



ADITYA UNIVERSITY

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SDG 1 – NO POVERTY

1.1 Introduction

Sustainable Development Goal 1 – No Poverty aims to *end poverty in all its forms everywhere*. It focuses on reducing poverty, protecting vulnerable people, and improving access to basic services and economic opportunities. SDG 1 promotes social protection, equal access to resources, employment, income opportunities, and resilience among people who are vulnerable to poverty. It also encourages policies and actions that help communities achieve sustainable livelihoods and improve their quality of life.

1.2 UN Targets

SDG 1 has seven targets covering poverty reduction, social protection, access to resources and basic services, resilience, and supportive policies. These targets provide a framework for reducing poverty and improving economic and social well-being.

Table 1.1: UN Targets for SDG 1

Target	Name of the Target
1.1	Eradicate extreme poverty
1.2	Reduce poverty in all its dimensions
1.3	Implement social protection systems and measures for all
1.4	Equal rights to economic resources, basic services, property and financial services
1.5	Build resilience of poor and vulnerable people
1.a	Mobilize resources to implement policies and programmes to end poverty
1.b	Create pro-poor policy frameworks at all levels

1.3 Contribution to SDG 1

Aditya University is committed to reducing the economic barriers faced by students, staff, and communities. The University supports students through scholarships, financial assistance, mentoring, and opportunities for education and employment. It also works with nearby villages and vulnerable communities through awareness, livelihood, financial literacy, and social support activities.

Financial Support for Students

Aditya University provides merit-based scholarships to eligible students based on academic performance, ranks, marks, and other defined criteria. These scholarships help deserving students continue their higher education and reduce the financial burden on families. The University also encourages students from economically weaker families to pursue higher education by creating awareness about available scholarships and financial support opportunities. Through financial literacy and mentoring programmes, students can be guided to understand financial planning, educational opportunities, scholarships, and government support schemes. These initiatives can contribute to better student success and help reduce the risk of students discontinuing their education due to financial difficulties.

Support for Rural and Economically Weaker Communities

University has adopted nine nearby villages for community engagement and development activities. The University conducts awareness programmes in these villages to help community members understand available welfare schemes and opportunities for improving their livelihoods. Students can support these activities by creating awareness about central and state government schemes, particularly schemes related to financial assistance, employment, skill development, entrepreneurship, and income generation. The University can also document the number of villages covered, awareness programmes conducted, community members reached, and schemes explained as part of its SDG 1 contribution.

Identifying Vulnerable Groups and Community Needs

Students from the Business School can conduct community surveys to identify vulnerable groups and understand their essential needs. Such surveys can help the University understand the economic and social challenges faced by local communities. The findings can be used to design suitable awareness programmes, livelihood support activities, skill

development initiatives, and other community interventions. This approach enables students to connect classroom learning with real community problems while contributing to poverty reduction.

Support for Poor and Vulnerable People

Students can organize old-clothes collection and distribution drives for people in need. These activities encourage students to share useful resources with economically disadvantaged members of the community. Such initiatives also promote social responsibility, compassion, resource sharing, and community participation among students. The University can maintain records of the collection drives, beneficiaries, participating students, photographs, and programme reports as evidence.

Food Support for Staff

The University provides subsidized food facilities for its staff. This welfare measure helps reduce the daily financial burden on employees and contributes to their economic well-being. Staff welfare measures can be documented as part of the University's institutional contribution towards reducing economic pressures on its workforce. Food donation to the patient and others in hospital who are below middle class in association with cheyutha NGO.

Staff Welfare and Housing Support

University provides quarters and other facilities for eligible staff members. Such support contributes to employee welfare by reducing the financial burden associated with housing and essential living requirements. The University also provides welfare support to its Class IV employees, including health-related and other necessary facilities. These measures help promote the economic and social well-being of support staff and their families.

Financial Assistance During Emergencies

The University provides financial support to faculty or staff members in situations such as accidental emergencies, as per institutional provisions. Such support provides financial assistance during difficult circumstances and reflects the University's commitment to employee welfare and social protection. The University can maintain appropriate records of such assistance while protecting the privacy of the individuals concerned.

Preventing School Dropouts in Adopted Villages

University students can identify school dropouts and students at risk of discontinuing education in the adopted villages. Based on the findings, the University can conduct awareness and mentoring activities with students and parents to encourage continued education. The University can also work with local schools and communities to improve school enrolment and reduce dropout rates. These initiatives can help children from economically weaker families remain connected to education and improve their future opportunities.

Higher Education Awareness and Scholarship Drives

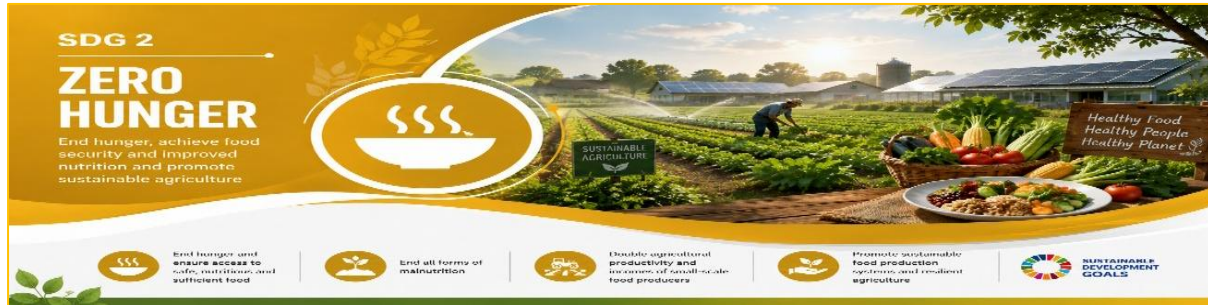
The University will conduct admission awareness campaigns and scholarship awareness drives in rural schools and economically weaker communities. These programmes will provide information about higher education opportunities, admission procedures, scholarships, financial assistance, career options, and other available support. The objective is to encourage students from low-income families to pursue higher education and improve their long-term employment and livelihood opportunities.

Livelihood and Entrepreneurship Support

Aditya University will support entrepreneurship and livelihood development programmes for women, youth, self-help groups, and local entrepreneurs. The programmes may include: Entrepreneurship training, Business mentoring, Digital marketing workshops, financial literacy, Business development guidance, Incubation support, Awareness about government and MSME schemes. These initiatives can help local individuals and groups develop sustainable sources of income and strengthen their economic independence.

Awareness of MSME and Government Support Schemes

The University will provide awareness about MSME programmes and other relevant government schemes to villagers and local entrepreneurs. Students and faculty can help communities understand the opportunities available for starting or expanding small businesses, developing skills, accessing support schemes, and generating income. This initiative can connect the University's knowledge and resources with local economic development.



SDG 2 – ZERO HUNGER

2.1 Introduction

Sustainable Development Goal 2 aims to *end hunger, achieve food security and improved nutrition, and promote sustainable agriculture*. SDG 2 focuses on ensuring that all people have access to sufficient, safe, and nutritious food. It also aims to end all forms of malnutrition, especially among children and vulnerable groups. The Goal promotes sustainable agriculture and supports small-scale food producers. It encourages better access to land, resources, technology, knowledge, and markets.

SDG 2 also recognises the need for resilient food production systems. Climate change, droughts, floods, land degradation, and other challenges can affect food production and food security. Improving agricultural productivity and promoting sustainable farming practices are important for meeting future food needs. Research, innovation, and technology can help improve food production while protecting natural resources.

The Goal also encourages investment in rural infrastructure, agricultural research, technology, and genetic resources. Strong food systems can improve both nutrition and rural livelihoods. Universities can support SDG 2 through education, research, innovation, nutrition awareness, sustainable food practices, agricultural activities, and community engagement. SDG 2 calls for cooperation among governments, farmers, communities, researchers, educational institutions, and other stakeholders. Collective action is important to build sustainable and resilient food systems.

2.2 UN Targets

SDG 2 has eight targets covering hunger, nutrition, sustainable agriculture, agricultural productivity, food markets, and genetic resources. These targets provide a framework for achieving food security and sustainable food systems.

Table 2.1: UN Targets for SDG 2

Target	Name of the Target
2.1	End hunger and ensure access to safe, nutritious and sufficient food
2.2	End all forms of malnutrition
2.3	Double the productivity and incomes of small-scale food producers
2.4	Ensure sustainable food production and resilient agricultural practices
2.5	Maintain genetic diversity of seeds, cultivated plants and farmed and domesticated animals
2.a	Increase investment in rural infrastructure, agricultural research, technology and gene banks
2.b	Correct and prevent trade restrictions and distortions in world agricultural markets
2.c	Ensure the functioning of food commodity markets and access to market information

2.3. Contribution to SDG 2

Aditya University contributes to SDG 2 through agricultural education, food services, research, innovation and community outreach. These activities help students understand sustainable food production, food safety, resource conservation and rural development.

Agricultural Education and Food Security

The University provides students with knowledge and practical skills related to agriculture and food production. The curriculum includes food quality and safety, food and dairy engineering, post-harvest technology, crop production, irrigation, soil and water conservation, farm machinery, and precision agriculture. These subjects help students understand sustainable farming and food security.

Nutritious and Hygienic Food Services

The University provides food services for students and employees. Importance is given to food quality, hygiene, safe preparation and proper storage. Faculty members are encouraged to provide feedback on the food served in the hostel mess. This feedback helps improve food quality and hygiene. The Hostel and Canteen Committee monitors food services and maintains a clean and safe environment.

Smart and Precision Agriculture

The University promotes smart and precision agriculture through innovative projects. These include an AI-enabled autonomous tobacco harvester, a remote-operated solar weeder and a solar-powered smart seeder. These projects help improve farm operations, reduce labour requirements and support efficient use of agricultural resources.

Workshops and Guest Lectures

The University organizes workshops, guest lectures and awareness programmes related to agriculture. Programmes on seed processing, farm management, agricultural start-ups, dairy farming and agricultural banking provide practical knowledge to students. These activities help students understand agricultural careers, entrepreneurship and rural development.

Food Processing and Value Addition

Students develop value-added food products using agricultural by-products. Examples include banana pseudo-stem candies, chocolate and tutti-frutti made from watermelon rind. These activities help students learn food processing, product development and waste reduction. They also encourage entrepreneurship and the sustainable use of agricultural resources.

Research and Innovation for Food Security

The University promotes research on food production, resource conservation and agricultural development. One research project focused on converting banana pseudo-stem and watermelon rind into fortified food products. The project developed seven product technologies, including candies, tutti-frutti, ice cream, squash, jam, chocolates and mango leather. Two research papers were drafted, and a patent application was submitted.

Industry and Field-Based Learning

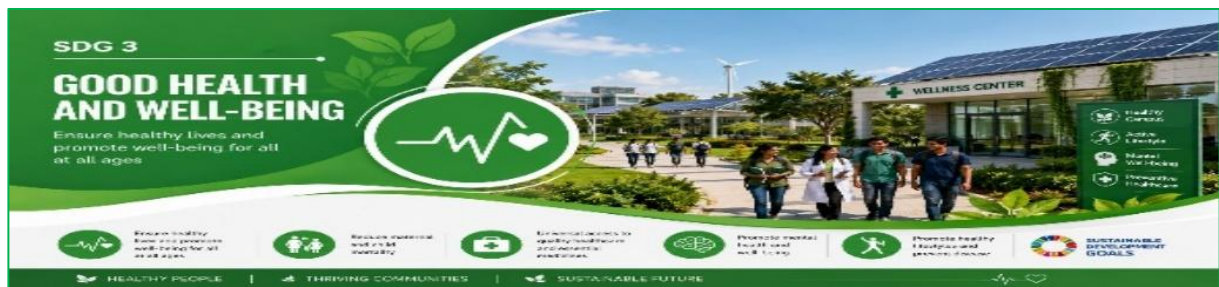
The University organizes industrial and field visits to connect classroom learning with real agricultural practices. Visits to the Horticulture Research Station, Sriram Farms and Nursery, and Chandrika Rice Mill provide exposure to crop production, farm management, post-harvest processing and value addition. These visits help students understand the agricultural value chain.

Capacity Building for Farmers and Rural Communities

The University plans to create awareness among farmers and rural communities about sustainable farming, efficient irrigation, soil conservation, farm technologies and post-harvest management. Students can also share information about government agricultural schemes and support programmes. These activities can help improve farm productivity and strengthen rural livelihoods.

Reduction of Food Waste

The University promotes responsible food consumption in hostels and dining facilities. Students are encouraged to avoid unnecessary food wastage. Food waste collected after consumption is used for biogas generation. This practice reduces food waste and supports renewable energy production on campus.



SDG 3 – GOOD HEALTH AND WELL-BEING

3.1 Introduction

Sustainable Development Goal 3 aims to *ensure healthy lives and promote well-being for all at all ages*. Good health is important for individuals, families, communities, and society. SDG 3 focuses on improving health and well-being and reducing preventable illness and deaths. The Goal addresses major health challenges, including maternal and child health, communicable diseases, non-communicable diseases, mental health, substance abuse, and access to essential health services.

SDG 3 also promotes universal health coverage. It calls for access to quality health services, essential medicines, vaccines, and affordable healthcare for all. Mental health and well-being are important parts of healthy living. The Goal encourages greater attention to mental health, prevention, treatment, and support services. SDG 3 also promotes the prevention of diseases and health risks. Healthy lifestyles, proper nutrition, physical activity, safe environments, and health awareness can contribute to better health outcomes.

