University : Karunya Institute of Technology and Sciences
Country : India
Web Address : www.karunya.edu

[6] Education and Research (ED)

[6.11] Number of events related to sustainability

Total number of sustainability/environment related events in:
2022-23: 77
2023-24: 101
2024-25: 53

A total average per annum over the last 3 years of 77 events (e.g. conferences, workshops, awareness raising, practical training, etc.).

2024-25			
S.No	Name of the Event	Date	No. of Participants
1	Workshop on Entrepreneurship and Innovation as Career Opportunity	11/22/2024	40
2	National Science Day	02/28/2025	47
3	Smart India Internal Hackathon	09-04-24	402
4	Poster Presentation – "Successful Entrepreneurs"	11/13/2024	33
5	Industry-Academia Strategy Conclave (IASC 2024)	10/18/2024	20
6	Impact of 5G Network Towards Career and Entrepreneurial Development	10/15/2024	70
7	AeroVenture Art	09-11-24	56
8	Poster and Project Presentation: Innovating with AI and Emerging Technologies in Smart Cities	09-11-24	28
9	Indian Missile Development Programme	11-07-24	200
10	National Symposium on Sustainable Smart Cities Innovation for a Greener Future Aligned with SDGs	09/30/2024 to 10-01-2024	62
11	Community Outreach	01/25/2025	10
12	National Energy Conservation Day(India)	12/17/2024	88
13	Independence Day- Celebrating Aazadi Ka Amritkal	08/15/2025	125
14	Venture Verse	03/17/2025	80
15	PHRONESIS '25	03/22/2025	33
16	Social Entreprenuership	03/14/2025	75

17	Women Entrepreneurship development Program (WEDP)	04/22/2025 to 05/21/2025	5
18	Practical AI applications with NVIDIA tools and hardware for Product development	02/14/2025	34
19	Hydrothon - A Water Hackathon	02-12-2025 to 02/13/2025	120
20	IN TE RNATIONAL BUS IN ESS COLLOQUIUM (IBC) SP RIN G - 2025	02/25/2025	75
21	Patenting Farm Based Invention: Challenges, Opportunities And Carrer Scope	02-12-25	122
22	Personal care products using honey and beeswax	03/21/2025	27
23	Commercialization of lab Technologies & Tech Transfer	10-04-24	64
24	Entrepreneurship and New Venture Creation	02/14/2025	40
25	Minimum Viable Product	07-01-2025 to 07/31/2025	42
26	International Business Colloquium A Quantitative Lens on Global Trade Dynamics	10/30/2024	70
27	Hands on Training on Terrarium and Candle making	03/21/2025	68
28	Hands On Training on Clay Modelling and Resin Art	03/21/2025	49
29	Production Technology of Mushrooms	03/21/2025	36
30	Workshop on Business Analytics	02/27/2025	74
31	Generative AI Bootcamp-Shape Tomorrow Today!	04-03-2025 to 04-04-2025	42
32	Understanding Corporate Expectations & Entrepreneur Mindset: Keys to Professional Success	03-12-25	127
33	Food Fortification The Indian Experience: Innovation, Regulation & Scale-Up Pathways	11-06-24	200
34	From Vision to Venture	08/28/2025	65
35	Redefining leadership in the digital era	07/28/2025	75
36	TECHFEUD	03/21/2025 to 03/22/2025	130
37	Amaravathi Quantum Valley Internal Hackathon	08/26/2025	17
38	Unlocking the Skies: Femto Satellite Workshop.	21/08/2024	30
39	How to be successful as a student	31/01/2025	150
40	Unlocking Academic Excellence	12/03/2025	150
41	Career Guidance for Aerospace Engineering Students	18/03/2025	56
42	Production and Design Process of an aircraft	14/04/2025	150
43	From First Year To First Job: Lesson Beyond Classroom	18.02.2025	58
44	Navigation Your Career And Emerging Trends in IT	14.02.2025	188
45	Hashes Over Roses	14.02.2025	102

