ICT-enabled learning platforms, ensuring accessibility and flexibility for diverse learners.

The primary objective of ALA is to promote lifelong learning, enhance employability, and empower the wider community with contemporary skills relevant to today's dynamic job market. By opening its educational resources to the public, Aditya University reinforces its mission of inclusive education and community development, contributing directly to the advancement of the UN Sustainable Development Goals (SDGs) related to quality education and reduced inequalities.



Fig. 1: University web page showing completed certification courses for the general public

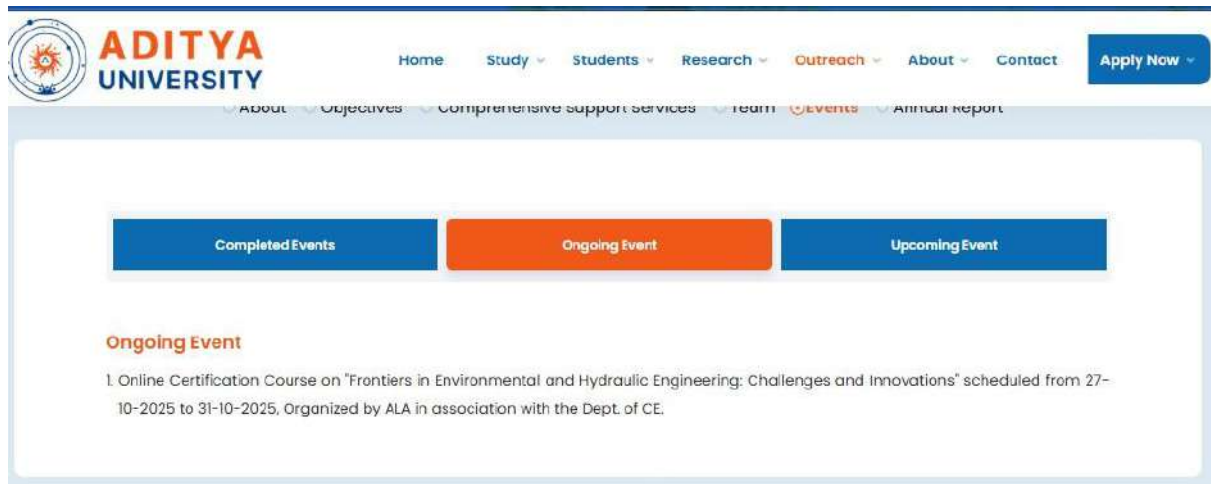


Fig. 2: University web page showing an ongoing course for the general public

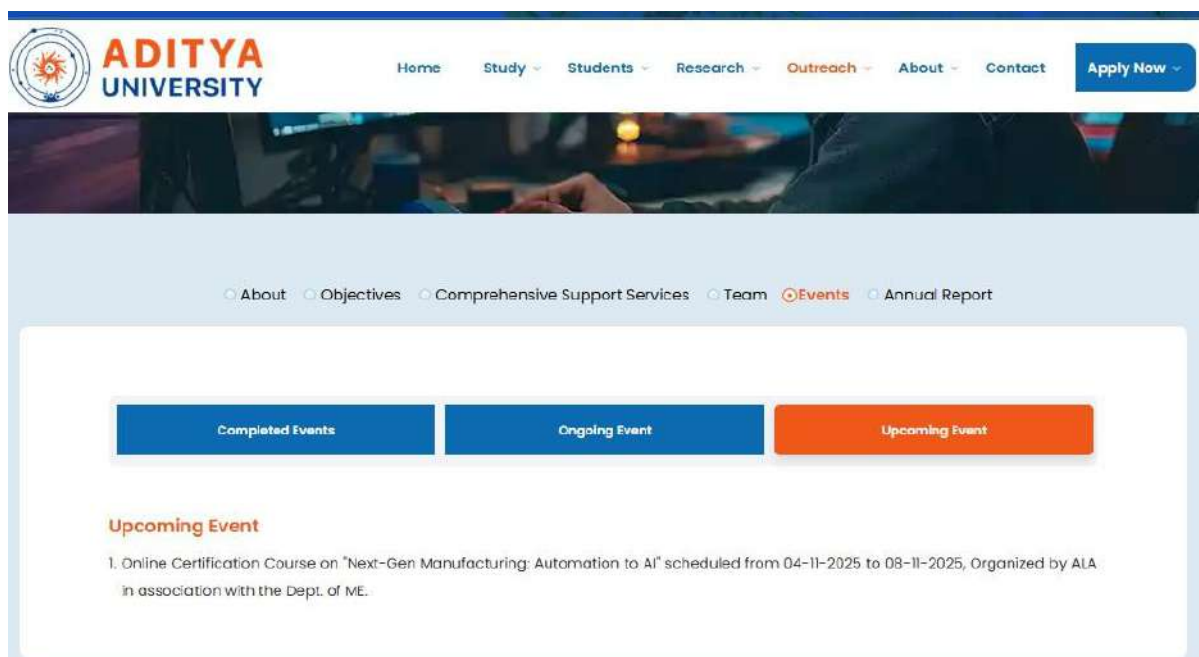


Fig. 3: University web page showing the upcoming courses for the general public



Sustainability Literacy

Aditya University measures the sustainability literacy rate of students.