Reducing deaths and illnesses caused by pollution and hazardous chemicals is another important area of the Goal. Clean air, safe water, sanitation, and healthy environments are closely connected with public health. Strong health systems are needed to achieve SDG 3. Health education, medical research, trained professionals, technology, and community participation can support better health outcomes. Universities can contribute to SDG 3 through health-related education, research, healthcare facilities, mental health support, physical fitness activities, health awareness programmes, community health services, and partnerships.

3.2 UN Targets

SDG 3 has 13 targets covering maternal and child health, communicable diseases, non-communicable diseases, mental health, substance abuse, road safety, reproductive health, universal health coverage, environmental health, and health research.

Table 3.1: UN Targets for SDG 3

Target	Name of the Target
3.1	Reduce maternal mortality
3.2	End preventable deaths of new-borns and children under 5
3.3	End the epidemics of communicable diseases
3.4	Reduce mortality from non-communicable diseases and promote mental health and well-being
3.5	Prevent and treat substance abuse
3.6	Reduce road traffic deaths and injuries
3.7	Ensure universal access to sexual and reproductive health-care services
3.8	Achieve universal health coverage
3.9	Reduce illness and death from hazardous chemicals and pollution
3.a	Strengthen the implementation of the world health organization framework convention on tobacco control
3.b	Support research and development of vaccines and medicines and ensure access to affordable essential medicines and vaccines
3.c	Increase health financing and strengthen the health workforce in developing countries
3.d	Strengthen capacity for early warning, risk reduction and management of national and global health risks

3.3 Contribution to SDG 3

Aditya University is committed to promoting good health and well-being among students, faculty, staff, and the surrounding community. The University follows a comprehensive approach that combines health services, mental well-being, preventive healthcare, academic programmes, community outreach, physical fitness, nutrition, and emergency medical support.

Institutional Mental Health Awareness

University promotes awareness of mental health and emotional well-being among students and employees. Mental health awareness activities help create a supportive campus environment and encourage students to seek appropriate guidance when they face academic, personal, or emotional challenges. The University also promotes counselling, stress management, self-care, and healthy lifestyle practices as part of its overall well-being approach.

Student Counselling and Well-being Support

The Student Counselling and Well-being Centre provides support for students' emotional and psychological well-being. The Centre can support students in managing academic pressure, stress, personal concerns, adjustment challenges, and other issues affecting their well-being. Counselling and guidance contribute to a healthier and more supportive learning environment. The University also provides well-being and self-help literature to promote awareness about mental health, emotional well-being, healthy habits, and self-care.

On-Campus Apollo Shine Health Centre

Aditya University has an Apollo Health Centre on campus, providing students and employees with access to healthcare services within the University premises. The availability of an on-campus health facility supports timely medical attention and contributes to the overall health and safety of the University community.

24/7 Emergency Medical Transport

The University maintains ambulance services that remain operational continuously for emergency medical transportation. The availability of emergency medical transport supports timely response during medical emergencies and helps students, faculty, and staff access appropriate healthcare facilities when required.

On-Campus Sick Rooms

The University provides sick rooms on campus for students and others who require temporary rest and basic care during illness. These facilities provide immediate support within the campus and are particularly useful for students who become unwell during academic activities.

Hostel Health and Residential Support

The University provides hostel-based health support, including isolation and residential arrangements when students require separation from others due to illness. Such arrangements help manage health-related situations within residential facilities and support the well-being of students living on campus.

Mega Blood Donation Drives

University conducts mega blood donation drives involving students, faculty, staff, and other stakeholders. These programmes promote awareness about voluntary blood donation and encourage students and employees to contribute to community health needs. Blood donation drives also provide an opportunity to educate the University community about the importance of supporting emergency healthcare requirements.

Rural Health and Women's Hygiene Camps

The University undertakes rural health outreach and women's hygiene camps as part of its community engagement activities. These programmes extend health awareness beyond the campus and provide opportunities to address health and hygiene-related needs in nearby communities. Women's hygiene awareness programmes also promote knowledge of personal hygiene, preventive healthcare, and healthy practices.

Community Health Outreach and Public Health Leadership

University participates in community health outreach programmes to promote public health awareness among nearby communities. Students and faculty can contribute their academic knowledge and professional skills to health awareness, preventive healthcare, hygiene, nutrition, and other public health initiatives. These activities provide students with practical exposure to community health challenges while contributing to public health awareness.

Academic Programmes and Capacity Building for Health

Health and well-being are supported through academic programmes across different Schools of the University. Relevant courses are included:

- i. School of Pharmacy – Clinical Care and Medicine Access: Academic activities in Pharmacy contribute to knowledge related to medicines, clinical care, pharmaceutical services, and access to appropriate healthcare.
- ii. School of Business – Healthcare Management: Business education includes areas related to healthcare management, providing students with knowledge of management practices applicable to healthcare organizations and services.
- iii. School of Sciences – Biomedical and Forensic Diagnostics: Science programmes support learning and research related to biomedical sciences and diagnostic applications.
- iv. School of Engineering – Health Technologies and Environmental Sanitation: Engineering education can contribute to health technologies and solutions related to environmental sanitation and public health.

The multidisciplinary nature of these programmes enables different Schools to contribute to health and well-being from different academic perspectives.

General and Co-Curricular Health Education

The University promotes health education through Yoga, Physical Education, and Stress Management activities. These activities encourage students to develop healthy routines and understand the importance of physical activity, relaxation, stress management, and overall well-being. Health-related awareness can also be integrated into student development and co-curricular programmes.

Preventive Health and Nutrition

University promotes preventive health, nutrition, and healthy lifestyle practices through awareness and educational activities. Nutrition awareness can help students and employees understand the importance of balanced food habits and healthy lifestyles. Preventive health activities encourage the University community to focus on health promotion rather than only responding to illness.

Substance-Free Campus

The University promotes a Substance-Free Campus Policy to support a healthy and safe educational environment. The policy provides an institutional framework for maintaining a campus environment free from substance use and for promoting awareness of healthy and responsible lifestyles among students and employees.

Water Quality and Food Safety

The University gives attention to water quality and food safety as important components of campus health and preventive healthcare. Maintaining safe drinking water and hygienic food practices helps reduce health risks and supports the well-being of students, staff, and other members of the campus community.

Physical Fitness and Active Living

University promotes physical fitness and active living among students through sports, physical education, and recreational activities. Regular physical activity supports physical health, mental well-being, teamwork, discipline, and healthy lifestyle habits. The University's sports and recreational infrastructure provides students with opportunities to participate in physical activities and maintain an active lifestyle.

Holistic Wellness

The University follows a holistic approach to student and employee well-being by bringing together physical health, mental health, physical activity, counselling, nutrition, preventive healthcare, and health education. This integrated approach helps create a campus environment that supports the overall well-being of the University community.



SDG 4 – QUALITY EDUCATION

4.1 Introduction

Sustainable Development Goal 4 aims to *ensure inclusive and equitable quality education and promote lifelong learning opportunities for all*. Education is essential for individual development and sustainable development. SDG 4 focuses on ensuring that all people have access to quality education and opportunities to learn throughout life. The Goal promotes access to quality early childhood, primary, secondary, and higher education. It also supports affordable and equal access to technical, vocational, and higher education.

SDG 4 gives importance to relevant knowledge and skills for employment, decent work, entrepreneurship, and sustainable development. It also promotes literacy, numeracy, and education for sustainable development. The Goal supports equal access to education for vulnerable groups, including persons with disabilities and disadvantaged learners. It also promotes safe, inclusive, and effective learning environments. Qualified teachers and suitable educational facilities are important for quality education. Technology, digital learning, research, and innovation can further improve learning opportunities. SDG 4 also encourages education for sustainable development, human rights, gender equality, global citizenship, and appreciation of cultural diversity. Universities have an important role in achieving SDG 4 through quality teaching, research, skill development, digital education, student support, inclusive learning, and community engagement.

4.2 UN Targets

SDG 4 has ten targets covering access to education, early childhood development, technical and higher education, skills, equality, literacy, sustainable development education, learning facilities, scholarships, and qualified teachers.

Table 4.1: UN Targets for SDG 4

Target	Name of the target
4.1	Free, equitable and quality primary and secondary education
4.2	Access to quality early childhood development, care and pre-primary education
4.3	Equal access to affordable technical, vocational and higher education
4.4	Increase the number of people with relevant skills for employment, decent jobs and entrepreneurship
4.5	Eliminate gender disparities in education and ensure equal access for vulnerable groups
4.6	Universal youth and adult literacy and numeracy
4.7	Education for sustainable development and global citizenship
4.a	Build and upgrade inclusive and safe education facilities
4.b	Expand scholarships for developing countries
4.c	Increase the supply of qualified teachers

4.3 Contribution to SDG 4

Aditya University is committed to providing quality, inclusive, practical, and industry-relevant education. The University combines classroom learning with digital education, student mentoring, skill development, research, industry exposure, and community outreach.

Industry-Oriented Curriculum and Learning

Aditya University follows an industry-oriented approach to curriculum and learning. The University has academic associations with organisations such as Google Cloud, Microsoft, and SAP to provide students with exposure to current technologies and industry practices. BBA programmes also have industry associations with KPMG, EY India, PwC, Red Varsity, and Deloitte. These collaborations help students understand practical applications and improve their professional skills.

AI-Based and Digital Learning

The University provides an AI-based learning platform to support technology-enabled education. Students can use digital resources to improve their understanding and learn at their own pace. The University also promotes digital learning through smart classrooms, digital classrooms, online resources, and other technology-enabled teaching practices.

Academic Early-Warning and Remedial Support

The University is developing an academic early-warning approach to identify students who may need additional academic support. Attendance, internal marks, assignment performance, and course outcomes can be used to identify students who are academically at risk. Such students are supported through mentoring, remedial classes, peer tutoring, additional learning resources, counselling, and academic guidance. This helps the University provide timely support rather than waiting until students face serious academic difficulties.

Induction, Bridge Courses and Student Mentoring

Induction programmes and bridge courses are provided for first-year students. These programmes help students adjust to university education and strengthen their basic knowledge. The University also follows a student proctoring and mentoring system. Around 30 students are assigned to each faculty mentor. The mentor monitors student progress and provides guidance on academics, career development, higher education, and other student needs.

Inclusive and Disability-Friendly Digital Education

The University promotes inclusive digital education by encouraging accessible learning materials for students with disabilities. Learning resources can include captions for videos, screen-reader-compatible documents, audio materials, accessible online examinations, and alternative formats. Sign-language support can also be provided where required. These practices help make digital learning more accessible and inclusive.

Community and Rural Education

The University extends its educational activities to nearby rural communities through school outreach and community programmes. The University promotes higher education

awareness, career guidance, scholarship awareness, digital literacy, and skill development. Rural Digital Learning Centres can further support computer literacy, basic programming, spoken English, digital financial literacy, AI awareness, career guidance, and online-course support. These activities help connect the University's educational resources with the needs of surrounding communities.

Aditya Open Learning Repository

The University can develop an Aditya Open Learning Repository containing lecture notes, video lectures, question banks, laboratory manuals, previous examination resources, project guides, and faculty-created learning materials. Selected resources can be made freely available to learners outside the University. This can extend the reach of the University's educational resources beyond the campus.

Infrastructure for Quality Education

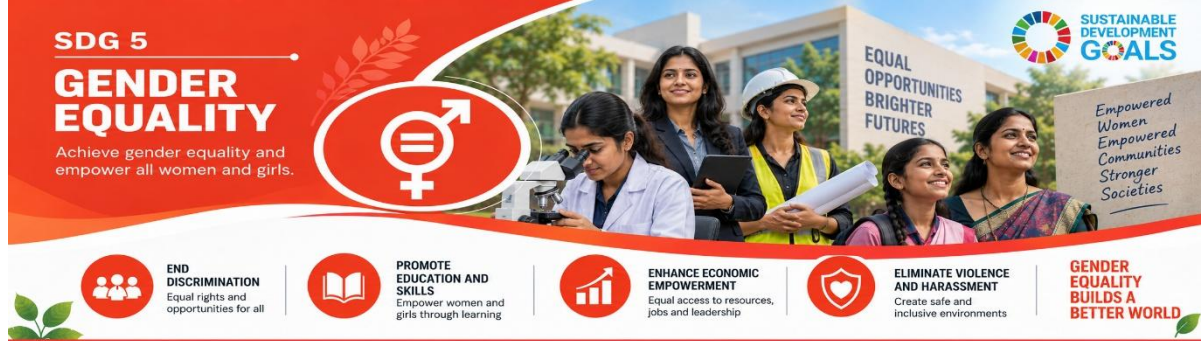
The University provides modern infrastructure to support quality education. This includes modern classrooms, smart classrooms, laboratories, research facilities, libraries, and digital libraries. These facilities support practical learning, research, digital education, and access to academic resources.

International and Academic Partnerships

The University promotes academic collaboration through academic MoUs and institutional partnerships. These provide opportunities for faculty exchange, student exchange, international collaboration, and joint research. Such partnerships provide wider academic exposure and encourage knowledge sharing among students, faculty, and partner institutions.

Overall Contribution to Quality Education

University's approach to SDG 4 connects quality teaching, industry exposure, digital learning, student support, inclusive education, research, and community outreach. The University aims to provide students with knowledge, skills, practical experience, and opportunities for personal and professional development. Through its academic infrastructure and wider educational activities, the University also extends learning opportunities to the surrounding community.