46	Immersive AR & VR Technologies	18-02-2025 and 19.02.25	27
47	AI in Industries: The Future is Now! – Latest Trends, Impacts & Growth Opportunities	21.02.2025	252
48	Navigating the Digital Era: Strategies for thriving in a connected world	11.1.2025	30
49	Big Data Analytics and BI	25/02/2025	40
50	Nuts and Bolts of Entrepreneurship and Startups – Unleash the Innovator in You	17-02-2025	30
51	Importance of Data Science in Everyday Life	2nd August 2024	75
52	Modern Day Antennas and its Applications using FEKO	15-10-2024	17
53	Secrets of Neural Networks	04th November 2024.	38

2023-24			
S. No	Name of the Event	Date	No. of participant
1	Startup Ecosystem in Aerospace Sector and its Futuristic Opportunities	28-07-2023	65
2	Aviation and Aerospace in 2047	10-11-2023	250
3	Latest Trends in Concrete technology	24-07-2023	61
4	Strong, Durable,Sustainable and Green Concrete Construction	07-08-2023	31
5	Skill Development Program on Field Practices in Masonary and Bar Bending for Local Community	04-09-2023	59
6	Digital Construction using BIM	06-10-2023	56
7	Engineers Day - Technical Talk	15-09-2023	36
8	Importance of upskilling Built Environment Professionals - India	07-10-2023	56
9	Uncover the Skills-in-demand in India's Growing Infrastructure Industries	13-10-2023	48
10	Demo/practical session on Modeling of RCC and Steel structures (STAAD Pro)	09-11-2023	30
11	Sustainability practices in Concrete Technology	07-12-2023	47
12	Integration of Earth Observations with Isotopes in Water Resources Management	08-12-2023	56
13	Cost Estimation and Quantity surveying	12-12-2023	40
14	Development of Cellular Foam concrete for construction	09-01-2024	52
15	Application of NDT in Repair and Rehabilitation	12-01-2021	57
16	Regulations and Licensure in Civil Engineering	22-03-2024	42

17	Field Investigation in Geotechnical Engineering.	04-04-2024	53
18	Conditional Assessment of RCC Structures using Non-Destructive Testing Techniques	05-04-2024	39
19	A webinar on Design Impact	19-02-2024	80
20	A Webinar on "Electrifying Your Future"	18-03-2024	49
21	Add-on Course on "5G Power Amplifier Design Using AWR Software"	17-08-2023	48
22	Certificate Course on Microwave Office for RF Engineers	28-07-2023	66
23	International Conference on Computer Vision and Internet of Things (ICCVIOT)	07-12-2023	58
24	7th International Conference on Devices, Circuits and Systems (ICDCS'24)	23-04-2024	64
25	Inauguration of KITS IEEE SPS Student Branch Chapter cum Innovative Project Expo & Ideathon Poster presentation	18-08-2023	50
26	Launching Samsung PRISM program	04-10-2023	74
27	Seminar on Emerging Trends, Technologies & Applications of Antennas	28-07-2023	30
28	Seminar on "Electronics in India: A Journey through Advancement and Implications"	21-09-2023	151
29	Seminar on Unlocking Global Recognition: Explore Awards,Achievements in IEEE for young Technocrats	12-02-2024	34
30	Seminar on "Innovation ignited : Design thinking for start-up success"	01-03-2024	53
31	Basic level training programme on "Digital circuit design using Cadence Tool	04-09-2023	33
32	Training Program on "Digital IC Design and Verification using Cadence Tools"	26-02-2024	21
33	Insights into antenna Simulation-CST	24-02-2024	8
34	Hands on Training - Intelligent Machines for Real Time Applications	21-03-2024	33
35	One Day Training program on High Power Applications	03-04-2024	11
36	Two Days Hands on Training Session on ASIC Design Flow using Mentor Graphics Software	17-04-2024	11
37	A National level workshop on Research Opportunities in "Semiconductor Materials and Devices" ROSMD-2023	16-10-2023	30
38	3 days' Workshop on "Innovate with Raspberry Pi"	31-08-2023	18
39	Two days National workshop on Analog IC Design & Verification using Cadence Tools	22-01-2024	40
40	Workshop on CloudPlatforms for Integrated IoT	11-03-2024	23
41	Demo session to verify the functionalities and to provide feedback on the "smart board"	27.06.2023	14
42	Drone Technology Training	05.07.2023	22
43	Intel Online Workshop on The Journey from Cloud to Edge	06.07.2023	41

