

Sustainable Development Goals (SDGs) integrated Curriculum

This document presents the systematic mapping of academic courses with the United Nations Sustainable Development Goals (SDGs), reflecting the University’s commitment to sustainability, social responsibility, and global development. The integration of SDGs across curricula fosters interdisciplinary learning, critical thinking, and the development of responsible global citizens aligned with national and international priorities.



SDG 1: NO POVERTY

Integrating SDG 1 (No Poverty) into the curriculum enables students to understand the causes and dimensions of poverty. It promotes awareness of inclusive growth, livelihood development, and social protection mechanisms. Students gain insights into policy interventions and community-based development approaches. This integration fosters socially responsible graduates committed to equitable development.



List of Courses mapped to SDG 1:

S.No	Course Title	Name of the Program
1	AGRICULTURAL ECONOMICS	Bachelor of Arts
2	RURAL SOCIOLOGY AND EDUCATIONAL PSYCHOLOGY	B.Sc. (Honors) Agriculture
3	FARMING BASED LIVELIHOOD SYSTEMS	B.Sc. (Honors) Agriculture

SDG 2: ZERO HUNGER

Incorporating SDG 2 (Zero Hunger) helps students understand food security, sustainable agriculture, and nutrition challenges. The curriculum strengthens awareness of rural development and modern agricultural practices. Learners analyze food systems and policy frameworks. This supports sustainable solutions to hunger and malnutrition.



List of Courses mapped to SDG 2:

S.No	Course Title	Name of the Program
1	PRINCIPLES OF FOOD PRESERVATION	B.Sc. (Food Technology)
2	HUMAN PHYSIOLOGY AND NUTRITION	B.Sc. (Food Technology)
3	DIETARY SUPPLEMENTS AND NUTRACEUTICALS	B.Pharmacy
4	FOOD ADDITIVES AND ADULTERANTS	B.Sc. (Food Technology)

SDG 3: GOOD HEALTH AND WELL-BEING

SDG 3 emphasizes health, well-being, and disease prevention. Integrating this SDG builds awareness of public health systems and healthcare challenges. Students understand the importance of healthy lifestyles and preventive care. This contributes to improved community health outcomes.



List of Courses mapped to SDG 3:

S.No	Course Title	Name of the Program
1	HEALTH & ENVIRONMENTAL ECONOMICS	Bachelor of Arts
2	YOGA	All B.Tech. Programs
3	MOLECULAR BIOLOGY	B.Tech. - Biotechnology
4	OVERVIEW OF HEALTHCARE MANAGEMENT	Master of Business Administration
5	ARTIFICIAL INTELLIGENCE FOR HEALTHCARE	B.Tech. - Artificial Intelligence & Data Science
6	HEALTHCARE BIOTECHNOLOGY	B.Tech. - Biotechnology

SDG 4: QUALITY EDUCATION

SDG 4 promotes inclusive and equitable quality education. Curriculum integration enhances lifelong learning, skill development, and educational access. Students understand the role of education in sustainable development. This strengthens academic and societal progress.



List of Courses mapped to SDG 4:

S.No	Course Title	Name of the Program
1	QUALITY ASSURANCE	Bachelor of Pharmacy
2	TOTAL QUALITY MANAGEMENT	Bachelor of Business Administration
3	RESEARCH METHODOLOGY ETHICS AND SCIENTIFIC WRITING	All B.Tech Programs

SDG 5: GENDER EQUALITY

SDG 5 focuses on gender equality and empowerment. Integrating this SDG fosters awareness of social inclusion, equity, and human rights. Students analyze gender-related challenges and policy responses. This supports inclusive and balanced development.



List of Courses mapped to SDG 5:

S.No	Course Title	Name of the Program
1	HUMAN VALUES, GENDER EQUALITY AND PROFESSIONAL ETHICS	All UG Programs
2	WOMEN AND LAW	BBA. LLB.
3	CRIMINAL LAW	BBA. LLB.

SDG 6: CLEAN WATER AND SANITATION

SDG 6 emphasizes clean water and sanitation for all. Curriculum integration promotes sustainable water management and hygiene practices. Students gain awareness of water conservation and public health linkages. This supports environmental sustainability.