SDG 5 – GENDER EQUALITY

5.1 Introduction

Sustainable Development Goal 5 aims to *achieve gender equality and empower all women and girls*. Gender equality is important for a fair and inclusive society. Every person should have equal rights, opportunities, and access to education, employment, leadership, and development. SDG 5 focuses on ending discrimination and all forms of violence against women and girls. It also promotes equal participation in social, economic, and public life. The Goal supports equal opportunities in education and employment. It encourages women to participate in leadership and decision-making at all levels.

SDG 5 also addresses harmful practices such as child marriage and other forms of discrimination against women and girls. It calls for stronger measures to protect their rights and dignity. Access to health services, reproductive health, economic resources, technology, and other opportunities is also important for women's empowerment. Educational institutions have an important role in promoting gender equality. Universities can support this Goal through education, awareness programmes, research, student activities, leadership opportunities, safe campus systems, and institutional policies. Creating a safe and inclusive environment is essential. Complaint and grievance mechanisms can help address concerns related to harassment and discrimination.

5.2 UN Targets

SDG 5 has nine targets covering discrimination, violence, harmful practices, unpaid care work, leadership, reproductive health, economic rights, technology, and policies for gender equality.

Table 5.1: UN Targets for SDG 5

Target	Name of the target
5.1	End discrimination against women and girls

5.2	Eliminate all forms of violence against women and girls
5.3	Eliminate harmful practices against women and girls
5.4	Recognize and value unpaid care and domestic work
5.5	Ensure women's full and effective participation and equal opportunities for leadership
5.6	Ensure universal access to sexual and reproductive health and reproductive rights
5.a	Ensure equal rights to economic resources, property ownership and financial services
5.b	Enhance the use of enabling technology to promote women's empowerment
5.c	Adopt and strengthen policies and legislation for gender equality and women's empowerment

5.3 Contribution to SDG 5

University is committed to promoting gender equality, equal opportunities, women's empowerment, safety, health, and participation in leadership. The University integrates gender-related awareness into education, student activities, campus facilities, employee welfare, governance, and community-oriented initiatives.

Gender Equality in Education

University promotes awareness of gender equality through its academic environment. Gender-related concepts are included in relevant courses and learning activities. The University has identified courses related to gender equality and women's empowerment from its curriculum. These courses help students understand gender equality, social responsibility, women's empowerment, and the importance of creating an inclusive society. The University also encourages students to undertake projects related to women's issues and gender equality. Such projects provide opportunities for students to understand real-world challenges and explore possible solutions.

Gender Awareness and Student Development

The University conducts seminars, workshops, debates, essay competitions, and other awareness activities related to gender equality and women's empowerment. These programmes create awareness among students about equality, respect, inclusion, and the importance of equal participation of women and men in education, employment, leadership, and society. Women students are also encouraged to take leadership roles in student clubs and activities. This provides opportunities for them to develop leadership, communication, teamwork, decision-making, and organizational skills.

Women in Leadership

Aditya University provides opportunities for women to participate in academic and institutional leadership. Women faculty members hold leadership positions, including roles such as HODs, Deans, Directors, coordinators, and other institutional responsibilities. The participation of women in leadership demonstrates the University's commitment to equal opportunities and encourages students, particularly women students, to aspire to leadership positions. The University also promotes women's representation in student bodies, providing opportunities for women students to participate in student leadership, decision-making, and campus activities.

Women's Safety and Grievance Support

The University has an Internal Committee / Internal Complaints Committee to support a safe and respectful environment. The University provides complaint and grievance mechanisms, including confidential reporting mechanisms, to enable students and employees to raise concerns through appropriate institutional channels. The University's approach to gender equality includes creating awareness about appropriate behaviour, institutional responsibilities, and mechanisms available for addressing complaints.

Campus Safety and Security

The University provides safety and security arrangements across the campus, including CCTV coverage in appropriate campus areas. Such security infrastructure contributes to creating a safe campus environment for students, faculty, staff, and visitors.

Women's Health and Well-being

University conducts health awareness programmes for women students and staff. The University also organizes health camps for women and promotes awareness of nutrition and healthy lifestyles. These initiatives support women's health and well-being and encourage students and employees to give appropriate attention to preventive health. The University also provides counselling and emotional well-being support, helping students and employees access appropriate guidance and support when required.

Women-Friendly Campus Facilities

The University provides separate and hygienic restroom facilities for women on campus. Such facilities contribute to a safe, healthy, and comfortable learning and working environment for women students and employees.

Equal Employment and Professional Development

University promotes equal employment opportunities for faculty and staff. The University also provides equal opportunities for professional development, enabling employees to participate in appropriate training, development programmes, and career-related activities. These practices support a fair and inclusive institutional environment in which women can develop their professional careers.

Maternity-Related Support

The University provides maternity-related support as per applicable rules. Such provisions support women employees during maternity and contribute to a supportive working environment.

Technology and Women's Empowerment

The University encourages the use of technology-based solutions that can support women's safety, health, education, and livelihoods. Student projects, research, innovation activities, and technology-based initiatives can provide opportunities to develop practical solutions for challenges faced by women.

Awareness of Government Schemes for Women

The University promotes awareness of government schemes and support programmes for women entrepreneurs. Such awareness can help women students, local women entrepreneurs, and community members understand available opportunities related to entrepreneurship, financial support, skill development, and livelihood development.

International Women's Day and Awareness Activities

The University conducts International Women's Day programmes to recognize women's contributions and promote awareness of gender equality and women's empowerment. The University also encourages debates, essay competitions, awareness campaigns, and other student activities related to gender equality. These programmes provide students with opportunities to discuss social issues and develop a deeper understanding of equality and inclusion.

Institutional Policies and Governance

Aditya University supports gender equality through institutional policies and mechanisms, including:

- Gender Equality Policy
- Women Empowerment Policy
- Prevention of Sexual Harassment Policy
- Internal Complaints Committee

These policies and institutional mechanisms provide a framework for promoting equality, protecting dignity, supporting women's participation, and addressing concerns through appropriate institutional processes.



SDG 6 – CLEAN WATER AND SANITATION

6.1 Introduction

Sustainable Development Goal 6 aims to *ensure availability and sustainable management of water and sanitation for all*. Water is essential for human health, food, ecosystems, and economic development. SDG 6 focuses on ensuring access to safe and affordable drinking water, adequate sanitation, and good hygiene for all. The Goal also promotes better water quality. It calls for reducing pollution, improving wastewater treatment, increasing recycling and safe reuse, and protecting water-related ecosystems.

Efficient use of water is another important part of SDG 6. Water scarcity and increasing demand can create challenges for communities and ecosystems. Water conservation, rainwater harvesting, efficient water use, and sustainable water management can help address these challenges. SDG 6 also promotes integrated water resources management. Cooperation among communities, institutions, governments, and other stakeholders is important for managing water resources effectively.

Sanitation and hygiene are closely connected with public health and human dignity. Access to safe sanitation and hygiene facilities helps prevent disease and supports a healthy living environment. Education, research, technology, and innovation can contribute to better water and sanitation systems. Universities can support SDG 6 through teaching, research, campus water management, awareness programmes, and community engagement.

2. UN Targets

SDG 6 has eight targets covering drinking water, sanitation and hygiene, water quality, water-use efficiency, integrated water resources management, water ecosystems, international cooperation, and community participation.

Table 6.1: UN Targets for SDG 6

Target	Name of the target
6.1	Universal and equitable access to safe and affordable drinking water
6.2	Access to adequate and equitable sanitation and hygiene for all
6.3	Improve water quality, wastewater treatment, recycling and safe reuse
6.4	Increase water-use efficiency and ensure sustainable freshwater withdrawals
6.5	Implement integrated water resources management at all levels
6.6	Protect and restore water-related ecosystems
6.a	Expand international cooperation and capacity-building in water and sanitation
6.b	Support and strengthen local community participation in water and sanitation management

6.3 Contribution to SDG 6

Aditya University is committed to promoting clean water, sanitation, hygiene, water conservation, and sustainable water management. The University follows an integrated approach that includes safe drinking water, sanitation facilities, wastewater management, rainwater harvesting, academic learning, research, and community outreach.

Safe and Accessible Drinking Water

The University provides safe and accessible drinking water for students, faculty, staff, and visitors. Drinking-water facilities are available at suitable locations across the campus. A central RO plant supports the purification of water for drinking purposes. The University gives importance to maintaining the quality and safety of drinking water. Water quality monitoring and testing help assess important parameters and support the provision of water suitable for human consumption. The Civil Engineering Department also supports water monitoring activities. Faculty and students can participate in water quality-related activities. This connects practical learning with campus water management.

Sanitation and Hygiene Facilities

The University provides sanitation and toilet facilities across academic, administrative, hostel, and other campus areas. Separate and appropriate facilities are provided for different campus users. Regular attention is given to cleanliness, water supply, toilets, bathing facilities, and common areas, particularly in student hostels. These facilities support a safe, hygienic, and dignified campus environment.

Wastewater Management and Sewage Treatment

The University gives importance to the proper collection, treatment, and management of wastewater generated from campus activities. Sewage generated within the campus is appropriately managed through treatment processes. Proper treatment helps reduce environmental pollution and protects water resources. Treated wastewater can be reused for suitable non-potable purposes such as landscaping and gardening, wherever applicable. This reduces dependence on freshwater and supports water conservation.

Rainwater Harvesting and Groundwater Recharge

The University promotes rainwater harvesting and groundwater recharge as part of sustainable water management. Rainwater harvesting systems help collect and utilize rainwater and can support groundwater recharge. These practices reduce dependence on conventional water sources and contribute to long-term water security on campus.

Leak Detection and Preventive Maintenance

Regular maintenance of water pipelines, taps, valves, storage tanks, and other water infrastructure helps reduce water losses. The University can identify and repair leakage points to prevent unnecessary water consumption. Preventive maintenance also supports a reliable water supply across the campus.

Water Conservation and Awareness

The University conducts awareness activities on water conservation, sanitation, hygiene, and responsible water use. Students and employees are encouraged to avoid water

wastage and understand the importance of water as a valuable natural resource. These activities promote responsible behaviour across the campus.

Community Outreach on Water, Sanitation and Hygiene

The University extends water, sanitation, and hygiene awareness activities to nearby communities. Students and faculty can participate in programmes related to safe drinking water, sanitation, personal hygiene, menstrual hygiene, water conservation, and environmental cleanliness. These activities extend the University's contribution to sustainable water management beyond the campus.

Academic Programmes Related to Water and Sanitation

Different Schools contribute to SDG 6 through academic education and practical learning. Civil Engineering education covers areas such as water supply, wastewater treatment, environmental engineering, hydrology, irrigation, and water-resource management. Science education supports understanding of water quality, environmental pollution, ecosystems, and microorganisms. Pharmacy education connects water quality and hygiene with public health. Agricultural Engineering supports learning related to irrigation, water conservation, watershed management, and sustainable agricultural water use. This multidisciplinary approach allows students to understand water and sanitation from engineering, scientific, health, and agricultural perspectives.

Research and Innovation in Water Management

The University promotes research, innovation, and student projects related to water conservation, wastewater treatment, water quality, sanitation, and sustainable infrastructure. Faculty and students can apply their knowledge to develop practical solutions for water-related challenges. This connects research and innovation with the University's sustainability goals.

Patents and Innovations Supporting SDG 6

The University's research and innovation ecosystem includes technologies related to water treatment, water conservation, drainage, and sanitation. The University reports more than 250 patents as part of its research and innovation ecosystem. Examples include:

- A hybrid desalination device with improved oil-water separation, supporting water treatment and water-quality improvement.
- An automated fog harvester designed to collect atmospheric moisture and improve water-use efficiency.
- A water treatment system for ion balancing and mineralization.
- An automatic waste-cleaning floor drain trap that supports drainage and sanitation. The invention has been granted Patent No. 495855.
- A height-adjustable toilet system designed to improve accessibility and support inclusive sanitation. The associated invention has been granted Patent No. 518102.

These innovations demonstrate how research and engineering can support clean water, sanitation, accessibility, and resource efficiency.

Polavaram Project Model and Water Resources Education

The University has a Polavaram Project Model on campus. It serves as a visual and educational resource for understanding water-resource development and irrigation infrastructure. The model helps students connect classroom concepts with a real-world water-resource project. It can support learning in hydrology, irrigation engineering, water resources engineering, hydraulic structures, watershed management, and sustainable infrastructure planning. The model can also support classroom discussions, demonstrations, student projects, seminars, and experiential learning activities.



SDG 7 – AFFORDABLE AND CLEAN ENERGY

7.1 Introduction

Sustainable Development Goal 7 aims to *ensure access to affordable, reliable, sustainable and modern energy for all*. Energy is essential for education, healthcare, industry, transport, communication, and economic development. Access to reliable energy supports better living conditions and sustainable growth. SDG 7 focuses on ensuring universal access to affordable, reliable, and modern energy services. It also promotes the use of renewable energy sources such as solar, wind, and other clean energy technologies. Improving energy efficiency is another important part of SDG 7. Efficient buildings, equipment, lighting, transportation, and energy systems can reduce energy consumption and environmental impact.

The Goal also encourages investment in clean energy infrastructure and advanced technologies. Research and innovation can help develop affordable and efficient energy solutions. The transition to clean energy can also support climate action and reduce dependence on fossil fuels. It can contribute to cleaner air, lower greenhouse gas emissions, and sustainable development. Universities can contribute to SDG 7 through renewable energy systems, energy-efficient infrastructure, energy conservation, research, innovation, education, and awareness programmes.