44	Educational Data Mining: A model for predicting the academic performance of students	27.07.2023	62
45	Seminar on Improving Lifetime of Wireless Sensor Network in Dynamic Environments Using Machine Learning Techniques	27.07.2023	14
46	Altair Data Science Package	02.08.2023	22
47	AWS Cloud Solutions Architect	26.8.23	30
48	"Virtual Learning and Capacity Building"	07.09.2023	1077
49	Comprehensive literature survey seminar on Early Detection of Deep Vein Thrombosis Using AI Techniques	15.09.2023	30
50	Webinar on Insights on Cloud Security	16.10.2023	120
51	Seminar on A Deep Learning Based Gastrointestinal Cancer Detection and Classification	03.11.2023	39
52	Seminar on Arthritis severity detection and classification from images using machine learning techniques	22.11.2023	31
53	GASTRIC-Cancer Classification In Endoscopic Images Using Deep Learning Models	14.12.2023	42
54	Enhancing Email Security: A Comparative Analysis of Machine Learning Algorithms for Spam Detection	14.12.2023	48
55	A Comprehensive Study on Intelligent Models on Eye disease Classification	20.12.2023	37
56	A Comprehensive Review of Recent Artificial Intelligence (AI) Techniques And IoT Applications For Precision Livestock Farming	22.01.2024	59
57	Detection & Prevention of Cyber Security challenges with Machine Learning techniques	23.01.2024	53
58	PrintFusion: Unleash Your Creativity in 3D	21.02.2024	12
59	Preparing the next Generation of Innovators & Creators in Immersive Technologies (AR & VR)"	29.02.2024	55
60	Cybersecurity in Focus: Exploring AI-driven Intrusion Detection Systems	16.04.2024	40
61	Early Prediction of Heart Disease in Healthcare Communities using Intelligent Computational Techniques	16.04.2024	50
62	Building Generative AI Solutions on Intel Technologies	27.04.2024	10
63	Investigations on Deep Learning based Diagnosis and Treatment Recommendations for Ischemic Retinal Diseases	29.04.2024	29
64	Detection of Cyber-Attacks on Healthcare Physical Systems using AI	29.04.2024	30
65	AI on the PC(AI running on standalone computer devices)	13.05.2024	5
66	An efficient hybrid deep learning optimization algorithm for leveraging distributed snapshots in cloud computing environment	14.05.2024	24
67	Block Survey Hackathon	26.2.2024	26
68	Mastering the Fundamentals of 3D Modeling using Blender	22.3.2024	150

69	Seminar on "Gen AI In Industry Perspective"	30.8.2024	60
70	Seminar on Digital Forensics: Tools and Investigation	13.3.2024	43
71	Seminar on the Application security and Ethical Hacking	27.2.2024	26
72	Unlocking Professional pathways: Matching your skill with career opportunities	26.3.2024	170
73	WORLD FOOD DAY 2023. Water is life, water is food. Leave no one behind.	17-10-2023	250
74	FEED INNOVATION 2023	18-10-2023	250
75	Spice Processing Technology: An Industry Perspective	16/111/2023	30
76	Practical ways to use Digital marketing in Agriculture Business	27.02.2024	45
77	Commercial Ventures in Agriculture	21.02.2024	598
78	Thermal Imaging for Infield Crop Water Mapping and Precision Irrigation	06.02.2024	294
79	Imaging Crop Phenomics through Artificial Intelligence	01.11.2023	325
80	Salt Water Intrusion: Challenges and Opportunities in Coastal Agricultural Ecosystems"	31.10.2023	147
81	Training of Trainers Workshop on Google Earth Engine (GEE) and its applications in natural resources management	04.07.2023	15
82	Guest Lecture - The Trends in Primary and Secondary Market	04-08-2023	41
83	Orientation on Analytics fpr Business Managers	03-08-2023	60
84	NLP for Managers	19-08-2023	120
85	Fireless Cooking	09-11-2023	200
86	Empowering Educators:Harnessing AI and ICT Tools For Research Excellence	14-10-2023	45
87	Credit Assessment Using MDA	10-10-2023	42
88	Unlocking the power of EBSCO for Impactful Research	13-12-2023	182
89	A recent trends in learning and development	23-09-2023	80
90	Introduction to Finanacial and cost analysis and Interpretation	12-12-2023	100
91	Dynamic Leadership in a Global World	01-02-2024	110
92	Quantitative and Qualitative Research- Exploring Approaches and Tools	21-03-2024	100
93	Design Thinking	23-04-2024	95
94	Seminar on Concepts and Career Opportunities in Forensic Science	22-09-2023	120
95	International workshop on Zotero Software and Bibliography Management	20-02-2024	100

