



University : Karunya Institute of Technology and Sciences
Country : India
Web Address : <https://karunya.edu/>

[6] Education and Research (ED)

[6.1] Number of Courses/Subjects Related to Sustainability Offered

Programs	No. of courses offered during 2024-25	No. of courses offered related to Sustainability (Social, Environmental, Cultural and Economics) during 2024-25	Notes	Syllabus link https://karunya.edu/academics
B.Tech. (Civil Engineering)	39	21	SDG Group Analysis - 3D Style View Social: 36.2%, Economic: 29.0%, Environmental: 34.8%, Cultural: 9.9%	https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
B.Tech. (Mechanical Engineering)	60	25	SDG Group Analysis - 3D Style View Social: 37.0%, Economic: 28.0%, Environmental: 36.0%, Cultural: 9.0%	https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
B.Tech. (Aerospace Engineering)	47	20	SDG Group Analysis - 3D Style View Social: 41.0%, Economic: 39.5%, Environmental: 17.0%, Cultural: 2.5%	https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing



B.Tech. (Computer Science and Engineering)	119	30	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
B.Tech. (Computer Engineering)	54	25	SDG Group Analysis - 3D Style View https://drive.google.com/file/d/1Q7fwuun6-DtuutqbU5nGMZt1kr6hYl3F/view?usp=drive_link
B.Tech. (Artificial Intelligence and Data Science)	57	28	SDG Group Analysis - 3D Style View https://drive.google.com/file/d/16OVsO_E23DJH3-BW1fMssxyDBOuXZaTZ/view?usp=drive_link
B.Tech. CSE (Artificial Intelligence)	30	16	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
B.Tech. CSE (Artificial	32	18	https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing



Intelligence and Machine Learning)			SDG Group Analysis - 3D Style View ers/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
B.Tech. (Electronics and Communication Engineering)	59	20	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
B.Tech. (Electrical and Electronics Engineering)	34	12	https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
B.Tech. (Electronics and Computer Engineering)	58	26	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing

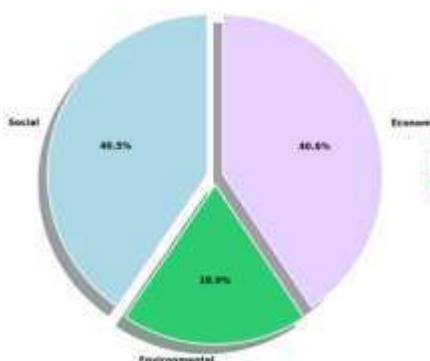
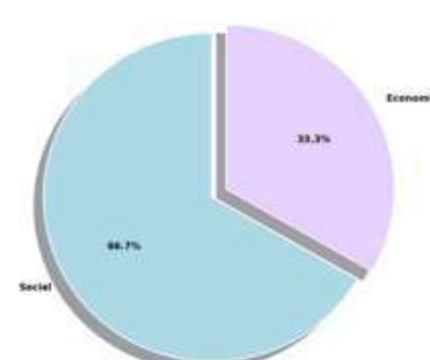
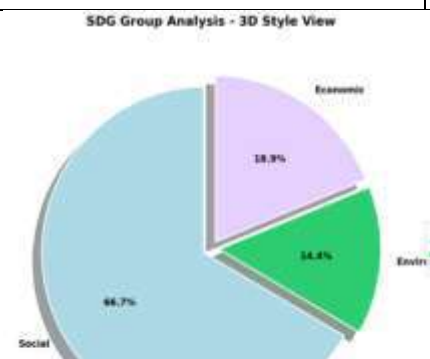
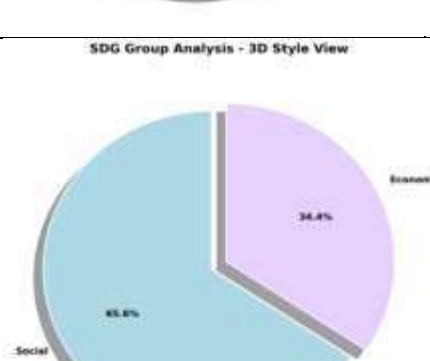


B.Tech. (Biomedical Engineering)	46	20	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
B.Tech. (Robotics and Automation)	51	26	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
B.Tech. (Biotechnology)	60	40	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
B.Tech. (Food Processing and Engineering)	59	36	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing



