



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, TELANGANA, INDIA

కాకతీయ ప్రौद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६०१५, तेलंगाना, भारत

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - ౫౦౬ ౦౧౫ తెలంగాణ, భారతదేశము

(An Autonomous Institute under Kakatiya University, Warangal)

(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EKASILA EDUCATION SOCIETY)

website: www.kitsw.ac.in

E-mail: principal@kitsw.ac.in

☎ : +91 9392055211, +91 7382564888

DEPARTMENT OF MECHANICAL ENGINEERING

R & D activities towards SDGs - Funded Projects

S. No.	Faculty name	Project title*	Funding agency	Duration of the project	Amount in Rs. (Lakhs)	SDGs Addressed
CAY (2024-25)						
-Nil-						
CAYm1(2023-24)						
1	Dr. MD. Sameer, ME	Mechanical properties and microstructural evaluation of underwater friction stir additive manufactured Marine grade AA5086 Aluminum and alloy	IIT Guwahati Technology Innovation & Development Foundation	2 Years	14.0	SDG9 SDG11 SDG12
2	Dr. MD. Sameer, ME	Mechanical properties and microstructural evaluation of underwater friction stir additive manufactured AA6082 Aluminum alloy	IIT Guwahati Technology Innovation & Development Foundation	2 Years	8.0	SDG9 SDG11 SDG12
Amount received (Rs.): 22,00,000/-						
CAYm2 (2022-23)						
1	Dr. G. Srinu, ME	Mechanical Properties evaluation of sustainable Porous bricks by using rice husk	SERB-TARE	3 Years	18.30	SDG8 SDG9
Amount received (Rs.): 18,30,000/-						
CAYm3 (2021-22)						
-Nil-						
Total Amount (Lacs) Received for the Past 3 Years: 40.30 Lakhs						

Entrepreneurial activities and outreach programs done by the department

Entrepreneurial activities carried out during CAYm1 2023-24

1. EDC KITSW, organized a webinar on “Fueling Ambitions: Embracing Entrepreneurship, Life Skills and Lifestyle for Engineering Students” on the occasion of “World Entrepreneurs Day”, was conducted on 21.08.2023.
Speaker - Shri. Nerella Naveen Chandra, Director, Indian Agencies, Warangal.
2. KitOLit, a renowned start-up, hosted a student interactive event named "Robot-expo" aimed at raising awareness among students about the workings of robots and techniques for their training, held on November 25th, 2023”
3. As part of 'SUMSHODHINI-23', an event titled "Product-Pro" was organized on February 3rd, 2024.
4. "Drone Tech Ignition" webinar was conducted from January 12th to January 14th, 2024, catering to drone enthusiasts seeking to delve deeper into drone technology.
5. "MySBA," a student interactive session, was conducted, aimed at inspiring students towards entrepreneurship and transforming them from job seekers to job providers on 28.02.2024.
Speaker - Sri. S.S. Rajesh, the organizing secretary of Swavalambi Bharath Abhiyan

Entrepreneurial activities carried out during CAYm2 2022-23

1. EDC KITSW, organized a webinar on “Journey from Innovation to Entrepreneurship” on the occasion of “World Entrepreneurs Day”, was conducted on 21.08.2022.
Speaker - Sri. Kiran Lakkapragada, the co-founder of KiksAR Technologies
2. EDC KITSW organized a webinar on “How to plan for startup and legal ethical steps” on 28th June, 2022 as part of impact lecture series –I phase –II.
Speaker - Mr. Konkati Sandeep Kumar, Founder & MD for Vasudha Art studio, Oil & Digital Painting Artist, Graphic Designer & Educator & National awardee
3. EDC KITSW, in collaboration with Department of Mechanical Engineering and NiPAM 2.0 organised a webinar on “Awareness webinar on Intellectual Property Rights (IPR)” on 3rd November, 2022
4. Organized “Exhibition & Poster Presentation of prototype developed & linkage with Innovation Ambassadors for Mentorship support” in association with IIC and Dept. of EEE, KITSW.
5. Expert Talk on “Current Scenario- Opportunities for Mechanical Engineers” on 20th February 2023. *Speaker* - Shri. G. V. Rao Garu Proud Alumnus from class of 1986-1990 batch KITSW, Director- Corporate Social Responsibility & External Industry affairs, Volvo Group India Pvt. Ltd., Bangalore

Entrepreneurial activities carried out during CAYm3 2021-22

1. EDC KITSW, organized a webinar on "Journey from Innovation to Entrepreneurship" on the occasion of "World Entrepreneurs Day", was conducted on 21.08.2021.
Speaker -Mr. Srikanth Soni, Founder & Proprietor Srujan Workplace Innovations, Hyderabad.
2. EDC KITSW had organized Orientation Programme on significance of Innovation Incubation Research and Entrepreneurship (I2RE) for all the~ first year admitted students (2021-22) as part of 2-week Orientation Programme.
3. EDC KITSW had organized a webinar on "Entrepreneurship skill, Attitude and Behavior Development" conducted on 09th February 2022 in association with Institution's Innovation Council (IIC) and The Millennial Comedy Club Start-Up, Warangal.
4. EDC KITSW organized a webinar on "How to Plan for Start-up and Legal & Ethical Steps" on 25.06.2022 in coordination with IIC KITSW.
Speaker - Mr. Kokanti Sandeep. Kumar, National Awardee, Founder & MD for Vasudha Art Studio, Oil and digital painting artist, Graphic designer & Educator

Outreach programs done by the department

S. No.	Title of the Programme/ Event	Faculty as Resource Person	Duration / Date & Place	SDGs Addressed
1.	Indian Superkarting Series Season-3 (ISS 3.0)	Sri Ch. Karunakar & 20 Students, MED, KITSW	3-6 July 2024, MIT Group of Institutes, Ujjain (M.P.)	SDG-4 - Quality Education SDG-7 - Affordable & Clean Energy SDG-9 - Industry, Innovation & Infrastructure SDG-12 - Responsible Consumption & Production
2.	Regional Meet - Institutions Innovation Council (MoE's Innovation Cell)	Sri K. Kishor Kumar, Assistant Professor	6th January 2024, Koneru Lakshmaiah Education Foundation, Vijayawada	SDG 4 - Quality Education SDG 17 - Partnerships for the Goals
3.	Engineering the Future	Dr. G. Srinu. Assistant Professor	06-10 Nov. 2023, Sanskriti School of Engineering	SDG 4 - Quality Education SDG 9 - Industry, Innovation & Infrastructure