96	Seminar on Polymeric Semiconductors for Flexible Organic Optoelectronics	05-02-2024	80
97	International seminar on Bio-materials as a next generation Nanomedicine for Diabetes Treatment	24-04-2024	90
98	National Conference on Forensic Science and Technology (NCFST-2023)	09-03-2023	385
99	2nd International Conference on Frontiers in Chemical Sciences (ICFCS-2023	26-10-2023	200
100	Webinar on "IPR- Patenting Innovations into Inventions"	24-01-2024	60
101	National Science Day Panel Discussion on "Indigenous Technologies for Viksit Bharat"	28-02-2024	150

2022-23			
S.No	Name of the Event	Date	No. of participants
1	One Day Hands-on Workshop on Non-Destructive Testing in Aerospace Applications	6.9.2022	41
2	Workshop on "Design and Development of Quadcopter Drone for Payload Delivery"	13.2.2023 - 14.2.2023	65
3	3D PRINTING TECHNOLOGY	12.4.2023 - 13.4.2023	108
4	Technical Talk on "Basics of Air Conditioning"	15.09.2022	28
5	Webinar on Innovation/Prototypte Validation - Converting Innovation into Startup	17.09.2022	40
6	Industry Expert Talk on CFD in Industry	19.09.2022	50
7	Webinar on Product Development	03.11.2022	134
8	Seminar on Insight on Latest CAE Tools and its Capabilities	07.11.2022	52
9	TURBULENCE MODELS	08.11.2022 - 11.11.2022	50
10	Webinar on The basics of NVH end of Line Measurement Analysis	09.11.2022	45
11	Workshop on Training for the Mechanical students in "Autodesk Fusion 360"	10.11.2022	65
12	Training Class on Lean Six Sigma Green Belt	06.11.2022 & 09.11.2022	25
13	Training Class on Certified 9001:2018 Internal Auditor	11.11.2022 - 12.11.2022	25
14	Seminar on Improving Energy Efficiency Using Computational Fluid Dynamics (CFD)	16.11.2022	36
15	Seminar on Insights on the Casting Process	17.12.2022	39
16	Seminar on Role of Mechanical Engineer in Cyber Security	31.01.2023	50
17	Session on on Achieving Problem-Solution Fit and Product-Market Fit	31.01.2023	121
18	Orientation on CREO 9.0 Software	10.02.2023	10