M.Tech. (Structural Engineering)	11	7	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
M.Tech. (Integrated Water Resources management)	12	9	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
M.Tech. (Aerospace Engineering)	21	8	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
M.Tech. (Computer Science and Engineering)	18	9	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing



M.Tech. (Cyber Security)	18	9	SDG Group Analysis - 3D Style View  https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
M.Tech. (VLSI Design)	16	11	SDG Group Analysis - 3D Style View  https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
M.Tech. (Biomedical Instrumentation)	19	10	SDG Group Analysis - 3D Style View  https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
M.Tech. (Robotics and Automation)	18	13	SDG Group Analysis - 3D Style View  https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing



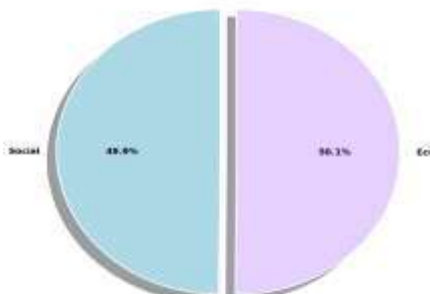
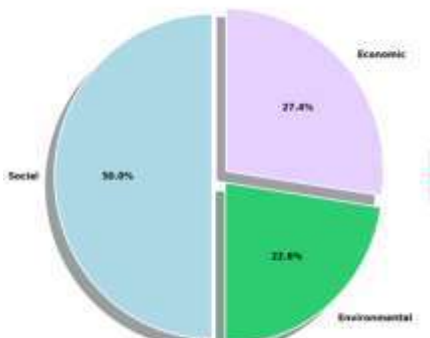
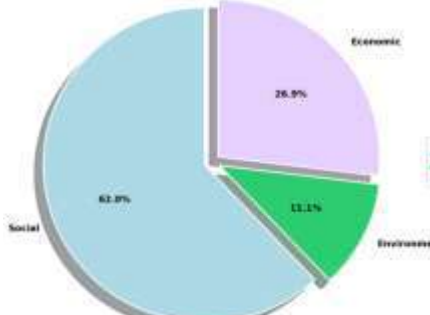
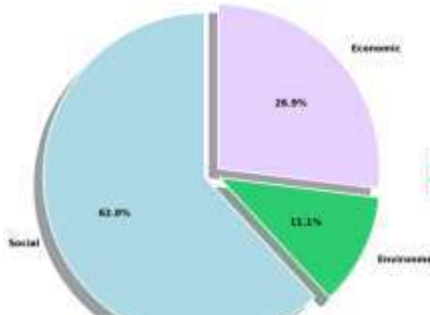
M. Tech (Biotechnology)	16	9	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
M.Tech. (Food Processing and Engineering)	19	12	https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
B.Sc. (Hons) Agriculture	73	40	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
M.Sc. (Agri.) in Agronomy	19	10	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing



M.Sc. (Agri.) in Genetics & Plant Breeding	18	10	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
M.Sc. (Hort.) in Fruit Science	19	10	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
B.Sc. (Information Security and Digital Forensics)	46	30	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
B.Sc. Computer Science	50	30	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing

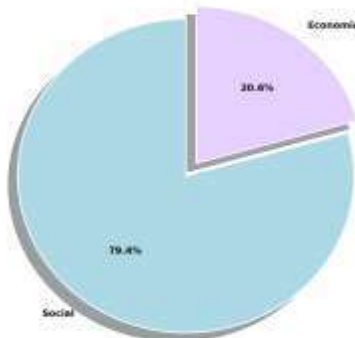
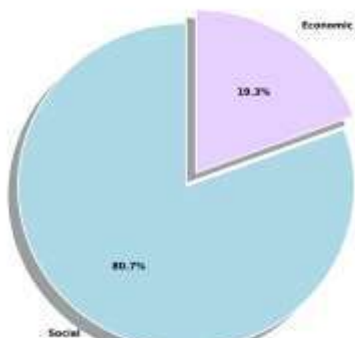
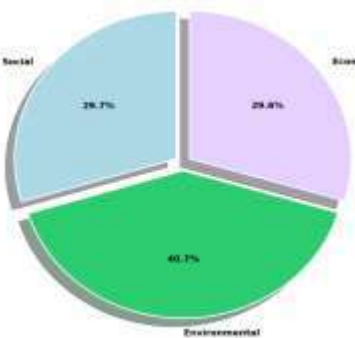
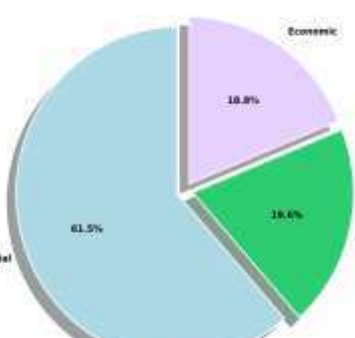