7.2 UN targets

SDG 7 has five targets covering universal energy access, renewable energy, energy efficiency, international cooperation, and clean energy infrastructure and technology.

Table 7.1: UN Targets for SDG 7

Target	Name of the target
7.1	Universal access to affordable, reliable and modern energy services

7.2	Increase the share of renewable energy in the global energy mix
7.3	Double the global rate of improvement in energy efficiency
7.a	Enhance international cooperation to facilitate access to clean energy research, technology and investment
7.b	Expand infrastructure and upgrade technology for supplying modern and sustainable energy services

7.3. Contribution to SDG 7

Aditya University promotes affordable, reliable and clean energy through renewable energy generation, energy conservation, energy audits, research and awareness programmes. The University uses solar power and energy-efficient practices to reduce dependence on conventional electricity. These activities support sustainable campus operations and create awareness about responsible energy use.

Energy Audit and Energy Conservation

Aditya University conducted an internal energy audit to study electricity consumption and identify opportunities for energy conservation. The audit covered major electrical equipment and facilities across the campus. It provides a useful basis for monitoring energy use, improving efficiency and planning future energy-saving measures.

Connected Electrical Load

The energy audit recorded a total connected electrical load of 4,167,138 watts. The audit considered equipment such as lights, fans, air conditioners, computers, water pumps, street lights, hostel geysers, laboratory equipment and other electrical appliances. This information helps the University identify major energy-consuming areas and plan suitable improvements.

Renewable Energy and Solar Power

The University uses solar energy as an important part of its clean-energy initiatives. The audit recorded an installed renewable energy capacity of 1,950 kW. The campus has three electricity service connections with solar capacities of 600 kW, 800 kW and 550 kW. Solar

power helps reduce dependence on conventional electricity and supports the transition towards cleaner energy.

Solar Energy Generation and Consumption

The audit report recorded 22,43,734 kWh of energy generated from renewable energy sources. It also recorded 30,13,448 kWh as total consumption from renewable energy sources and APSEB. During the reported period, 17,05,829 kWh was consumed from renewable energy sources and 33,07,619 kWh was consumed from APSEB. These figures show the contribution of renewable energy to the University's electricity requirements.

Solar Energy Savings

The audit includes monthly information on solar generation, solar consumption, solar export and savings for the three service connections. This information helps the University monitor solar performance and understand the benefits of renewable energy. It also supports future planning for increasing solar generation and reducing conventional electricity use.

Energy-Efficient Campus Operations

The University uses electrical equipment in academic buildings, hostels, laboratories, offices and other campus facilities. The energy audit provides an equipment-wise record of units and connected load. This record can support the replacement of inefficient equipment, better maintenance and the use of energy-efficient lighting, cooling, computing and water-pumping systems.

Energy Monitoring and Management

Regular monitoring of electricity consumption helps the University improve energy performance. The audit data can be used to compare renewable energy use with electricity purchased from APSEB. It can also help identify areas with high energy consumption and support future energy audits and conservation plans.

Research and In-house Projects

Aditya University encourages research and in-house projects related to affordable and clean energy. Faculty members and students can work on solar power, energy efficiency, renewable energy systems, energy monitoring and sustainable campus operations. These projects help students develop practical solutions for real-world energy challenges.

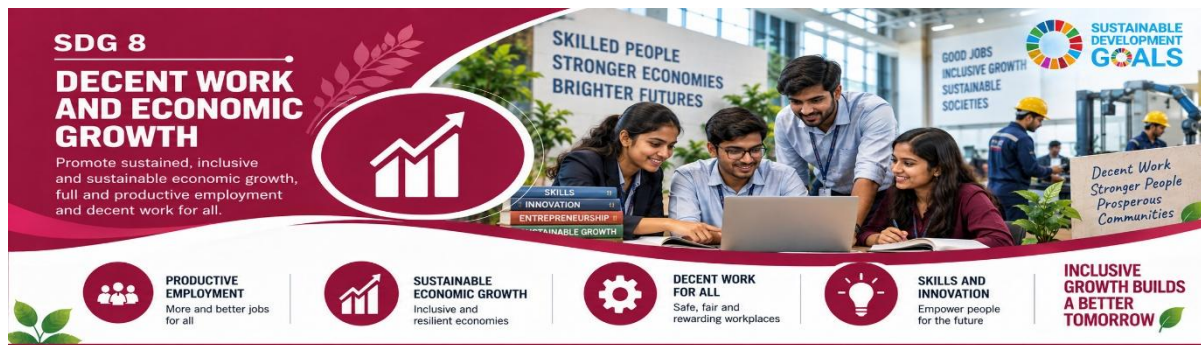
In-house projects may focus on solar-powered systems, smart energy management, energy-efficient equipment, battery-operated vehicles and other clean-energy applications. The energy audit provides a useful foundation for selecting research topics based on actual campus energy consumption. Specific project titles, project numbers and outcomes should be added based on University records.

Awareness Programmes for Staff and Community

The University conducts awareness programmes for staff members and the surrounding community on energy conservation and clean energy. These programmes promote responsible electricity use, energy-efficient practices and the benefits of renewable energy. Staff and community members are encouraged to switch off unused equipment, avoid unnecessary energy consumption and support sustainable environmental practices.

Student and Staff Participation

Students and staff members can contribute to energy conservation through daily responsible practices. Awareness activities, energy-saving campaigns and practical demonstrations help develop an energy-conscious campus community. Participation in these activities strengthens the University's commitment to clean energy and sustainability.



SDG 8 – DECENT WORK AND ECONOMIC GROWTH

8.1 Introduction

Sustainable Development Goal 8 aims to *promote sustained, inclusive and sustainable economic growth, full and productive employment, and decent work for all*. Economic growth is important for improving living standards and creating better opportunities for people. SDG 8 focuses on achieving economic growth that benefits all sections of society. The Goal promotes productive employment and decent work for women and men. It supports safe working conditions, fair opportunities, and respect for workers' rights. SDG 8 also focuses on youth employment. Young people need education, skills, training, and employment opportunities to build secure livelihoods.

The Goal encourages entrepreneurship, innovation, and the growth of small and medium-sized enterprises. Access to finance, technology, markets, and business support can help create new employment opportunities. SDG 8 also calls for an end to forced labour, modern slavery, human trafficking, and child labour. Protecting workers and ensuring safe and fair working environments are important for sustainable development. Resource efficiency is another part of SDG 8. Economic growth should be achieved while reducing environmental damage and using natural resources responsibly. Universities can contribute to SDG 8 through skill development, industry-oriented education, entrepreneurship, internships, placements, research, innovation, incubation, and partnerships with industries and communities.

8.2. UN targets

SDG 8 has twelve targets covering economic growth, productivity, employment, entrepreneurship, resource efficiency, decent work, youth employment, labour rights, safe working environments, sustainable tourism, financial services, and support for employment and development.

Table 8.1: UN Targets for SDG

Target	Name of the target
8.1	Sustain per capita economic growth in accordance with national circumstances
8.2	Achieve higher levels of economic productivity through diversification, technological upgrading and innovation
8.3	Promote development-oriented policies that support productive activities, decent job creation, entrepreneurship, creativity and innovation
8.4	Improve global resource efficiency in consumption and production and decouple economic growth from environmental degradation
8.5	Achieve full and productive employment and decent work for all, with equal pay for work of equal value
8.6	Substantially reduce the proportion of youth not in employment, education or training
8.7	Take immediate and effective measures to eradicate forced labour, modern slavery, human trafficking and child labour
8.8	Protect labour rights and promote safe and secure working environments for all workers
8.9	Promote sustainable tourism that creates jobs and promotes local culture and products
8.10	Strengthen the capacity of domestic financial institutions to encourage access to banking, financial and insurance services for all
8.a	Increase aid for trade support for developing countries
8.b	Develop and operationalize a global strategy for youth employment

3.3 Contribution to SDG 8

Aditya University contributes to SDG 8 through employability training, internships, industry-relevant education, entrepreneurship, research and community engagement. These activities help students develop technical, digital, communication and workplace skills. The University also supports career development, innovation and self-employment opportunities. The University's placement training, industry interaction and professional development

programmes prepare students for employment. Entrepreneurship activities, research projects and student start-ups encourage innovation and economic growth. Through these initiatives, Aditya University helps students and faculty develop skills for decent work and future career opportunities.

Employability and Skill Development

The University gives students opportunities to develop technical, digital, communication, analytical, and workplace skills alongside their regular academic education.

- i. In-house Placement Readiness Training: The University conducts in-house placement readiness training for III and IV-year students to prepare them for recruitment and employment opportunities.
- ii. Programming and Coding Training: Students are provided with programming and coding practice through Aditya's Internal Coding Platform – Maya, as well as external coding platforms such as CodeChef, GeeksforGeeks, HackerRank, and LeetCode. In addition, the University conducts a special coding practice programme every Saturday called “Code Carnival”, which provides students with regular hands-on coding practice.
- iii. Emerging Technology Training: The Career Development Cell (CDC) provides students with training and exposure to emerging technologies to help them understand current and future industry requirements.
- iv. CRT and Soft Skills Training: The University provides Campus Recruitment Training (CRT) and Soft Skills Training to students to improve their aptitude, reasoning, communication, interpersonal, and interview skills and prepare them for recruitment processes.
- v. Domain-Specific Training and Certifications: Students are provided opportunities to undertake domain-specific training and professional certifications through platforms such as Coursera, LinkedIn Learning, NPTEL–SWAYAM, Springboard, and other relevant learning platforms.

Placement and Career Support

The University provides placement and career preparation through the Career Development Cell (CDC) and other academic and training activities. The following initiatives are conducted to prepare students for recruitment and employment opportunities:

- i. **Company-Specific Placement Training:** The University conducts specialized training programmes based on the requirements of specific placement drives, including recruitment drives conducted by companies such as Amazon, TCS, and other recruiting organizations. These programmes focus on the technical, aptitude, coding, and interview requirements of individual companies.
- ii. **Specialized Placement Training Programmes:** The University also conducts specialized training programmes such as QSpiders, Global Placement Training, Smart Interviews, and Japanese Language Training to enhance students' employability and prepare them for different recruitment opportunities.
- iii. **Mock Interviews and Assessment Platforms:** The University conducts mock interviews and placement assessments using different platforms, including iQudra, Hoot Platform, CoCubes, eLitmus, LiteCoder, and HirePro. These activities provide students with practice in technical interviews, HR interviews, aptitude assessments, coding assessments, and other stages of the recruitment process.

The School of Engineering reports 260+ recruiters and 4,000+ placement opportunities in recent placement seasons. These placement-oriented training programmes and activities help students understand recruitment processes, improve their performance, and prepare for employment opportunities.

Internships and Industrial Training

Students are provided with opportunities to gain practical experience through summer internships, final-year internships and projects, industrial training, community service projects, internship-based projects, and industry-oriented project work. These activities provide students with exposure to real-world work environments, help them understand professional practices, and enable them to apply their academic knowledge and technical skills to practical situations.

Industry-Relevant Education

The University offers programmes in various areas that equip students with knowledge and skills relevant to employment and industry requirements. These include the AI & ML Programme in association with Google, AI & ML Programme in association with Microsoft, Computer Science Programme in association with SAP, CSE Programme in association with Google Cloud, BBA in knowledge partnership with Deloitte, and Business Analytics in

knowledge partnership with KPMG, among others. These programmes provide students with industry-relevant knowledge, practical skills, and exposure to current technologies and professional practices, thereby enhancing their employability and preparing them for diverse employment sectors.

Project-Based Learning

Students develop practical knowledge and industry-relevant skills through academic and technical projects. Our curriculum incorporates project-based learning, wherein students are guided by faculty members to undertake and complete projects at the end of relevant courses. Final-year students are required to complete their final-year projects as part of their academic requirements. In addition, students are encouraged to participate in various project expos, technical competitions, and innovation events organized both within the University and at external institutions. These project-based activities help students enhance their problem-solving abilities, teamwork, creativity, technical skills, innovation, and project-management capabilities.

Entrepreneurship and Innovation

The University encourages students to explore entrepreneurship and self-employment as viable career options through the Entrepreneurship Development Cell (EDC). The EDC organizes entrepreneurship awareness programmes, workshops, and related activities to develop students' entrepreneurial skills and encourage innovation. These initiatives motivate students to identify business opportunities, develop entrepreneurial ideas, and pursue self-employment. As a result, some students have successfully ventured into entrepreneurship and established their own businesses, such as Get My Tailor, among others. These activities allow students to understand entrepreneurship and develop their own ideas.

Research and Innovation

Faculty and students actively participate in research, project development, and innovation activities across various disciplines. These activities include faculty research, student research projects, research publications, interdisciplinary research, technology-oriented research, development of student prototypes, AI and IoT-based solutions, software applications, and engineering innovations. Such initiatives encourage both faculty and students

to apply their knowledge to real-world problems, develop practical solutions, foster creativity and innovation, and contribute to the advancement of technology and society; all these activities are conducted through the R&C Cell.

Faculty Professional Development

The University supports faculty members in enhancing their professional and academic skills through faculty development programmes, technical training, research methodology programmes, workshops on emerging technologies, teaching-learning improvement programmes, conferences, and seminars. These continuous professional development initiatives help faculty members update their subject knowledge, strengthen their teaching and research skills, adopt innovative teaching methodologies, and stay abreast of emerging technologies and developments in their respective fields.