Aditya University continuously measures the sustainability literacy rate of students through the integration of Sustainable Development Goals (SDGs) into its academic curriculum, student projects, and community service initiatives. The university has integrated SDG-related subjects across various programs to ensure that all students gain a comprehensive understanding of sustainability principles and their practical applications.

Additionally, student projects and community engagement activities are designed to promote awareness and a practical understanding of environmental, social, and economic sustainability. Through these initiatives, Aditya University regularly assesses students' sustainability literacy and their ability to apply sustainable practices in academic and social contexts.

The university also extends this evaluation to faculty members by monitoring sustainability development-focused research, thereby ensuring continuous improvement in sustainability knowledge and literacy across the institution. Additionally, Aditya University conducts sensitisation programs for faculty members on the Sustainable Development Goals (SDGs) to ensure that all faculty members are well-informed and aware of the various SDGs.

PROGRAM STRUCTURE

I Semester

S. No.	Course Code	Course Title	Course Component	L	T	P	Credits
1	231HS1L02	Health and wellness, Yoga and sports	HSMC	0	0	1	0.5
2	231MC1T01	Environmental Science	MC	2	0	0	0

VIII Semester

S.No.	Course Code	Course Title	Course Component	L	T	P	Credits
1	231HS2L03	NSS/NCC/Scouts & Guides/Community Service	HSMC	0	0	1	0.5
2	231MC2T01	Constitution of India	MC	2	0	0	0

IX Semester

S. No.	Course Code	Course Title	Course Component	L	T	P	Credits
1	231MC3T04	Universal Human Values	MC	2	1	0	0
2	231CE3P01	Community Service Project	PROJ	0	0	4	0



X Semester

S. No.	Course Code	Course Title	Course Component	L	T	P	Credits
1	231MC4T01	Essence of Indian Traditional Knowledge	MC	2	0	0	0

Community Service Projects (CSP)

The following table shows the community service projects undertaken by our students during the year 2024:

S. No.	Roll No	Name of the Student	Title of the CSP	Relevant SDG
A1	23A91A0105	B.Nithin Abhisai	Awareness on Building Material	11
	23A91A0102	A.Ajay Babu		
	23A91A0111	Ch.Karthick		
	23A91A0151	T.Radha Syam		
A2	23A91A0110	Ch.Samhitha	Water treatment	6
	23A91A0109	Ch.Amurutha		
	23A91A0121	L.Priyanka		
	23A91A0118	G.Rama Chandra		
A3	23A91A0132	Mercy Ruthendo Muchena	Safety at Construction Site	8
	23A91A0136	Tariro Hazel Nemhara		
	23A91A0140	Parience Manyonga		
A4	23A91A0106	B.Chandrasekhar	Water Supply Challenges in Rural and Urban Areas	6
	23A91A0115	G.Balaji		
	23A91A0103	A.Chaitanya		
	23A91A0131	M.Pavan		
A5	23A91A0116	G.Akash	Rain Water Harvesting	6
	23A91A0112	D.Venkatesh		
	23A91A0101	A.Praveen		
	23A91A0144	R.Kasi		
A6	23A91A0154	V.Amarnadh		9



	23A91A0158	Y.Akhil	Significance of Architecture and Infrastructure in Construction	
	23A91A0152	T.Siva		
	23A91A0126	M.Anjayya		
A7	23A91A0113	E.Madhavi	Recycling and Environmental Awareness Campaign	12
	23A91A0119	J.Sai Varalakshmi		
	23A91A0153	T.Sailakshmi		
	23A91A0150	T.Swarna Pushpa		
A8	24A95A0114	P.Akhila	Rain Water Harvesting	6
	24A95A0107	G.Sisrisha		
	24A95A0117	Y.Yagana		
	24A95A0105	D.Sisricha		
A9	23A91A0107	B.Vinay Raja	Construction Materials Near Water Bodies	11
	23A91A0137	N.Maneesha		
	23A91A0124	K.Mohana		
	23A91A0133	M.Gayatgri		
A10	23A91A0120	K.Keerthana Jothi	Survey of Construction Materials Related to Transportation	9
	23A91A0138	P.Manikya Sudha		
	23A91A0139	P.Hema Sreeja		
A11	24A95A0101	A.Harshitha Lakshmi Sai	Awareness on Irrigation Techniques	2
	24A95A0112	N.Harika Naveena		
	24A95A0115	T.Hema Teja		
	24A95A0116	V.Jithendra		
A12	24A95A0103	B.D.V.S.Shekar	Three Bin System	12
	24A95A0108	K.Subbarhao		
	24A95A0110	K.Shanakr		
	24A95A0104	B.Bhavana		
A13	23A91A0104	A.Nani Manitrthanam	Water Irrigation	2
	23A91A0122	K.Anil Kumar		

