Karunya INSTITUTE OF TECHNOLOGY AND SCIENCES
(Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)
MoE, UGC & AICTE Approved
NAAC A++ Accredited

Training on Environmental Aspects of Sustainability

The Training Division, in association with the Internal Quality Assurance Cell (IQAC) and various centers of excellence - including the Water Institute, Centre for Renewable Energy, Food Processing and Training Centre, IPR Cell, and Innovation & Incubation Cell - organizes a wide range of training programs, workshops, seminars, and conferences. These initiatives are designed to build capacity among students, faculty, and stakeholders while contributing to sustainability and SDG awareness.

Environmental Sustainability (SDGs 6, 7, 9, 11, 12, 13, 14, 15)

The institution has conducted several programs focusing on environmental conservation, sustainable technologies, and climate action. These initiatives contribute to:

- **SDG 6** – Clean Water and Sanitation
- **SDG 7** – Affordable and Clean Energy
- **SDG 9** – Industry, Innovation and Infrastructure
- **SDG 11** – Sustainable Cities and Communities
- **SDG 12** – Responsible Consumption and Production
- **SDG 13** – Climate Action
- **SDG 14 & 15** – Life Below Water and Life on Land

These initiatives emphasize sustainable engineering practices, renewable energy adoption, environmental monitoring, and ecological conservation, thereby promoting a green campus and environmentally responsible graduates.

S.No.	Event Name	Resource Person	No. of Beneficiaries	From (DD/MM/YY)	To (DD/MM/YY)
1	Development of Gas Turbine Engines for Fighter Aircraft: The challenges for Future Engineers	Dr. R K Mishra, Scientist and Former Regional Director, Centre for Military Airworthiness and Certification, DRDO, Bangalore	150	10.09.2024	10.09.2024
2	webinar on “Smart Solutions: The Evolving World of Electronics Applications”	Mr. Gopi Chand Ginjupalli, Senior Design Evaluation Engineer,	151	09.09.2024	-

		Analog Devices, Bangalore			
3	Innovating with AI and Emerging Technologies in smart cities (IEEE Smart Cities)	Dr. Diana Andruchia, Associate Professor, Division of ECE, KITS Dr.Jenkin Winston, Assistant Professor, Division of ECE, KITS. Dr.Jemima Jebaseeli, Associate Professor, Division of AI and ML Dr.Bini. D, Assistant Professor, Division of Robotics, KITS.	58	11.09.2024	12.09.2024
4	IEEE smart Cities Sponsored National Symposium on Sutainable Smart Cities 2024 : Innovation fora Greener Future Aligned with SDGs	Dr. Suhasini, Asst.Professor, SENSE, VIT Prof. Vinodh Ewards, HOD_CTC, KITS	174	30.09.2024	01.10.2024
5	Webinar on "Exploring IoT Applications in Cybersecurity and Smart Agriculture	Mr.A.Vignesh	186	12.11.2024	-
6	Smart Intelligence: Cutting-Edge Trends and Practical Applications of AI	1. Dr. Sujni Paul, Faculty, Higher Colleges of Technology, Dubai, UAE. 2. Dr. Sagaya Aurelia, Associate Professor, Christ University, Bangalore. 3. Dr. V. Evelyn Brindha, Professor, Karunya Institute of Technology and Sciences, Coimbatore. 4. Sindhiya Angel, D., Technical Leader, Nokia, Bangalore. 5. Dr. C. Beulah Christalin Latha, Associate Professor, Karunya Institute of Technology and Sciences, Coimbatore.	133	15.10.2024	19.10.2024