Industry Interaction and Professional Exposure

The University provides students with opportunities to interact with industry professionals and gain a better understanding of workplace practices through expert lectures, technical workshops, professional seminars, industrial visits, industry-oriented training, recruiter interactions, professional mentoring, and alumni interactions. These initiatives provide students with valuable exposure to professional environments, current industry practices, and employer expectations, while helping them develop the knowledge, skills, and competencies required for successful careers.

Community Outreach & Engagement

The University promotes outreach activities through student-led startups and faculty engagement with external institutions. Some of our students have established a startup in the field of robotics and are providing robotics-related services and solutions to government and private schools. In addition, our faculty members actively extend their expertise beyond the University by providing training and knowledge-sharing sessions to external institutions and organizations on emerging technologies, including AI tools and applications. These outreach initiatives enable students and faculty to share their knowledge, skills, and innovative solutions with the wider community.



SDG 9 – INDUSTRY, INNOVATION AND INFRASTRUCTURE

9.1 Introduction

Sustainable Development Goal 9 aims to *build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation*. Infrastructure is important for economic and social development. Reliable transport, communication, energy, technology, and digital infrastructure support education, business, industry, and communities. SDG 9 promotes the development of quality, reliable, sustainable, and resilient infrastructure. It also encourages infrastructure that is accessible and beneficial to all sections of society. The Goal supports inclusive and sustainable industrial development. Industries can contribute to employment, economic growth, technological development, and innovation when they use resources efficiently and reduce environmental impacts.

Innovation and technological development are important parts of SDG 9. Research, new technologies, entrepreneurship, and creative solutions can help address social, economic, and environmental challenges. The Goal also encourages greater access to information and communication technologies. Digital technologies can improve education, business, public services, and connectivity, particularly for underserved communities. Small industries and enterprises also need access to finance, technology, infrastructure, and markets. Supporting them can strengthen local economies and create new opportunities. Universities can contribute to SDG 9 through engineering and technology education, research, innovation, patents, entrepreneurship, incubation, industry partnerships, laboratories, and technology-based solutions.

9.2 UN targets

SDG 9 has eight targets covering sustainable infrastructure, inclusive industrialization, access to finance and markets, clean technologies, research and innovation, and access to information and communication technologies.

Table 9.1: UN Targets for SDG 9

Target	Name of the target
9.1	Develop quality, reliable, sustainable and resilient infrastructure
9.2	Promote inclusive and sustainable industrialization
9.3	Increase the access of small-scale industrial and other enterprises to financial services and markets
9.4	Upgrade infrastructure and industries to make them sustainable and resource-efficient
9.5	Enhance scientific research and upgrade the technological capabilities of industrial sectors
9.a	Facilitate sustainable and resilient infrastructure development in developing countries
9.b	Support domestic technology development, research and innovation in developing countries
9.c	Significantly increase access to information and communications technology

9.3 Contribution to SDG 9

Aditya University contributes to SDG 9 – Industry, Innovation and Infrastructure by promoting quality technical education, industry-oriented learning, research and innovation, entrepreneurship, industry collaboration, and modern infrastructure. The University provides opportunities for students and faculty to develop innovative solutions to real-world problems and supports the development of technology, research, and entrepreneurship.

Industry-Oriented Education and Skill Development

University offers courses related to engineering, technology, innovation, and infrastructure. The academic programmes provide students with technical knowledge and practical skills relevant to industry and emerging technologies. The University promotes an industry-oriented curriculum that connects academic learning with practical applications. Students are encouraged to apply their knowledge to real-world problems through projects, practical learning, and problem-solving activities. The University also promotes project-based

learning, enabling students to identify problems, develop solutions, and gain practical experience in applying technology.

Innovation and Problem-Solving

The University encourages students to participate in innovation and problem-solving competitions. These activities provide students with opportunities to develop creative solutions and demonstrate their technical and entrepreneurial skills. Hackathons are also conducted to encourage students to work on real-world challenges within a limited period. Such activities promote teamwork, creativity, technical skills, and innovation. Technology-based student clubs provide an additional platform for students to explore emerging technologies, work on projects, share knowledge, and develop innovative ideas.

Interdisciplinary Innovation

University encourages interdisciplinary projects involving different Schools and academic disciplines. Such projects enable students to combine knowledge from different fields to address complex problems. Interdisciplinary learning also promotes collaboration between students with different technical and academic backgrounds and encourages the development of integrated solutions.

Research, Patents and Product Development

The University promotes research and innovation through its research laboratories and advanced facilities. These facilities provide students and faculty with opportunities to undertake research, experimentation, technology development, and applied projects. Research and innovation activities have also resulted in patents being granted and support the development of new products and technological solutions. Product development activities provide opportunities to convert research ideas into practical applications and demonstrate the University's focus on innovation and technology development.

Start-ups and Incubation Support

Aditya University supports entrepreneurship and innovation through its Incubation Centre. The Incubation Centre provides a platform for developing innovative ideas and supporting entrepreneurship. The University also supports start-ups emerging from university

research and encourages students and researchers to explore entrepreneurial opportunities. Through incubation and innovation support, research ideas can be developed into prototypes, products, services, and potential business opportunities.

Industry–University Collaboration

University strengthens its connection with industry through MoUs and other forms of industry collaboration. These partnerships create opportunities for academic and industrial interaction, including knowledge sharing, technical training, research collaboration, student development, and other mutually beneficial activities. The University also has industry-sponsored laboratories, which provide students with access to industry-relevant facilities and technologies. Such infrastructure helps bridge the gap between classroom learning and industrial requirements. The University also undertakes consultancy services, enabling its technical and academic expertise to contribute to practical industrial and societal needs.

Digital and Smart Infrastructure

The University is strengthening technology-enabled education through digital classrooms and smart classrooms. These facilities support interactive teaching and learning and provide students and faculty with access to digital resources and technology-enabled educational practices. Digital and smart infrastructure also supports the integration of modern technologies into teaching, learning, research, and institutional activities.

Sustainable Infrastructure

University promotes sustainable infrastructure through energy-efficient infrastructure and renewable-energy infrastructure. These initiatives help improve the efficiency of campus facilities and support the University's commitment to sustainable development. The integration of energy-efficient technologies and renewable energy into campus infrastructure demonstrates how modern infrastructure can be developed while considering environmental sustainability.

Technology Solutions for Nearby Villages

The University encourages the use of technology and innovation to address the needs of nearby villages. Students and faculty can apply their technical knowledge to identify local challenges and develop appropriate technology-based solutions. Such initiatives can connect

University research and innovation with community needs and promote the practical application of knowledge. This approach also provides students with opportunities to understand real-world problems and develop solutions that can create social impact.

Institutional Policies Supporting Innovation and Research

The University's commitment to innovation and research is supported through institutional policies, including an Innovation and Entrepreneurship Policy and a Research Policy. These policies provide an institutional framework for promoting research, innovation, entrepreneurship, and the development of new ideas and technologies. This policy support helps create an environment where students, faculty, researchers, and entrepreneurs can participate in innovation and research activities.



SDG 10 – REDUCED INEQUALITIES

10.1 Introduction

Sustainable Development Goal 10 aims to *reduce inequality within and among countries*. Inequality can affect people's access to education, employment, income, healthcare, technology, and other opportunities. SDG 10 focuses on creating a more inclusive society where everyone has equal opportunities to participate in social and economic life. The Goal promotes the social, economic, and political inclusion of all people. It gives special attention to people who are disadvantaged or vulnerable. SDG 10 also supports equal opportunities and calls for the removal of discriminatory practices. Policies and programmes should help reduce inequalities and improve the well-being of vulnerable groups. The Goal encourages safe and responsible migration and supports orderly and well-managed migration policies. It also promotes greater representation and participation of developing countries in global decision-making.

Financial and economic policies can also contribute to reducing inequality. Social protection, access to resources, and support for disadvantaged communities are important in this process. Universities can contribute to SDG 10 through inclusive education, scholarships, student support, disability inclusion, rural outreach, skill development, financial literacy, research, and equal opportunities.

10.2. UN targets

SDG 10 has ten targets covering income growth, social and economic inclusion, equal opportunities, migration, financial regulation, representation of developing countries, and development assistance.

Table 10.1: UN Targets for SDG 10

Target	Name of the target
10.1	Achieve and sustain income growth of the bottom 40 per cent of the population

10.2	Promote social, economic and political inclusion for all
10.3	Ensure equal opportunity and reduce inequalities of outcome
10.4	Adopt fiscal, wage and social protection policies for greater equality
10.5	Improve the regulation and monitoring of global financial markets and institutions
10.6	Ensure enhanced representation and voice for developing countries in global economic and financial decision-making
10.7	Facilitate orderly, safe, regular and responsible migration and mobility of people
10.a	Implement special and differential treatment for developing countries
10.b	Encourage official development assistance and financial flows to countries where the need is greatest
10.c	Reduce the transaction costs of migrant remittances

10.3 Contribution to SDG 10

Aditya University contributes to SDG 10 through inclusive education, equal opportunities, student support and community engagement. The University aims to reduce social, economic, educational and digital inequalities so that every student can participate and succeed.

The University supports economically weaker students through scholarships, academic resources, peer tutoring and mentoring. Digital literacy programmes, technology access and career guidance help reduce the digital and employment gaps. Accessibility measures, gender equality awareness and anti-discrimination activities promote a safe and respectful campus environment. Student participation in governance, awareness programmes, academic support initiatives and community outreach encourages inclusion and equal participation. Through these efforts, Aditya University follows the principle of “Leave no one behind” and works towards a more equitable and inclusive society.



SDG 11 – SUSTAINABLE CITIES AND COMMUNITIES

11.1 Introduction

Sustainable Development Goal 11 aims to *make cities and human settlements inclusive, safe, resilient, and sustainable*. Cities and communities are important centres for education, employment, economic activity, culture, and social development. As cities grow, they face challenges related to housing, transport, waste management, pollution, infrastructure, and environmental protection.

SDG 11 focuses on ensuring access to safe and affordable housing and basic services for all. It also promotes safe, affordable, accessible, and sustainable transport systems. The Goal encourages inclusive and sustainable urban planning. Communities should be planned in a way that supports the needs of different groups of people, including children, older persons, persons with disabilities, and vulnerable communities. SDG 11 also gives importance to protecting cultural and natural heritage. Reducing the environmental impact of cities is another important area, particularly through better air quality and responsible waste management.

Cities and communities also need to be prepared for disasters and climate-related risks. Building resilient infrastructure and improving disaster preparedness can help protect people and communities. Green and public spaces are important for healthy and inclusive communities. Access to parks, open spaces, and safe public areas can improve quality of life. Universities can contribute to SDG 11 through sustainable campus planning, green infrastructure, waste management, energy efficiency, transportation, research, innovation, community engagement, and awareness programmes.

11.2. UN targets

SDG 11 has ten targets covering housing, transport, urban planning, cultural and natural heritage, disaster resilience, environmental impact, green spaces, and sustainable urban development.

Table 11.1: UN Targets for SDG 11

Target	Name of the target
11.1	Ensure access for all to adequate, safe and affordable housing and basic services
11.2	Provide access to safe, affordable, accessible and sustainable transport systems for all
11.3	Enhance inclusive and sustainable urbanization and participatory planning and management
11.4	Strengthen efforts to protect and safeguard the world's cultural and natural heritage
11.5	Reduce the number of people affected and economic losses caused by disasters
11.6	Reduce the environmental impact of cities, including through improved air quality and waste management
11.7	Provide universal access to safe, inclusive and accessible green and public spaces
11.a	Support positive economic, social and environmental links between urban, peri-urban and rural areas
11.b	Increase the number of cities and human settlements adopting integrated policies and plans for inclusion, resource efficiency, climate action and disaster resilience
11.c	Support least developed countries in building sustainable and resilient buildings using local materials

11.3 Contribution to SDG 11

Smart City Technologies and IoT

The University promotes learning and project development in IoT, embedded systems, sensors, wireless communication and smart devices. These technologies can support smart lighting, environmental monitoring, waste management, water monitoring, energy management and public safety.

Wireless Communication and Connected Communities

The ECE Department develops knowledge in 5G/6G communication, antennas, MIMO systems, IoT networks and wireless sensor networks. These technologies support connected communities, smart transportation, emergency communication and digital services.

Intelligent Transportation

Students and faculty explore the use of sensors, communication systems and intelligent technologies for traffic monitoring, vehicle detection, intelligent traffic signals, accident detection and smart parking. These solutions can support safer and more sustainable transportation.

Environmental Monitoring

Sensor-based and IoT-enabled systems are used for learning and project development related to air quality, temperature, humidity, noise and water conditions. Such technologies help students understand environmental monitoring and informed decision-making.

Smart Energy and Renewable Energy

The University promotes energy-efficient technologies, smart energy monitoring, renewable-energy integration and intelligent control systems. Students can develop solutions for solar energy monitoring, energy management and efficient use of electricity.

Smart and Sustainable Campus

The campus provides opportunities for students to develop smart-campus applications such as automated lighting, energy monitoring, environmental sensing, security systems, water-level monitoring and IoT-based campus management.

Public Safety and Emergency Technologies

The Department promotes electronic safety systems, communication networks, sensors and emergency alert technologies. Student projects can address accident detection, fire and smoke detection, emergency notification, women's safety and disaster alerts.

Waste and Water Management

Students are encouraged to apply IoT, sensors and automation to waste management. Projects may include smart waste bins, waste-level monitoring, waste segregation and route optimization. Technology-based solutions can support water-level monitoring, leakage detection, water-quality sensing and automated water distribution. These projects help students understand efficient water-resource management.

