



Enable | Enlighten | Enrich

KARPAGAM
ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1956)

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(Accredited with A+ Grade by NAAC in the Second Cycle)

Pollachi Main Road, Eachanari Post, Coimbatore - 641 021, Tamil Nadu, India.

Phone : 0422 - 2980011 - 14 | Email : info@kahedu.edu.in

Prof. Dr. S.RAVI, Ph.D.
REGISTRAR

List of Dedicated courses (full degrees, or electives) that address sustainability and the SDGs

M. Arch. Courses Related to SDG Goals

1. Course Name: Advanced Design Studio – Sustainable Architecture
- SDG 11: Sustainable Cities and Communities
This course focuses on sustainable architectural practices for urban and rural areas, promoting community well-being and resilience through environmentally conscious design.
2. Course Name: Research Methodology in Environmental Design
- SDG 13: Climate Action
Provides students with research skills to analyze environmental impacts, promoting climate-resilient architectural practices.
3. Course Name: Advanced Elective – Resource-Efficient Building Systems
- SDG 12: Responsible Consumption and Production
Elective focused on reducing resource usage in building systems, emphasizing efficient and sustainable construction practices.
4. Course Name: Field Studies in Community Design
- SDG 11 & SDG 3: Sustainable Cities and Communities & Good Health and Well-being
Fieldwork that allows students to design community-oriented spaces, fostering health and social cohesion.

B.E. Civil Engineering Courses Related to SDG Goals

1. Course Name: Disaster Management (22BECE401)
- SDG 11: Sustainable Cities and Communities & SDG 13: Climate Action
Focuses on risk assessment, disaster resilience, and urban planning to mitigate the impacts of climate change on communities.
2. Course Name: Environmental Engineering (22BECE541)
- SDG 6: Clean Water and Sanitation & SDG 14: Life Below Water
Covers water purification, waste treatment, and pollution control methods to protect water bodies and ensure clean water access.
3. Course Name: Hydrology and Water Resources Engineering (22BECE504)
- SDG 6: Clean Water and Sanitation





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Teaches sustainable water management techniques to support water conservation and distribution.

4. Course Name: Civil Engineering - Societal and Global Impact (22BECE551)

- SDG 11 & SDG 9: Sustainable Cities and Communities & Industry, Innovation, and Infrastructure

Examines the societal role of civil engineering in supporting sustainable infrastructure for urban development.

5. Course Name: Surveying and Geomatics (22BECE341)

- SDG 15: Life on Land

Introduces students to land surveying and geospatial techniques that support land conservation and responsible land use.

6. Course Name: Materials Testing and Evaluation (22BECE411)

- SDG 12: Responsible Consumption and Production

Covers sustainable use and testing of construction materials, emphasizing durability and resource conservation.

7. Course Name: Hydraulic Engineering (22BECE542)

- SDG 13: Climate Action & SDG 9: Industry, Innovation, and Infrastructure

Focuses on sustainable water infrastructure and flood control methods, supporting climate adaptation.

8. Course Name: Professional Practice, Law, and Ethics (22BECE505)

- SDG 16: Peace, Justice, and Strong Institutions

Discusses ethical frameworks and regulatory standards for civil engineering, promoting responsible governance.

B. Pharm curriculum

1. Environmental Sciences (B. Pharm curriculum) - This course aligns with SDG 13 (Climate Action) and SDG 15 (Life on Land). It covers topics such as environmental pollution, biodiversity conservation, and sustainable resource use.

2. Social and Preventive Pharmacy (B. Pharm curriculum) - This course aligns with SDG 3 (Good Health and Well-being), as it focuses on improving health through preventive measures and societal awareness.





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3. Bio Nanotechnology (B.Sc. Microbiology curriculum) - This elective aligns with SDG 9 (Industry, Innovation, and Infrastructure) due to its focus on advancing technology and innovation in the biological sciences.

These courses incorporate SDG principles into their objectives, aiming to educate students on relevant social, environmental, and health-related challenges.

B.Tech. Biotechnology

The specific course and Sustainable Development Goals (SDGs) identified in the B.Tech Biotechnology program include:

1. Course Name: Environmental Studies

- SDG Focus: This course aligns with multiple SDGs, particularly:

- SDG 6 (Clean Water and Sanitation): Through topics on water conservation, watershed management, and pollution control measures.

- SDG 13 (Climate Action): By addressing climate change, global warming, and sustainable practices.

- SDG 15 (Life on Land): With sections on biodiversity conservation, deforestation, and the impact of environmental laws.

2. Course Name: Waste Management & Upcycling

- SDG Focus: Primarily supports:

- SDG 12 (Responsible Consumption and Production): By teaching sustainable waste management techniques, recycling, and upcycling methods.

3. Course Name: Precision Medicine & Wellness

- SDG Focus: Contributes to:

- SDG 3 (Good Health and Well-being): Through coursework on health technologies, wellness, and precision medicine advancements.

4. Course Name: Water Resources

- SDG Focus: Related to:

- SDG 6 (Clean Water and Sanitation): The course covers water resource management, conservation, and equitable use.

5. Course Name: Biodiversity and Its Conservation

- SDG Focus: Linked to:

- SDG 15 (Life on Land): This course educates on biodiversity conservation, habitat protection, and sustainable land use practices.

For details: Refer the curriculum of the respective programmes in <https://kahedu.edu.in/academics/>



S.R.v

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