7	Production and Design Process of an aircraft	Mr. Samuel Joseph Christy, Airframe Section Architect at Airbus Germany	150	14.04.2025	-
8	Seminar: Role of additive Manufacturing in Industry 4.0	Dr. Abirami Babu, Manager- Operation, GTN Machine Tools, Palladam	159	07.08.2024	-
9	Seminar: Basic of Supply Chain Management Function	Mr. Hariprasath Gunalan, Team Lead - A&D Business, CIRCOR Flow Technologies India Pvt. Ltd, Coimbatore	160	14.03.2025	-
10	Faculty Development Programme on Modular Production System (MPS)	Mr. Jegadesan, FESTO	10	27.08.2024	30.08.2024
11	Logistics & Supply Chain Management | Six Sigma | Inventory Management	Mr. Desikan, Head, SCM, Walkaroo Group, Coimbatore	70	04.02.2025	-
12	International Conference on Sustainable Air and Space Technologies -2025	Shri Ajay Pratap, Associate Director, GTRE, DRDO, Prof. Asher Yahalom from Ariel University, Dr. Philip K Panicker, Scientific Officer at Neitzer, Dubai, Dr. J.J Isaac, Fromer Scientist NAL, Dr. Balakrishnan Bhakatavachalam, Senior Scientist from NAL, Dr. Manimozhi Theodor, former Director of DBEL, and Prof. Shiripad Mahulikar from Spain,	145	25.04.2025	26.04.2025

13	Engineer's Day - Sustainable infracture	Dr. Sivakumar K, Head – Concrete Technology, L&T Mr. Vijay U P, Chief Engineering Manager, L&T Dr. Esther Malini, Director, L&T IDPL Mrs. Aruna, DGM, L&T Mr. Mathew Thomas, FANUC Mr. Kevin Enoch, Design Engineer, Tata Consulting Engineers Mr. Nicolass, General Manager, SUEZ	38	18.04.2024	-
14	Harnessing the potential of food Biotechnology towards sustainable Development goals.	Dr. M.Saravanan	41	25.07.2025	-
15	World Soil Day	Dr. K.S. Subramanian	220	05.12.2024	-
16	World Water Day	Dr.Sajan Kurien, Dr.R.Samundeswari	100	22.03.2025	-
17	Unleashing National Movement for Sustainable Development" "Collaborate, Innovate, and Drive Progress on SDGs."	Speakers from ICT Academy	137	07.11.2024	08.11.2024
18	Community Connect program in Singampathi, Siruvani - A device to detect human animal encounter	Dr. G. Manoj, Dr. J. John Paul	30	07.08.2024	-
19	The Role of Fluid Mechanics in Nuclear Power Plant Systems	Mr. Aakash Kumar Rasal, Scientific Officer-C, Department of Atomic Energy (NPCIL)	85	21.08.2024	-
20	Electric Vehicle Technology	Mr. Reigen K.P, AMZ Automotive	52	04.11.2024	-
21	Futuristic Green Energy Technologies	Er. James Solomon G, GM - Sustainability & Green Energy, Summits Hygronics Private Limited, Coimbatore	91	17.12.2024	-

22	Electric Vehicle – Design and Development (Go-Kart Vehicle)	Mr. Baggio, Managing Director, AMZ Automotive	13	02.04.2025	06.04.2025
23	AI For Power Electronics Applications	Dr. Mohammed Alikhan, Post doc Researcher, Centre for Industrial Electronics, University of South Denmark	33	09.09.2024	-
24	Training Program on Empowering the Future: Digital Logic Implementation with FPGA Kits – India Semiconductor Mission	Mr.R. Siva Subramanian, Application Engineer, CoreEL Technologies, Bengaluru	66	14.09.2024	-
25	Low Power Techniques in VLSI Design	Mr. Gershom Samuel Principal Engineer Microchip Technologies India Pvt. Ltd., Chennai	38	12.02.2025	-
26	“Empowering Engineers with Low Code No Code Platforms: A New Way to Build Solution"	Mrs. K. Senthamarai, Academy Director, Mahat Labs Pvt Ltd, Coimbatore.	80	12.03.2025	-
27	Energy Science and Technology- Battery Revolution	Dr.M.V.Reddy, Senior Professional Researcher at Nouveau Monde Graphite Industry, Cannada	155	16.05.2025	-
28	Unlocking the Skies: Femto Satellite	Ms. RS Krithiga, Jet Aerospace Aviation Research Centre, Kerala	30	21.08.2024	-
29	Heat and Mass Transfer and its Aerospace Applications	Shri. Jasper Lal, Adjunct Professor, Aerospace- KITS, Retd Scientist- VSSC, Trivandrum	57	15.10.2024	-
30	Real world fluid dynamics-Industrial Applications of CFD	Dr. Neeraj M P, Application Engineer specializing in Computational Fluid Dynamics	45	09.09.2024	-
31	Conditional Assessment of RCC Structures	Dr. N. Ganesan, Professor, NIT Calicut	53	05.04.2025	-