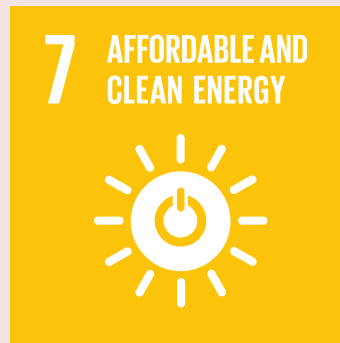


List of Courses mapped to SDG 6:

S.No	Course Title	Name of the Program
1	SOIL AND WATER CONSERVATION ENGINEERING	B.Sc. (Hons.) Agriculture
2	WATER RESOURCES ENGINEERING	B.Tech. - Civil Engineering
3	PHYSICO-CHEMICAL PROCESSES FOR WASTE WATER TREATMENT	M.Sc. (Chemistry)
4	ENVIRONMENTAL ENGINEERING	B.Tech. - Civil Engineering

SDG 7: AFFORDABLE AND CLEAN ENERGY

SDG 7 highlights affordable and clean energy solutions. Integrating this SDG builds understanding of renewable energy and energy efficiency. Students explore sustainable power systems and technologies. This supports clean energy transitions.

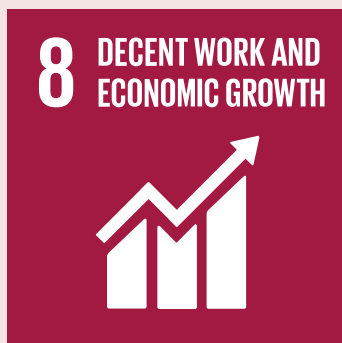


List of Courses mapped to SDG 7:

S.No	Course Title	Name of the Program
1	ENERGY MANAGEMENT AND GREEN BUILDINGS	B.Tech - Electrical and Electronics Engineering
2	AI AND IOT FOR GREEN INTEGRATION	B.Tech - Electrical and Electronics Engineering
3	GRID INTEGRATION OF RENEWABLE ENERGY RESOURCES	B.Tech - Electrical and Electronics Engineering
4	RENEWABLE ENERGY SOURCES	B.Tech - Electrical and Electronics Engineering
5	ENERGY STORAGE SYSTEMS AND TECHNOLOGIES	B.Tech - Mechanical Engineering

SDG 8: DECENT WORK AND ECONOMIC GROWTH

SDG 8 promotes decent work and economic growth. Curriculum alignment enhances employability, entrepreneurship, and workforce readiness. Students understand economic systems and labor standards. This contributes to sustainable economic development.



List of Courses mapped to SDG 8:

S.No	Course Title	Name of the Program
1	BUSINESS ETHICS AND CORPORATE GOVERNANCE	Master of Business Administration
2	HUMAN RESOURCE MANAGEMENT	Master of Business Administration
3	LABOUR LEGISLATION	Bachelor of Business Administration
4	LABOUR LAW-1 & 2	BBA. LLB.
5	INTRODUCTION TO MACROECONOMICS	Bachelor of Arts
6	INDIAN ECONOMY - PROBLEMS AND POLICIES	Bachelor of Arts

SDG 9: INDUSTRY, INNOVATION AND INFRASTRUCTURE

SDG 9 focuses on innovation, industry, and infrastructure. Integrating this SDG strengthens technological development and research skills. Students explore sustainable industrial practices. This supports resilient infrastructure growth.



List of Courses mapped to SDG 9:

S.No	Course Title	Name of the Program
1	IIOE 4.0 FOR AUTOMATION AND ROBOTIC SYSTEMS	M.Tech. (Robotics & Automation)
2	TRANSPORT PROCESS IN BIOLOGICAL SYSTEMS	B.Tech. - Biotechnology
3	FERMENTATION TECHNOLOGY	B.Tech. - Biotechnology
4	MODERN MANUFACTURING PROCESSES	B.Tech. - Mechanical Engineering
5	INDUSTRIAL IOT GATEWAY APPLICATION DEVELOPMENT	B.Tech. - Electrical and Electronics Engineering
6	INDUSTRIAL INTERNET OF THINGS	B.Tech. - Internet of Things
7	MICROBIAL TECHNOLOGY	B.Tech. - Biotechnology
8	INDUSTRIAL PHARMACY - I & II	B.Pharmacy

SDG 10: REDUCED INEQUALITIES

SDG 10 addresses reducing inequalities within and among societies. Curriculum integration builds awareness of social justice and inclusive policies. Students analyze inequality drivers and solutions. This promotes equitable development.



List of Courses mapped to SDG 10:

S.No	Course Title	Name of the Program
1	PUBLIC POLICY	Bachelor of Arts
2	INDIAN CONSTITUTION	All B.Tech Programs
3	INDIAN ECONOMY - PROBLEMS AND POLICIES	Bachelor of Arts
4	INTERNATIONAL HUMAN RIGHTS LAW	BBA. LLB.

SDG 11: SUSTAINABLE CITIES AND COMMUNITIES

SDG 11 emphasizes sustainable cities and communities. Integrating this SDG promotes urban planning, resilience, and sustainability awareness. Students understand smart city concepts and community development. This supports sustainable urban growth.