B.Sc. Optometry	14	11	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
B.Sc. Forensic Science	34	26	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
BA (Criminology)	10	8	SDG Group Analysis - 3D Style View https://docs.google.com/document/d/18KQstAsnFpBT-X8tdlfBEIUHPXm7tTQ/edit?usp=drive_link&ouid=101614694182881431191&rtpof=true&sd=true
B.Sc. Visual Communication (Spln. in Multimedia and Animation)	2	2	https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
B.Sc. Computer Science and Media Production	24	12	https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing

			SDG Group Analysis - 3D Style View 
BBA	7	5	SDG Group Analysis - 3D Style View  https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
B.Com.	35	23	SDG Group Analysis - 3D Style View  https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
B.Com. (Financial Technology)	35	23	SDG Group Analysis - 3D Style View  https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing

B.Com. (Banking and Capital Market)	35	23	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
M.Sc. (Biotechnology)	23	14	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
M.Sc. (Food Science and Technology)	17	12	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
M.Sc. (Artificial Intelligence and Data Science)	31	20	SDG Group Analysis - 3D Style View https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing



M.Sc. (Information Security and Digital Forensics)	31	20	SDG Group Analysis - 3D Style View  https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
M. Sc. (Forensic Science)	16	8	SDG Group Analysis - 3D Style View  https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
M. Sc. (Chemistry)	14	7	 https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
MBA	91	45	SDG Group Analysis - 3D Style View  https://drive.google.com/drive/folders/18PJ8VT6pP299pFixzd7D5ZT4ZoKiv-8U?usp=sharing
Total no. of Courses		1617	
Total no. of courses related to sustainability		849	
% courses related to sustainability		52.50%	

**Description:**

As part of Mission, in addition to core engineering and technology courses, KITS offers courses related to environmental sustainability and climate action in relation to SDGs.

KITS offers courses specifically related to climate change and environmental sustainability that are linked to officially recognized credits by University Grant Commission, All India Council of Technical Education, India and Indian Council of Agriculture Research. These courses lead to the award of an officially recognised qualification that specifically refers to environmental sustainability.

KITS has a structured curriculum offering 849 courses for the academic year 2024-2025 on issues related to Sustainability (Social, Environmental, Cultural and Economics) which include integrity, dedication, inclusiveness, commitment, justice, harmony and a sense of belonging among students. Many courses are offered across disciplines, creating awareness on a host of issues pertaining to security issues in food, water, healthcare and sustainable energy, social and gender justice, constitutional rights, and work ethics.

The campus with 40% greenery has a rich biodiversity serving as a habitat for several indigenous plants endemic to Western Ghats, migratory bird species and a host of insects. Students are introduced to the diversity of flora and fauna through several courses offered, highlighting nature conservation. KITS has introduced green solutions for natural resources conservation, rainwater harvesting, sewage treatment, paper recycling, solar energy harnessing, biogas production creating an environment with a target of achieving SDGs. Courses on Cleaner Production and Sustainable Development, Renewable Energy and Green Technology and Sustainable Building Concepts and Design are offered for students across disciplines. (M. Tech – Integrated Water Resource Management) Undergraduate and Post Graduate Programs in Food Processing and Engineering and Biotechnology. Courses on natural resources management and environment conservation is offered by the School of Agriculture and Biosciences (B.Sc- Agricultural Science) Students earn non-academic credits for extension activities related to nature clubs in the areas of aqua, solid waste management, environment, green campus and community health in which more than 1000 students are involved.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

[www.karunya.edu/iqac/Rankings/UI GreenMetric/Education & Research/6.1 Additional.pdf](http://www.karunya.edu/iqac/Rankings/UI%20GreenMetric/Education%20&%20Research/6.1%20Additional.pdf)