	using Non-Destructive Testing				
32	Hands on training session on Non-Destructive Testing	Mr. Venu Madhav, M/s Taisei International Pvt Ltd, Hyderabad	35	30.10.2024	-
33	Application of Natural Fiber Reinforced Composites	Dr. Flavio Stochino, Associate Professor, Department of Civil, Environmental and Architectural Engineering, University of Cagliari	30	27.08.2024	-
34	Recent Advances in Chemistry	1. Prof. Balaji R. Jagirdar, FASc., IISc, Bangalore 2. Prof. Balaji R. Jagirdar, FASc., IISc, Bangalore 3. Prof. S. Vasudevan, FNA., FASc., IISc, Bangalore 4. Prof. S. Natarajan, FNA., FASc., FNASc., IISc, Bangalore	134	10.03.2025	11.03.2025
35	Introduction to AI: Paving the Way for the Future of Engineering	Mr. Hemanth Reddy, Co-Founder, Chums-AI, Munich, Germany	38	25.10.2024	-
36	Hands-on Workshop on STM32 Edge AI Development Board	Mr. Prajwal Application, Engineer, Digitoad Technologies Mr. Jeeva, Technical Support-Engineer, Lingaas Technology	19	22.04.2025	24.04.2025

37	Faculty Development Programme on Generative AI	Bhagavathi sundar, software Engineer, robert Bosch, coimbatore	50	31.08.2024	
38	Generative AI	Mr.J.Raj Thilak, Cloud Engineer, D2R AI Labs, Chennai	56	18.10.2024	-
39	Contrasting AI with Traditional Expert Systems Key Differences and Advancements	Mr. Deepan Raj, Senior Tech Lead, HCL Technologies, Bangalore.	382	23.08.2024	-
40	AI in Industries: The Future is Now! – Latest Trends, Impacts & Growth Opportunities	Ms. Neethu Thomas, Assistant Professor, Department of CSE, College of Engineering, Kottarakara	35	21.02.2025	-
41	Generative AI Fundamentals	I B Tech Batch 6	32	25.02.2025	-

42	The Road to Professional Success: Understanding Industry Demands	Dr. Samson Arunraj	132	22.03.2025	-
43	Generative AI Bootcamp – Shape Tomorrow Today!	Mr. Denson Abraham, Tech Lead, Datawhispher, Bangaluru	126	26.03.2025	-
44	Comprehensive Plumbing Design	1.Dr.R.Raja 2.Mr.J.Jones Robin 3.Mr.C.John Kennedy 4.Mr.Jaya Seelan 5.Mr.Lijo	30	27.08.2024	31.08.2024
45	Revolutionizing Automotive Technology with Control Systems: The Role of PID Controllers in Modern Vehicles	Mr. Ishaq Basha, Senior Research Engineer (ADAS), Hyundai Mobis	29	01.10.2024	-
46	International Conference on Computer Vision and Internet of Things	Dr. Alice Othmani, Université Paris-Est Créteil (UPEC), Paris, France Mr. Mikael Gislén, Chairman and Managing Director Gislen Software, Sweden Prof. Lipo Wang, Nanyang Technological University,	49	10.12.2024	11.12.2024

		Singapore Dr. Girijesh Prasad, Ulster University, Northern Ireland.			
47	Installation of IoT Based Remote Monitoring and Alerting of Human-Elephant Conflict Mitigation	Mr. Shravanan, Rotary President, Thondamuthoor	40	25.01.2025	-
48	Alumni Lecture Series on "Advancements in Automotive Electronics: Communication Systems, Embedded Technologies, and the Future of the Industry	Mr. Mervin Bosco (ECE Alumni; 2012-2016 Batch) Lead Engineer, Bosch Global Software Technologies.	53	11.03.2025	-
49	Trends and Opportunities in Automotive Sector	Mr. Gideon Samuel, Hyundai Motors, Chennai	70	20.09.2024	-