List of Courses mapped to SDG 11:

S.No	Course Title	Name of the Program
1	SUSTAINABLE DESIGN & SOCIAL INNOVATION IN SMART MANUFACTURING	B.Tech. - Mechanical Engineering
2	SUSTAINABLE ARCHITECTURE - I & II	Bachelor of Architecture
3	DESIGN FOR SUSTAINABILITY	M.Tech - Machine Design
4	SUSTAINABLE CONSTRUCTION TECHNOLOGY	B.Tech - Civil Engineering
5	URBAN DESIGN	Bachelor of Architecture

SDG 12: RESPONSIBLE CONSUMPTION AND PRODUCTION

SDG 12 focuses on responsible consumption and production. Curriculum integration encourages sustainable resource use and waste reduction. Students analyze production systems and consumer behavior. This supports environmental responsibility.



List of Courses mapped to SDG 12:

S.No	Course Title	Name of the Program
1	CROP IMPROVEMENT - I & II	B.Sc. (Honors) Agriculture
2	FARMING SYSTEMS AND SUSTAINABLE AGRICULTURE	B.Sc. (Honors) Agriculture
3	DOWNSTREAM PROCESSING	B.Tech. - Biotechnology
4	ENVIRONMENTAL IMPACT ASSESSMENT AND LIFE CYCLE ANALYSES	B.Tech. - Civil Engineering

SDG 13: CLIMATE ACTION

SDG 13 highlights climate action and environmental protection. Integrating this SDG builds awareness of climate change impacts and mitigation strategies. Students understand adaptation and sustainability practices. This supports climate resilience.



List of Courses mapped to SDG 13:

S.No	Course Title	Name of the Program
1	ECOLOGY AND ENVIRONMENT	All Programs
2	CLIMATE RESPONSIVE ARCHITECTURE	B.Arch
3	ENVIRONMENTAL POLLUTION CONTROL METHODS	All B.Tech Programs
4	EXPLORING OUR RESPONSES TO CLIMATE CHANGE	All B.Tech Programs
5	ENVIRONMENTAL SCIENCES	B.Pharmacy

SDG 14: LIFE BELOW WATER

SDG 14 focuses on life below water and marine conservation. Curriculum integration promotes awareness of aquatic ecosystems and biodiversity. Students analyze marine sustainability challenges. This supports ocean conservation.



List of Courses mapped to SDG 14:

S.No	Course Title	Name of the Program
1	SOIL AND WATER CONSERVATION ENGINEERING	B.Sc. (Honors) Agriculture
2	PROCESSING OF AQUATIC FOODS	B.Sc.(Food Technology)

SDG 15: LIFE ON LAND

SDG 15 emphasizes life on land and ecosystem protection. Integrating this SDG builds awareness of biodiversity conservation and land management. Students understand sustainable environmental practices. This supports ecological balance.



List of Courses mapped to SDG 15:

S.No	Course Title	Name of the Program
1	DISASTER MANAGEMENT	Bachelor of Arts
2	SOIL FERTILITY MANAGEMENT	B.Sc. (Honors) Agriculture
3	SOLID WASTE MANAGEMENT AND LANDFILLS	M.Tech. - Geotechnical Engg
4	URBAN TRANSPORTATION SYSTEMS PLANNING	B.Tech. - Civil Engineering
5	EARTHQUAKE RESISTANT DESIGN OF STRUCTURES	M.Tech. - Structural Engineering

SDG 16: PEACE, JUSTICE AND STRONG INSTITUTIONS

SDG 16 promotes peace, justice, and strong institutions. Curriculum integration enhances governance, ethics, and rule of law awareness. Students understand institutional frameworks. This supports social stability.



List of Courses mapped to SDG 16:

S.No	Course Title	Name of the Program
1	INTERNATIONAL RELATIONS: THEORIES AND CONCEPTS	Bachelor of Arts
2	INTERNAL SECURITY	Bachelor of Arts
3	BUSINESS ETHICS AND CORPORATE GOVERNANCE	Master of Business Administration
4	SECURITY GOVERNANCE AND MANAGEMENT	Master of Computer Applications
5	ADMINISTRATIVE LAW	BBA. LLB.

SDG 17: PARTNERSHIPS FOR GOALS

SDG 17 focuses on partnerships for sustainable development. Integrating this SDG promotes collaboration and global engagement. Students understand multi-stakeholder approaches. This strengthens sustainable outcomes.



List of Courses mapped to SDG 17:

S.No	Course Title	Name of the Program
1	STRATEGIC MANAGEMENT	Bachelor of Business Administration
2	ADVERTISING AND PUBLIC RELATIONS	B.Sc.(Animation & Gaming)
3	INTERNATIONAL RELATIONS	Bachelor of Arts