Research and Innovation

Faculty and students undertake research in wireless communication, IoT, embedded systems, AI, sensor networks, automation and intelligent monitoring. These areas have applications in smart infrastructure, transportation, environmental monitoring, energy management and public safety.

Student Projects and Innovation

Students undertake mini-projects, major projects, prototypes, hackathons and innovation activities related to real-world problems. Areas include smart homes, smart agriculture, intelligent transportation, environmental monitoring, energy conservation and public safety.

Artificial Intelligence for Smart Communities

AI and ML applications are encouraged in areas such as traffic prediction, environmental analysis, energy optimization, predictive maintenance and intelligent monitoring. Combining AI, IoT and communication technologies supports the development of smart-community solutions.

Community Engagement and Rural Connectivity

The University extends its contribution to nearby rural and semi-urban communities through digital literacy, technology awareness, electronic safety and communication-related activities. Students can identify local problems and develop affordable technology solutions.

Digital Inclusion

The Department promotes communication and digital technologies that can improve connectivity and access to digital services. Activities related to wireless networks, IoT, assistive communication and mobile technologies can help reduce technological barriers.

Green Campus and E-Waste Awareness

The University promotes environmental responsibility, energy conservation and responsible use of electronic equipment. Students are also made aware of e-waste segregation, recycling, reuse and safe disposal of electronic devices.

Industry and Institutional Collaboration

Guest lectures, workshops, industrial visits, technical training, collaborative projects and research activities provide students with practical exposure to smart cities, IoT, automation, communication infrastructure and sustainable technologies.

Academic Programmes and Capacity Building

The ECE curriculum includes Communication Engineering, IoT, Embedded Systems, Signal Processing, VLSI, Electronics, AI and Machine Learning. These areas develop technical skills needed to address challenges related to sustainable cities and communities.

Sustainable Engineering Education

The Department encourages students to consider energy efficiency, environmental impact, affordability, accessibility, reliability and social benefit while developing engineering solutions. Seminars, workshops, projects and classroom discussions promote awareness of sustainable engineering and the SDGs.



SDG 12 – RESPONSIBLE CONSUMPTION AND PRODUCTION

12.1 Introduction

Sustainable Development Goal 12 aims to *ensure sustainable consumption and production patterns*. The way resources are produced, used, and discarded has a major impact on the environment and society. SDG 12 promotes the efficient use of natural resources and encourages responsible consumption and production. The Goal focuses on reducing waste and pollution throughout the production and consumption cycle. It promotes recycling, reuse, sustainable resource management, and better waste management practices. Food waste is also an important concern under SDG 12. Reducing food loss and waste can conserve resources and improve the efficiency of food systems.

The Goal encourages organisations and communities to adopt sustainable practices. Responsible purchasing, resource conservation, environmentally friendly products, and efficient use of energy and water can reduce environmental impacts. Proper management of chemicals and hazardous waste is another important area. Safe handling, treatment, and disposal can help protect people and the environment. SDG 12 also promotes awareness and access to information. Education can help individuals and organisations make responsible choices in their daily activities. Research, innovation, and technology can support sustainable production and consumption. New approaches can help reduce resource use, improve recycling, and develop more sustainable products and processes. Universities can contribute to SDG 12 through sustainable campus operations, waste reduction, recycling, responsible purchasing, research, education, audits, and community awareness.

12.2 UN targets

SDG 12 has eleven targets covering sustainable resource use, food waste, chemicals and waste management, recycling and reuse, sustainable business practices, public procurement, awareness, scientific capacity, sustainable tourism, and fossil-fuel subsidies.

Table 12.1: UN Targets for SDG 12

Target	Name of the target
12.1	Implement the 10-year framework of programmes on sustainable consumption and production
12.2	Achieve the sustainable management and efficient use of natural resources
12.3	Halve per capita global food waste and reduce food losses along production and supply chains
12.4	Achieve the environmentally sound management of chemicals and all wastes throughout their life cycle
12.5	Substantially reduce waste generation through prevention, reduction, recycling and reuse
12.6	Encourage companies to adopt sustainable practices and integrate sustainability information into their reporting cycle
12.7	Promote sustainable public procurement practices
12.8	Ensure that people everywhere have the relevant information and awareness for sustainable development and lifestyles in harmony with nature
12.a	Support developing countries to strengthen their scientific and technological capacity for sustainable consumption and production
12.b	Develop and implement tools to monitor sustainable tourism that creates jobs and promotes local culture and products
12.c	Rationalize inefficient fossil-fuel subsidies that encourage wasteful consumption

12.3 Contribution to SDG 12

Aditya University promotes responsible consumption and production through sustainable campus practices, resource conservation, waste management, research, awareness programmes, and environmental monitoring. The University encourages students, faculty, staff, and the surrounding community to use resources responsibly, reduce waste, reuse materials, and adopt environmentally friendly practices.

Awareness on Responsible Consumption and Production

Aditya University conducts awareness programmes for the community on responsible production and consumption. These programmes promote the importance of reducing waste, avoiding unnecessary consumption, reusing resources, recycling materials, and adopting sustainable practices. Students and staff can also participate in awareness activities that encourage responsible use of water, energy, paper, food, and other resources.

Research Contributions towards Responsible Consumption and Production

Students and faculty contribute through research and academic activities related to responsible production and consumption. Research and student projects can focus on areas such as waste reduction, recycling, resource efficiency, sustainable technologies, renewable energy, sustainable agriculture, water conservation, and environmentally friendly products. These activities help connect academic knowledge and research with practical sustainability challenges.

Use of Eco-Friendly Products and Materials

The University promotes the use of eco-friendly products and materials wherever appropriate. For example, the use of clay Ganesh idols instead of idols made from materials that may create environmental concerns promotes environmentally responsible practices. The University also creates awareness about reducing single-use plastics and encourages the use of more sustainable alternatives. Such practices help reduce waste and encourage environmentally responsible consumption.

Paper Reuse Policy

University promotes responsible use of paper through a Paper Reuse Policy. The policy encourages the reuse of paper wherever appropriate before it is sent for recycling. This helps reduce unnecessary paper consumption and supports efficient use of natural resources. Digital communication and documentation can also support the University's efforts to reduce paper consumption.

E-Waste Tracking and Recycling

The University promotes the responsible management of electronic waste generated from computers, electronic equipment, and other electrical and electronic items. E-waste can be tracked, segregated, and sent for appropriate recycling or disposal through authorized channels. Such practices help prevent improper disposal and support the recovery and recycling of valuable materials. Maintaining records of e-waste generation, collection, and recycling can provide useful evidence of the University's responsible resource management.

Food Waste Management

Aditya University takes measures for food waste management on campus. Food waste generated from campus food facilities and other activities can be collected separately and processed through appropriate methods. The University promotes awareness among students and staff to avoid unnecessary food wastage and consume food responsibly. The management of food waste helps reduce the amount of biodegradable waste sent for disposal.

Water Recycling and Treatment

The University promotes water treatment and recycling mechanisms as part of responsible resource management. Treated water can be reused for appropriate non-potable purposes, such as landscaping and gardening, wherever the infrastructure permits. Water recycling reduces the demand for fresh water and supports efficient use of available water resources.

Energy-Efficient and Low-Carbon Practices

Aditya University promotes efficient energy use through measures such as solar energy, LED lighting, battery-operated vehicles, and cycles. The use of LED lighting helps reduce electricity consumption, while solar energy supports the use of renewable energy. Battery-operated vehicles and cycles provide more sustainable options for campus transportation and can contribute to reducing dependence on conventional fuels.

Organic Garden and Conversion of Food Waste

The University maintains an organic garden as part of its sustainable campus practices. Organic waste and food waste can be converted into useful resources through vermicomposting and biogas mechanisms, where available. Vermicomposting converts suitable organic waste into nutrient-rich compost that can be used for gardening. Biogas systems can convert suitable organic waste into a useful energy resource. These practices demonstrate the principle of converting waste into a useful resource.

Hydroponic-Style Garden System

The University has a hydroponic-style garden system as an example of resource-efficient cultivation. The system demonstrates how plants can be grown using a structured vertical arrangement with potentially lower land requirements. Such systems can also demonstrate efficient use of water and available campus space. The garden provides an opportunity for students to observe and learn about innovative and resource-efficient production methods.

Avoiding Unnecessary Consumption

The University promotes the principle of avoiding unnecessary consumption of resources. Students and staff are encouraged to use water, electricity, paper, food, stationery, and other resources carefully. Reducing unnecessary consumption helps lower waste generation, conserve resources, and improve the overall sustainability of campus operations.

Chemical and Laboratory Waste Management

The University follows appropriate practices for chemical and laboratory waste management. Laboratory chemicals and waste materials need to be handled, stored, segregated, and disposed of safely according to applicable requirements. Proper laboratory waste management reduces environmental risks and promotes responsible use and disposal of materials used in teaching and research laboratories.

Green, Energy and Water Audits

University conducts Green Audits, Energy Audits, and Water Audits to monitor its resource use and identify opportunities for improvement. These audits help the University assess its environmental performance, identify areas of excessive consumption or waste, and

develop measures for better resource efficiency. The audit findings can also support continuous improvement in campus sustainability practices.



SDG 13 – CLIMATE ACTION

13.1 Introduction

Sustainable Development Goal 13 aims to *take urgent action to combat climate change and its impacts*. Climate change is one of the major challenges facing people and the planet. Rising temperatures, changing rainfall patterns, extreme weather events, and other climate-related risks can affect communities, ecosystems, agriculture, health, and economic development. SDG 13 focuses on strengthening resilience and adaptive capacity to climate-related hazards and natural disasters. It also promotes climate action through policies, planning, education, and public awareness.

Reducing greenhouse gas emissions is an important part of climate action. Energy efficiency, renewable energy, sustainable transport, responsible resource use, and protection of natural ecosystems can help reduce climate impacts. Climate education and awareness are also important. People need knowledge and skills to understand climate change and take responsible action. Research, technology, and innovation can support climate solutions. Institutions can contribute by developing new technologies, improving resource efficiency, and studying climate-related challenges. Universities have an important role in climate action through education, research, renewable energy, sustainable campus operations, carbon management, biodiversity activities, student participation, and community engagement.

13.2 UN targets

SDG 13 has five targets covering climate resilience, climate policies, climate education, capacity building, and support for developing countries.

Table 13.1: UN Targets for SDG 13

Target	Name of the target
13.1	Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters

13.2	Integrate climate change measures into national policies, strategies and planning
13.3	Improve education, awareness and human and institutional capacity on climate change mitigation, adaptation and impact reduction
13.a	Implement the commitment to mobilize climate finance for developing countries
13.b	Promote mechanisms for raising capacity for effective climate change-related planning and management in least developed countries and small island developing states

13.3 Contribution to SDG 13

Aditya University recognises climate change as an important global challenge. The University promotes climate action through education, research, renewable energy, sustainable campus practices, environmental awareness, and community engagement.

Green and Eco-friendly campus

Aditya University has a large green and eco-friendly campus. Several campus initiatives support climate-conscious operations. These include rooftop solar power, rainwater harvesting, energy-efficient infrastructure, a biogas plant, battery-operated vehicles, and integrated waste management. These initiatives help conserve natural resources and reduce the environmental impact of campus activities.

Renewable energy and solar power

Solar energy is an important part of the University's clean-energy initiatives. Solar panels have been installed on building rooftops with a reported power-generation capacity of 1,500 kW. Solar inverters and net-metering systems are also used. Excess electricity can be supplied to the grid. The use of solar energy helps reduce dependence on conventional electricity sources. It also promotes awareness of renewable energy among students and staff.

Biogas and organic-waste management

The University has a biogas plant for processing organic waste. The reported intake capacity is approximately 40 kg of organic waste per day. The plant converts organic waste into biogas. The reported production is approximately 4 m³ of biogas per day. This system helps divert organic waste from disposal and converts waste into useful renewable energy. It also demonstrates the practical use of waste-to-energy technology on campus.

Rainwater harvesting and water conservation

Aditya University promotes water conservation as part of its sustainability efforts. The campus has 14 rainwater-harvesting pits at suitable locations. Rainwater from rooftops and campus runoff is collected and directed towards groundwater recharge. This helps conserve groundwater and improve campus water resilience.

Green Environment Policy

The University has a Green Environment Policy to support responsible environmental management. The policy covers several areas, including: clean campus initiatives, solar power, rainwater harvesting, solid-waste management, E-waste management, environmental awareness, green audit, energy audit. These measures provide an institutional framework for sustainable and climate-conscious campus operations.

Energy efficiency and low-carbon practices

The University combines renewable energy with energy-efficient infrastructure. Solar power, energy-efficient systems, sustainable transportation, and waste-to-energy practices support the reduction of the campus environmental footprint. Battery-operated vehicles and other sustainable transport practices also support low-carbon campus operations.

Climate-related education

Climate and sustainability topics are included in academic learning. The course “Advances in Sustainable Development” covers sustainable development, environmental challenges, climate and resource issues, energy, water, food challenges, sustainability indicators, and the role of stakeholders. This helps students understand climate-related challenges and develop knowledge for sustainable development.

Climate-related research and innovation

The University promotes research and innovation in areas related to climate action. These include: green energy solutions, solar energy, biogas, electric vehicles, sustainable and precision farming, artificial intelligence and machine learning for sustainable solutions. These research areas support renewable energy, climate adaptation, environmental protection, and sustainable development.