19	Seminar on Protection System for Armoured Fighting Vehicles	21.02.2023	122
20	Workshop on Touch and Learn Robots	21.02.2023 - 22.02.2023	121
21	Seminar on Fuel Cells and Simulation Model	21.03.2023	81
22	Seminar on Introduction to Design Optimization Using Optimus Software	28.03.2023	39
23	Hands-on workshop on "Component Identification, Test Equipment Handling, Soldering"	19.10.2022- 21.10.2022	30
24	Skill Development Program on "Antenna Prototyping & Testing"	12.10.2022	16
25	Introduction to Chip Design Ecosystem	14.10.2022	186
26	Designing PCB layout for Analog and Digital circuits with TINA Design Suite	18.10.2022 - 19.10.2022	15
27	Hands-on workshop on "Component Identification, Test Equipment Handling, Soldering"	1.2.2023 to 3.2.2023 , 23.2.2023 to 25.2.2023	58
28	Embedded Systems in Healthcare	10.10.2022	75
29	Radiological Equipments	17.10.2022	103
30	Receptors of Human Body	15.09.2023	35
31	Anatomy and Physiology of Eye	17.09.2023	35
32	Hands on Training in Machine Learning	21.02.2023	39
33	Bioprinting and Bio fabrication Applications - An Entrepreneurial Approach	16.02.2023	75
34	AI in Healthcare	22.02.2023	71
35	Robot Operating Systems by Rigbetel Labs, Pune	01.8.2022 to 05.8.2022	27
36	Innovation in AI and ML to become an Effective Entrepreneur	18.10.22	51
37	Webinar On Java Full Stack Development & Software Testing by Team from Edubridge, Chennai	21-03-2023	51
38	Seminar on Micro aerial drones for defence by Mr. Vasanth Kanesh RA, IITK	08.03.23	110
39	Seminar on Autonomous Bots by AICRA	10.03.23	113
40	Basics of Probability Theory and Application to Generative Modelling	29.03.2023	38
41	Cyber Heist- The Ultimate CTF Challenge	24,25.03.2023	33
42	Hand on Workshop on IoT	24,25.03.2023	406
43	Virtual Reality (VR) Development with Unity 3D: from design to deployment	09,10.03.2023	170
44	Detection and Classification of Melanoma using Deep Learning	09.03.2023	45

45	How safe are we in the Digital Era?	03.03.2023	45
46	Cybersecurity Career Prospects	16.02.2023	93
47	Smart Mobility, Web3 and Decentralized Applications using Intel® AI Analytics Framework	10.02.2023	21
48	Abstractive Query focused Multi-Document Summarization	06.02.2023	38
49	webinar on "Confidential Computing: Intel's Approach and Solutions Through Technology Offerings	23.11.2022	24
50	Workshop on Wi-Fi Hacking	03.11.2022	27
51	Google Cloud Innovator' s Hive at Next '22	12.10.2022	1
52	Successful Career Planning, Higher Education & Technical Profile Building	11.10.2022	370
53	Computer Aided Diagnosis for Pancreatic Cancer Tissue Using Artificial Intelligence	28.09.2022	50
54	Tech Scientia	15.09.2022	1920
55	Introduction to Artificial Intelligence and Intel tools for developing AI/ML solutions"	29.08.2022	37
56	Future trends in Engineering and associated job opportunities in Australia	17.08.2022	117
57	Research Challenges in Bio Inspired Computing	08.08.2022	59
58	Intelligent Indoor Asset Positioning and Navigation system for smart industries	01.06.2022	30
59	One Day Workshop on Opportunities in Agripreneurship	01.09.2022-01.09.2022	105
60	International Microorganism Day (IMD'2022)	19.09.2022-19.09.2022	64
61	Ideathon 22 – Entrepreneurship for Bioengineers	10.11.2022-10.11.2022	61
62	Industry Academia Interaction	16.02.2023 & 17.03.2023	450
63	Swacch Bharat Abhiyan Clean India Campaign 2.0 - NSS	15.10.2022	250
64	Aid on Demand (First Aid Training) - Rotaract	1.7.2022	23
65	Hand of Care - A Community-based Project - Rotaract	15.8.2022	35
66	Teachers Day - Tree Saplings Distribution	5.9.2022	33
67	Close the Care Gap I & II (Awareness Webinar on Breast Cancer Prevention)	6.10.2022	35
68	Basic Life Support Training Session (Online) - International First Aid Day	9.10.2022	35
69	Waste to Wealth : Waste Paper Recycling Plant - Nature	21.1.2023	197
70	Importance of Health and Ill Effects of Drugs - YRC	30.7.2022	327
71	Training on Solid Waste Management - Rotaract	10.9.2022	9

72	Tree sapling plantation- Rotaract	15.4.2023	50
73	Parthenium Eradication Campaign- Rotaract	21.1.2023	200
74	Road Safety Awareness - Rotaract	15.10.2022	270
75	Anti Mosquito Campaign - Rotaract	15.10.2022	250
76	Autism Awareness: Epilepsy Awareness - Rotaract	15.4.2023	200
77	Tree Plantation Drive - NCC	1.7.2022	50