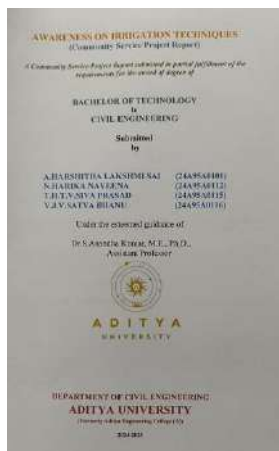
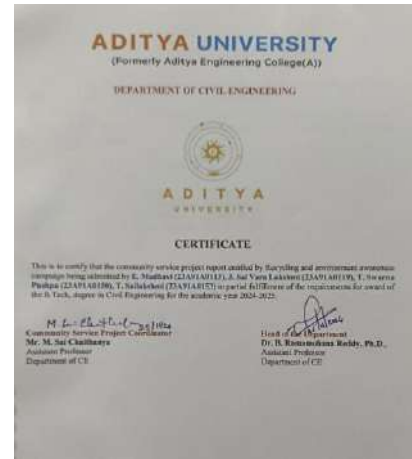


	23A91A0147	S.Vinay		
	23A91A0127	M.Kalyan		
A14	24A95A0109	K.Hemanth	Solar Panels	7
	24A95A0102	B.Sanath Kumar		
	24A95A0113	N.Vijay		
	24A95A0106	E.Salman Raju		
	24A95A0111	K.Poorna Chandru		
A15	23A91A0125	L.Naresh	Construction on Buildings	11
	23A91A0143	P.Bhargav Sri Harsha		
	23A91A0155	V.Durga Prasad		
A16	23A91A0163	Takunda Nyengerai	Optimisation of Traffic Congestion	11
	23A91A0161	Aibusiso Sibanda		
	23A91A0162	Tinotenda Evegreen Makuvire		
A17	23A91A0145	Beven Andile Senda	Analysing and Researching on Ways to Improve Traffic	11
	23A91A0146	Shafi Zama		
	23A91A0164	Panashe Elvis Muchape		
	23A91A0160	Tererai Mtetwa		
A18	23A91A0108	B.Nookameshwari	Construction and Its Materials	9
	23A91A0114	E.Nalini Sri		
	23A91A0135	N.Chandini		
	23A91A0148	S.Maha Lakshmi		
A19	23A91A0117	G.Shivani	Analysis of Road Accidents and Preventive Measures	3
	23A91A0142	P.Garishma		
	23A91A0156	V.Jessica		
	23A91A0157	Y.Jessi		
A20	23A91A0128	M.Jyothi Sri Sowmiya	Waste Water Treatment Analysis	6
	23A91A0134	M.Satya		



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	23A91A0141	P.Jaya Mathuri		
	23A91A0159	Y.Sruthi		
A21	23A91A0149	Mohan Krishna	Rain Water Harvesting	6
A22	23A91A0123	K.Tejbir Sharma	Water Conservation at University Campus	6
	23A91A0130	Md.Harun Rashid		





Research publications by faculty related to SDGs

Aditya University

Aditya Nagar, ADB Road, Surampalem, AP, India | 60114941

2,456
Documents

878
Authors

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New: See at one glance Sustainable Development Goals mapped to this organisation

Sustainable Development Goals (SDGs) are specific research areas that are helping to solve real-world problems. Elsevier data science teams have built extensive keyword queries, supplemented with machine learning, to map documents to SDGs with very high precision. Times Higher Education (THE) is using Elsevier SDG data mapping as part of its Impact Rankings. [More about SDGs](#)

SDG contributions

Goal 1: No poverty	3 documents	Goal 10: Reduced inequalities	6 documents
Goal 2: Zero hunger	42 documents	Goal 11: Sustainable cities and communities	96 documents
Goal 3: Good health and well-being	225 documents	Goal 12: Responsible consumption and production	82 documents
Goal 4: Quality education	13 documents	Goal 13: Climate action	119 documents
Goal 5: Gender equality	3 documents	Goal 14: Life below water	12 documents
Goal 6: Clean water and sanitation	59 documents	Goal 15: Life on land	26 documents
Goal 7: Affordable and clean energy	462 documents	Goal 16: Peace, justice and strong institutions	4 documents
Goal 8: Decent work and economic growth	39 documents	Goal 17: Partnership for the goals	29 documents
Goal 9: Industry, innovation and infrastructure	277 documents		



ADITYA UNIVERSITY

Sensitisation program on the Sustainable Development Goals (SDGs)

Aditya University is committed to advancing the Sustainable Development Goals (SDGs) through dedicated initiatives, including regular sensitisation and faculty development programs. These programs are designed to equip our faculty with the expertise to integrate sustainable development principles across the academic curriculum and campus life.

Aditya University conducted a sensitisation program on the Sustainable Development Goals (SDGs) for its academic leadership, including Deans, HoDs, committee convenors, and faculty members. The session featured an expert lecture by Prof. Sridhar Pabbisetty, Senior Director of the School of Government at MIT-World Peace University, Pune, who spoke on the critical role of universities in achieving the SDGs.