Conferences and academic activities

The University conducts academic activities related to sustainable energy and climate action. For example, the advanced and global engineering challenges (AGEC-2026) conference included a focus on “Energy Efficiency, Renewable and Sustainable Energy.” Such academic events provide opportunities for students, researchers, faculty, industry professionals, and other participants to share ideas and explore sustainable technologies.

Community engagement and climate awareness

Aditya University extends its sustainability activities to surrounding communities through community engagement programmes such as Unnat Bharat Abhiyan. Students work with rural communities on areas such as environmental conservation, sanitation, healthcare, education, and community development. These activities provide opportunities to share environmental knowledge with communities and encourage sustainable practices at the grassroots level.



SDG 14 – LIFE BELOW WATER

14.1 Introduction

Sustainable Development Goal 14 – Life Below Water aims to *conserve and sustainably use the oceans, seas, and marine resources for sustainable development*. Its objective is to protect marine and coastal ecosystems, reduce pollution, promote the sustainable use of marine resources, and support the long-term health of aquatic ecosystems. Oceans cover most of the Earth’s surface and are essential for life on Earth. They provide food, livelihoods, and natural resources for millions of people. Marine and coastal ecosystems also support biodiversity and contribute to climate regulation. However, oceans and marine ecosystems face increasing pressure from marine pollution, plastic waste, untreated wastewater, industrial effluents, harmful chemicals, microplastics, overfishing, habitat destruction, ocean warming, and ocean acidification.

Pollution generated on land can also reach rivers, coastal areas, and oceans. Therefore, protecting life below water requires responsible action both on land and in marine areas. SDG 14 calls for action to reduce marine pollution, protect and restore marine and coastal ecosystems, promote sustainable fisheries, address ocean acidification, and strengthen scientific knowledge and cooperation.

14.2 UN Targets

SDG 14 has 10 targets covering marine pollution, ecosystem protection, sustainable fishing, ocean health, scientific research, and international cooperation. These targets provide a framework for protecting oceans, seas, and marine resources.

Table 14.1: UN Targets for SDG 14

Target	Focus on
14.1	Prevent and reduce marine pollution

14.2	Protect and restore marine and coastal ecosystems
14.3	Address ocean acidification
14.4	Promote sustainable fisheries
14.5	Conserve marine and coastal areas
14.6	Address harmful fisheries subsidies
14.7	Promote sustainable use of marine resources
14.a	Increase scientific knowledge and research capacity
14.b	Support small-scale fishers
14.c	Strengthen implementation of international ocean law

14.3 Contribution to SDG 14

Aditya University supports SDG 14 – Life Below Water through education, environmental awareness, research and practical campus activities. The University focuses on reducing water pollution, protecting aquatic ecosystems and promoting responsible use of water resources. Activities such as coastal clean-ups, campus pond conservation, plastic reduction, rainwater management and aquatic biodiversity awareness help students and the community understand the importance of protecting aquatic environments.

Academic Curriculum

Aditya University integrates SDG 14 concepts through its interdisciplinary academic curriculum. The B. Pharmacy programme includes Environmental Science, covering aquatic ecosystems, water resources and water pollution. The Agricultural Engineering programme includes topics related to water pollution and water quality, including water contamination, coastal saline ingress and water decontamination. These subjects help students understand water-related environmental challenges and the need to protect aquatic ecosystems.

Clean Coast, Healthy Ocean

Aditya University promotes the “Clean Coast, Healthy Ocean” initiative to create awareness about marine pollution and coastal ecosystem protection. Students, faculty members, NSS volunteers and Eco Club participants take part in beach and coastal clean-up

activities. These activities include the collection and segregation of plastic and other waste materials.

Marine Pollution Awareness

The University creates awareness among students and local communities about plastic pollution, wastewater and solid waste. The impact of these pollutants on aquatic and marine life is also highlighted. Such activities encourage responsible waste management and protection of water bodies.

Integrated Campus Pond Ecosystem

The University promotes the development and maintenance of campus ponds as small aquatic ecosystems. These ponds can support fish, turtles, ducks, aquatic plants and beneficial microorganisms. Regular pond maintenance and monitoring of water quality and biodiversity help demonstrate responsible aquatic ecosystem management.

Turtle Conservation Zone

Suitable campus ponds can be developed as Turtle Protection and Awareness Zones. Safe habitats, suitable vegetation and awareness signage can help students understand the ecological importance of turtles and other aquatic organisms.

Duck–Fish Integrated Aquaculture

Where appropriate, the University can demonstrate a carefully managed duck–fish integrated pond system. This model can help students understand integrated aquaculture and efficient use of resources. Proper management is important to maintain water quality and prevent excessive nutrient loading.

No Plastic Near Water Campus Policy

The University promotes protection zones around campus water bodies where single-use plastics, food packaging and litter are prohibited. Regular awareness activities and inspections can help prevent campus waste from entering drainage channels and nearby aquatic environments.

Campus-to-Ocean Pollution Prevention Programme

The University can strengthen pollution prevention by using drainage filters, litter traps and silt traps at suitable locations. These measures can help intercept plastics, sediments and other pollutants before they reach downstream water bodies.

Research and Innovation

The University encourages research and student projects related to water quality, pollution control, environmental sustainability and aquatic ecosystem protection. Interdisciplinary research can help develop practical solutions for water pollution and conservation.

Community Outreach

NSS, Eco Club, students and faculty members participate in environmental awareness and community-based activities. These activities can include awareness on water pollution, plastic reduction, waste management and conservation of aquatic ecosystems.

Rainwater Management

The University promotes rainwater harvesting and responsible rainwater management. Proper management of runoff can support groundwater recharge and help reduce the movement of pollutants into nearby water bodies.

Green Buffer Around Campus Water Bodies

Vegetated buffer zones can be maintained around ponds and drainage channels. These green areas can reduce soil erosion and help filter runoff before it enters water bodies.

Rainwater Runoff Management

Rain gardens, vegetated drainage channels, recharge pits and sedimentation areas can be used to slow and filter rainwater runoff. These measures can help reduce the movement of sediments, nutrients and litter into aquatic ecosystems.

Aquatic Plant Conservation

Suitable native aquatic and wetland plants can be maintained around campus ponds. They can provide habitat for aquatic organisms and help stabilize pond edges. Care should be taken to avoid the introduction of invasive species.



SDG 15 – LIFE ON LAND

15.1 Introduction

Sustainable Development Goal 15 aims to *protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, halt land degradation and biodiversity loss*. Land ecosystems are essential for life on Earth. Forests, grasslands, wetlands, and other terrestrial ecosystems support biodiversity and provide important resources for people and communities. SDG 15 focuses on protecting forests and other terrestrial ecosystems. It also promotes the conservation of biodiversity and the sustainable management of natural resources. Land degradation, deforestation, desertification, habitat loss, and biodiversity loss are major environmental challenges. These challenges can affect ecosystems, agriculture, water resources, climate, and human well-being.

The Goal encourages the restoration of degraded land and ecosystems. It also promotes the sustainable management of forests and the protection of natural habitats. Biodiversity is an important part of healthy ecosystems. Protecting plants, animals, and their natural habitats helps maintain ecological balance and supports life on land. Education, research, technology, and community participation can support the conservation of land ecosystems. Universities can contribute through biodiversity research, tree plantation, green campus initiatives, ecosystem restoration, environmental education, and community activities.

15.2 UN targets

SDG 15 has twelve targets covering terrestrial ecosystems, forests, mountains, land degradation, biodiversity, endangered species, invasive species, ecosystem resources, and sustainable financing.

Table 15.1: UN Targets for SDG 15

Target	Name of the target
15.1	Ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems
15.2	Promote sustainable management of all types of forests and halt deforestation
15.3	Combat desertification and restore degraded land and soil
15.4	Ensure the conservation of mountain ecosystems and their biodiversity
15.5	Reduce the degradation of natural habitats and halt the loss of biodiversity
15.6	Promote fair and equitable sharing of the benefits arising from the use of genetic resources
15.7	End poaching and trafficking of protected species of flora and fauna
15.8	Prevent the introduction and significantly reduce the impact of invasive alien species
15.9	Integrate ecosystem and biodiversity values into national and local planning and development processes
15.a	Mobilize and significantly increase financial resources to conserve and sustainably use biodiversity and ecosystems
15.b	Mobilize resources to finance sustainable forest management and provide incentives for developing countries
15.c	Enhance global support to combat poaching and trafficking of protected species

14.3 Contribution to SDG 15

Aditya University is committed to supporting SDG 14 – Life Below Water by promoting the conservation, sustainable management, and protection of aquatic ecosystems. Through its academic curriculum, environmental awareness initiatives, campus-based conservation practices, research, and community outreach programmes, the University creates opportunities for students and faculty to understand and address issues related to water

pollution, aquatic biodiversity, and sustainable water management. These initiatives collectively contribute to reducing pollution, protecting aquatic habitats, promoting responsible use of water resources, and fostering environmental stewardship within the campus and the wider community.

Academic Curriculum

Aditya University integrates concepts relevant to SDG 14 – Life Below Water through its interdisciplinary academic curriculum. The B. Pharmacy programme includes Environmental Science, which covers important topics such as aquatic ecosystems, water resources, and water pollution, creating awareness about the conservation and sustainable management of aquatic environments. Similarly, the Agricultural Engineering programme incorporates subjects related to Water Pollution and Water Quality, covering topics such as water contamination, coastal saline ingress, and water decontamination. These curriculum components equip students with knowledge and skills to address water pollution challenges and promote the protection and sustainable management of aquatic ecosystems.

Clean Coast, Healthy Ocean

Aditya University promotes the “Clean Coast, Healthy Ocean” initiative to create awareness about marine pollution and the importance of protecting coastal ecosystems. Students, faculty members, NSS volunteers, and Eco Club participants engage in beach and coastal clean-up activities, including the collection and segregation of plastic and other waste materials.

Marine Pollution Awareness

Creates awareness among students and local communities about plastic pollution, wastewater, solid waste and their impact on aquatic and marine life.

Integrated Campus Pond Ecosystem

Develop and maintain campus ponds as mini aquatic ecosystems supporting fish, turtles, ducks, aquatic plants and beneficial microorganisms. Regular monitoring of water quality, biodiversity and pond health can demonstrate sustainable aquatic ecosystem

management. Regular pond maintenance, prevention of waste and pollution, and responsible management of aquatic species contribute to maintaining healthy aquatic ecosystems.

Turtle Conservation Zone

Create a designated Turtle Protection and Awareness Zone around suitable campus ponds. Provide safe habitats, vegetation and signage explaining the ecological importance of turtles and other aquatic organisms.

Duck–Fish Integrated Aquaculture

Introduce a carefully managed duck–fish integrated pond system, where appropriate, to demonstrate integrated aquaculture and resource efficiency. The system should be managed to prevent excessive nutrient loading and deterioration of water quality.

No Plastic Near Water” Campus Policy

Establish water-body protection zones where single-use plastics, food packaging and litter are strictly prohibited. Conduct regular inspections and awareness campaigns to prevent campus waste from entering drainage channels and ultimately aquatic environments.

Campus-to-Ocean Pollution Prevention Programme

Install drainage filters, litter traps and silt traps at strategic points around the campus so that plastics, sediments and other pollutants are intercepted before reaching downstream water bodies.

Research and Innovation

Encourages interdisciplinary research and student projects addressing water quality, pollution control, environmental sustainability and aquatic ecosystem protection.

Community Outreach

Engages NSS, Eco Club, students and faculty in environmental awareness and community-based activities related to aquatic ecosystem conservation.

Rainwater Management:

Promotes rainwater harvesting and responsible management of rainwater runoff to support groundwater recharge and reduce pollutant transport.

Green Buffer Around Campus Water Bodies

Maintain vegetated buffer zones around ponds and drainage channels to reduce soil erosion and intercept runoff before it reaches the water.

Rainwater Runoff Management:

Use rain gardens, vegetated drainage channels, recharge pits and sedimentation areas to slow and filter stormwater runoff. This can reduce the movement of nutrients, sediments and litter into nearby aquatic ecosystems.

Aquatic Plant Conservation

Introduce suitable native aquatic and wetland plants around campus ponds to provide habitat for aquatic organisms and help stabilize pond edges. Care should be taken to avoid invasive species.



SDG 16 – PEACE, JUSTICE AND STRONG INSTITUTIONS

16.1 Introduction

Sustainable Development Goal 16 aims to *promote peaceful and inclusive societies, provide access to justice for all, and build effective, accountable and inclusive institutions at all levels*. Peace and justice are important for sustainable development. People need to live in safe and peaceful communities where their rights are respected and protected. SDG 16 focuses on reducing violence, protecting children, promoting the rule of law, and ensuring equal access to justice. It also addresses corruption, organised crime, and other practices that can weaken society and institutions. The Goal promotes effective and accountable institutions. Institutions should be transparent, responsible, inclusive, and responsive to the needs of people.

Public participation is also important. People should have opportunities to participate in decision-making and access information from public institutions. SDG 16 also promotes inclusive governance and equal access to justice. Strong institutions can help build trust, protect rights, and support social and economic development. Education plays an important role in promoting peace, justice, human rights, ethical behaviour, and responsible citizenship. Universities can contribute through education, awareness programmes, student participation, grievance mechanisms, ethical governance, research, and community engagement.

16.2 UN targets

SDG 16 has twelve targets covering violence, justice, organised crime, corruption, accountable institutions, inclusive decision-making, global governance, legal identity, public access to information, and fundamental freedoms.