Workshop on Entrepreneurship and Innovation as Career Opportunity

The workshop on "Entrepreneurship and Innovation as a Career Opportunity" was organized for the students to inspire and motivate them to consider entrepreneurship as a viable career path. Since students had already been introduced to entrepreneurship through their "Activate" course, this session aimed to deepen their understanding and ignite their entrepreneurial spirit. The speaker engaged the students through interactive discussions, case studies, quizzes, and poster activities, making the session both informative and engaging.

National Science Day

National Science Day is observed annually on February 28 in India to honour the discovery of the 'Raman Effect'. National Science Day is celebrated nationwide with theme-based scientific communication events. According to the National Council of Science Museums, an autonomous body under the Union Ministry of Culture, the National Council for Science and Technology Communication (NCSTC).

Poster Presentation – "Successful Entrepreneurs"

The "Successful Entrepreneurs" Poster Presentation was conducted as a part of the Entrepreneurial Activities Series to nurture innovation and entrepreneurial thinking among students. Organized by the Division of Physical Sciences at Karunya Institute of Technology and Sciences (KITS), this event encouraged students to explore the qualities and strategies of well-known entrepreneurs and express them through creative poster presentations.

Impact of 5G Network Towards Career and Entrepreneurial Development

The seminar titled **"Impact of 5G Network Towards Career and Entrepreneurial Development"** was to equip first-year ECE students with crucial insights into the impact of 5G technology on career growth and entrepreneurial opportunities. The session aimed to highlight the importance of developing essential skills such as technical expertise, problem-solving abilities, and obtaining industry-relevant certifications to thrive in the 5G job market. It also sought to explore how 5G technology is fostering innovation and opening new avenues for start-up ventures, encouraging students to consider entrepreneurship. Additionally, the seminar provided guidance on building a personal brand and expanding professional networks through platforms like LinkedIn. By discussing funding opportunities for start-ups within the 5G ecosystem, the seminar aimed to inspire students to leverage these advancements for future growth and innovation. Ultimately, the session aimed to prepare students for the evolving technological landscape and equip them with the strategies to succeed.

Indian Missile Development Programme

The objective of the event, "Indian Missile Development Programme", organized by the Division of Aerospace Engineering at Karunya Institute of Technology and Sciences in association with the Institution's Innovation Council (IIC), was to commemorate Missile Day by highlighting India's advancements in missile technology and their strategic importance. The session, delivered by G Raja Singh Thangadhurai, aimed to inspire students and faculty by showcasing milestones in indigenous missile development under visionary leaders like Dr. APJ Abdul Kalam. Additionally, it emphasized the role of entrepreneurship and strategic innovation in driving self-reliance in defense technologies, fostering innovation among young engineers.

National Symposium on Sustainable Smart Cities Innovation for a Greener Future Aligned with SDGs

This symposium aims to foster a platform for dialogue, knowledge sharing, and collaboration among policymakers, urban planners, researchers, and industry experts to discuss and promote sustainable smart cities. The event will focus on innovative solutions that align with the United Nations Sustainable Development Goals (SDGs), emphasizing environmental sustainability, social equity, and economic prosperity. This symposium aims to foster a platform for dialogue,

knowledge sharing, and collaboration among policymakers, urban planners, researchers, and industry experts to discuss and promote sustainable smart cities. The event will focus on innovative solutions that align with the United Nations Sustainable Development Goals (SDGs), emphasizing environmental sustainability, social equity, and economic prosperity.

National Energy Conservation Day(India)

The seminar, " Futuristic Green Energy Technologies," by Mr. James Solomon, aimed to enlighten Mechanical Engineering students on the necessity of utilizing Green Energy in India. As part of the National Energy Conservation Day celebration, Mr. James provided a comprehensive overview of various technologies available for cleaner energy production such as hydrogen production and its utilization in various fields. Also, Mr.James emphasized sustainability and future carbon sequestration technologies for sustainability.