Table 16.1: UN Targets for SDG 16

Target	Name of the target
16.1	Significantly reduce all forms of violence and related death rates everywhere

16.2	End abuse, exploitation, trafficking and all forms of violence against and torture of children
16.3	Promote the rule of law and ensure equal access to justice for all
16.4	Reduce illicit financial and arms flows, strengthen recovery of stolen assets and combat organized crime
16.5	Substantially reduce corruption and bribery in all their forms
16.6	Develop effective, accountable and transparent institutions at all levels
16.7	Ensure responsive, inclusive, participatory and representative decision-making at all levels
16.8	Broaden and strengthen the participation of developing countries in global governance institutions
16.9	Provide legal identity for all, including birth registration
16.10	Ensure public access to information and protect fundamental freedoms
16.a	Strengthen relevant national institutions to prevent violence and combat terrorism and crime
16.b	Promote and enforce non-discriminatory laws and policies for sustainable development

16.3 Contribution to SDG 16

Aditya University is committed to promoting peace, justice, transparency, accountability, ethical governance, and inclusive institutional practices in alignment with United Nations Sustainable Development Goal (SDG) 16 peace, justice and strong Institutions. The University fosters a safe, equitable, transparent, and participatory academic environment through institutional policies, student welfare mechanisms, ethical governance, constitutional values, grievance redressal systems, digital governance, legal awareness, and community engagement. The University adopts a holistic approach that strengthens institutional integrity while encouraging responsible citizenship and social justice.

1. Anti-Ragging, Student Safety and Inclusive Campus Practices

The University has established institutional mechanisms including Anti-Ragging Committees, Anti-Ragging Squads and monitoring mechanisms to prevent ragging and

promote student safety. Awareness programmes, orientation activities and pledge campaigns further strengthen a culture of dignity, inclusion and mutual respect. The University also maintains student welfare and support mechanisms covering mentoring, grievance support, academic assistance, counselling, financial aid guidance, equal opportunity initiatives and student engagement. These mechanisms support an inclusive and student-centred academic environment.

2. Academic Programmes and Capacity Building for Peace, Justice and Strong Institutions

Peace, justice, ethical responsibility, security, accountability and responsible decision-making are supported through academic programmes across different Schools of Aditya University. Relevant courses and programmes include:

i. School of Sciences – Forensic Science and Cyber Security & Digital Forensics: These programmes develop specialised knowledge and practical competencies in forensic investigation, digital evidence, cybercrime investigation, cybersecurity and digital forensics, contributing directly to scientific investigation, crime prevention, digital safety and the administration of justice.

ii. School of Pharmacy – B. Pharm: Pharmacy education develops professional knowledge and competencies related to medicines, pharmaceutical practice, regulatory requirements, ethical responsibilities and responsible professional conduct, contributing to safe and accountable healthcare practices.

iii. School of Engineering – B.Tech in Computer Science and Engineering: Computer Science and Engineering education develops competencies in computing, information technology and digital systems, supporting secure and responsible use of technology and strengthening institutional capacity in the digital environment and AI and Machine Learning education develops skills in emerging technologies, data-driven decision-making and intelligent systems, with potential applications in cybersecurity, public safety, responsible technology and efficient institutional processes.

The multidisciplinary nature of these programmes enables different Schools of the University to contribute to peace, justice, security, ethical professional practice, responsible technology and strong institutions through education, skill development and capacity building.

3. Cyber Security Awareness and Digital Safety

The University organizes cyber security awareness programmes, workshops, expert lectures, and awareness campaigns to educate students and employees about responsible digital behaviour. These activities enhance awareness regarding cyber hygiene, online privacy, digital ethics, cybercrime prevention, phishing, identity protection, password security, and safe use of digital technologies.

4. Nasha Mukti – Yuva Bharat Campaign

The University actively supports the Nasha Mukti – Yuva Bharat initiative by organizing awareness campaigns, pledge programmes, seminars, rallies, and outreach activities that discourage substance abuse among youth. These programmes promote responsible behaviour, healthy lifestyles, social responsibility, and active youth participation in building a drug-free society.

5. Community Awareness on Law, Rights and Social Responsibility

The University extends its outreach beyond the campus through legal awareness programmes, constitutional literacy drives, Road safety awareness drives, voter awareness campaigns, cyber safety awareness, anti-drug campaigns, and social responsibility initiatives in nearby communities. These programmes strengthen public awareness regarding justice, legal rights, civic responsibilities, and responsible citizenship.

6. Human Resource (HR) Policies and Ethical Workplace Practices

The University follows structured Human Resource (HR) policies that promote transparency, fairness, equal opportunity, ethical conduct, and professional development among employees. Institutional policies govern recruitment, service conditions, professional

ethics, performance appraisal, employee welfare, and workplace discipline, contributing to accountable and well-governed institutional administration. The University also promotes ethics and integrity among students, faculty, and staff through awareness programmes, academic regulations, codes of conduct, and professional ethics education. Students are encouraged to uphold honesty, accountability, fairness, respect for diversity, and ethical decision-making in academic, professional, and personal life.

7. Campus Security, Vigilance and Safe Institutional Environment

Aditya University maintains institutional mechanisms intended to provide a safe and secure campus environment. The University's campus information highlights 24/7 security, CCTV surveillance and zero-tolerance policies, contributing to campus safety and institutional security. The University's broader SDG 16 framework also includes anti-ragging mechanisms, grievance redressal, student welfare, ethical workplace practices, and inclusive institutional governance. These measures contribute to a culture of safety, accountability, mutual respect and institutional trust.

8. Internal Complaints Committee (ICC) for Gender Equality

The University has constituted an Internal Complaints Committee (ICC) to promote a safe, respectful, and inclusive campus environment. The Committee addresses complaints related to sexual harassment in accordance with applicable legal provisions and institutional regulations. Through awareness programmes and sensitization activities, the University promotes gender equality, dignity, and respect among all members of the campus community.



SDG 17 – PARTNERSHIPS FOR THE GOALS

1. Introduction

Sustainable Development Goal 17 aims to *strengthen the means of implementation and revitalize the global partnership for sustainable development*. Achieving the Sustainable Development Goals requires cooperation among countries, governments, institutions, communities, businesses, and civil society. Partnerships help bring together knowledge, skills, technology, financial resources, and experience.

SDG 17 focuses on strengthening international cooperation and supporting developing countries in achieving sustainable development. It promotes cooperation in areas such as finance, technology, capacity building, trade, and data. Partnerships can help institutions share knowledge and develop solutions to common social, economic, and environmental challenges. Strong collaboration can also support research, innovation, education, and community development.

Universities have an important role in SDG 17. Academic and research partnerships can support knowledge sharing, joint research, faculty and student exchange, innovation, and capacity building. Universities can also work with industries, government organisations, non-governmental organisations, communities, and international institutions. Such partnerships can help convert knowledge and research into practical solutions. SDG 17 also highlights the importance of reliable data and monitoring. Good data helps institutions understand development challenges, measure progress, and improve decision-making.

17.2 UN targets

SDG 17 has 19 targets covering finance, technology, capacity building, trade, policy coherence, partnerships, data, monitoring, and accountability.

Table 17.1: UN Targets for SDG 17

Target	Name of the target
17.1	Strengthen domestic resource mobilization
17.2	Developed countries to implement official development assistance commitments
17.3	Mobilize additional financial resources for developing countries
17.4	Assist developing countries in achieving long-term debt sustainability
17.5	Adopt and implement investment promotion regimes for least developed countries
17.6	Enhance international cooperation on science, technology and innovation
17.7	Promote the development, transfer and dissemination of environmentally sound technologies
17.8	Fully operationalize the technology bank and strengthen the use of enabling technologies
17.9	Enhance international support for capacity building in developing countries
17.10	Promote a universal, rules-based, open and non-discriminatory trading system
17.11	Increase the exports of developing countries
17.12	Realize timely implementation of duty-free and quota-free market access for least developed countries
17.13	Enhance global macroeconomic stability
17.14	Enhance policy coherence for sustainable development
17.15	Respect each country's policy space and leadership to establish and implement policies for poverty eradication and sustainable development
17.16	Enhance the global partnership for sustainable development
17.17	Encourage effective public, public-private and civil society partnerships
17.18	Enhance the availability of high-quality, timely and reliable data

17.19	Develop measurements of progress on sustainable development and strengthen statistical capacity
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17.3 Contribution to SDG 17

Institutional Commitment to Partnerships

Aditya University promotes partnerships as an important part of education, research, innovation and community development. The University encourages collaboration among academic departments, students, faculty, industries, government organizations, NGOs and international institutions. These partnerships support knowledge exchange and practical solutions to sustainable development challenges.

International Academic Partnerships

The University has established international academic partnerships through MoUs (Memorandums of Understanding), MoAs (Memorandums of Agreement), and LoIs (Letters of Intent). These agreements provide a framework for cooperation with universities and institutions in different countries. The partnerships support academic exchange, research collaboration, joint programmes, conferences and other educational activities.

International Relations Office

The International Relations Office coordinates international academic activities and supports the development of global partnerships. It facilitates university visits, international meetings, student exchange, faculty interaction, academic events and research collaboration. The office also supports opportunities for international learning and institutional cooperation.

Student and Faculty Exchange

International exchange activities provide students and faculty with opportunities to learn from different academic and cultural environments. These programmes encourage knowledge-sharing, professional development and global understanding. They also strengthen academic relationships between Aditya University and partner institutions.

Joint Research and Publications

The University promotes research collaboration with academic and institutional partners. Faculty members and students can work with external researchers on joint research, interdisciplinary studies, publications and innovation projects. These activities support the sharing of knowledge and contribute to sustainable development.

International Conferences and Academic Events

The University organizes and participates in international seminars, conferences, guest lectures, webinars and academic meetings. These events bring together experts, researchers, faculty members and students from different institutions. They provide opportunities to exchange ideas and discuss solutions to global challenges.

Dual-Degree and Semester-Exchange Opportunities

The international partnership framework includes opportunities for dual-degree programmes and semester exchange. Such arrangements can provide students with international academic exposure, access to different learning environments and opportunities to develop global competencies.

Erasmus+ and International Opportunities

The University explores international cooperation opportunities through programmes such as Erasmus+. These activities support institutional networking, academic mobility and capacity building. They also help the University develop stronger relationships with international academic partners.

Industry and Institutional Collaboration

Aditya University encourages collaboration with industries, professional bodies, government organizations and other institutions. Guest lectures, workshops, industrial visits, training programmes and collaborative projects help students connect academic knowledge with professional practice. These partnerships also support innovation and employability.

Leo Club and NGO Partnerships

The Leo Club supports community service and social responsibility activities. Through collaboration with NGOs and community organizations, students participate in outreach programmes that address social needs. These activities develop leadership, teamwork and civic responsibility.

Youth Red Cross Unit and Community Health Partnerships

The Youth Red Cross Unit collaborates with local blood banks, hospitals and community organizations. Blood donation camps are organized four to five times every year, with participation from local blood banks and Government General Hospital, Kakinada. The University also maintains a database of student volunteers who can support medical emergencies. These partnerships strengthen community health and welfare.

NSS, NCC, Scouts and Guides

NSS, NCC, Scouts and Guides provide opportunities for students to participate in community service and social activities. These units connect students with local communities and encourage teamwork, discipline and responsible citizenship. Community service is also included in the academic programme structure.

Aditya Learning Academy

The Aditya Learning Academy (ALA) extends educational opportunities beyond enrolled students. It offers skill enhancement and knowledge development courses for students, alumni, local residents and other interested individuals. ICT-enabled learning platforms improve access to education and support lifelong learning and employability.

Community Service Projects

Community Service Projects connect students with real-world problems and local communities. The documented projects include water conservation, rainwater harvesting, traffic management, construction materials, solar panels, recycling and environmental awareness. These activities encourage students to apply academic knowledge to community needs.

Faculty Capacity Building and SDG Sensitisation

The University conducts SDG sensitisation programmes and faculty development activities. These programmes help Deans, Heads of Departments, committee convenors and faculty members understand the SDGs and integrate sustainability into teaching and research. An expert lecture by Prof. Sridhar Pabbisetty of MIT-World Peace University, Pune, is one example of knowledge-sharing through academic collaboration.

Knowledge Sharing and Lifelong Learning

The University promotes knowledge-sharing through expert talks, workshops, seminars, academic programmes and community learning activities. These initiatives help students, faculty, alumni and community members gain new knowledge and skills. They also strengthen cooperation between the University and wider society.

SDG-Based Academic Collaboration

The University maps student projects, faculty research and community outreach activities to relevant SDGs. This approach encourages departments and institutions to work together on sustainability-related challenges. It also helps connect academic learning with practical community needs.

Important Partnership Areas and Functionality

The following areas should receive special attention in the final handbook because they provide strong evidence of collaboration:

Table 17.2 : Partnerships and Collaborative Activities

Partnership area	Functionality
International universities	MoUs, MoAs and LoIs
International Relations Office	University visits, exchange programmes and international events
Research partners	Joint research, publications and academic collaboration
Industry partners	Training, workshops, industrial visits and professional exposure
Leo Club	NGO and community service partnerships

Youth Red Cross Unit	Blood banks, hospitals and blood donation camps
NSS, NCC, Scouts and Guides	Community service and student participation
Aditya Learning Academy	Education and skill development for the wider community
Community Service Projects	Student projects addressing local problems
Faculty development	SDG sensitisation and expert knowledge-sharing programmes

