

ACTIVITY REPORT 2023-24

Submitted by

IEDC Team, LBSCEK

under the guidance of

Dr. Sarith Divakar M. and Dr. Arathi T.

to

Kerala Startup Mission in completion of academic year 2023-24



Vision of the Institute

To become a paragon institution for pursuance of Education and Research in Engineering and Technology

Mission of the Institute

Impart finest quality Technical Education and Training
Nurture a vision of Sustainable development
Bequeath it to the next generation of professionals



LBS College of Engineering, Kasaragod March 2024 **DECLARATION**

We hereby declare that, this activity report is the bonafide documentation of the various ventures

undertaken by the Innovation and Entrepreneurship Development Centre in the academic year

2023-24 carried out under the supervision of Dr. Sarith Divakar M, IEDC Nodal Officer, Dept.

of Computer Science and Engineering, LBS College of Engineering, Kasaragod and Dr. Arathi

T, IEDC Nodal Officer, Dept. of Electronics and Communications Engineering, LBS College

of Engineering, Kasaragod.

K E Nandagopal

IEDC Chief Executive Officer (2023-24)

Student, Electronics &

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Dr. Mohammad Sekoor T.

Principal

LBS College of Engineering, Kasaragod.

i

Date: 14/03/2024

IEDC Team 2023-24

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1	K E NANDAGOPAL	Student Lead
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3	PRANAV KRISHNA	Quality And Operations Lead
4	ASWANTH SATHEESAN	Quality And Operations Co-Lead
5	SHINAS SAMOON	Technology Lead
6	MUHAMMED SIDHAN V S	Technology Co-Lead
7	NASEEM ASHRAF	Creative And Innovation Lead
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11	MUHAMMED SAFVAN K	Branding & Marketing Lead
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15	SAHAL ABUBACKER	Documentation Lead
16	ABIN NR	Documentation Co-Lead
17	MOHAMMED SINAN KH	Innovation Coordinator
18	AISWARYA A	Internship Coordinator
19	REMITHA MOL A P	Startup Coordinator
20	JAYAKRISHNAN A	IPR Coordinator
21	SHIVANANDH V	Social Media Coordinator
22	MUHAMMED MINHAJ VS	Digital Media Lead
23	MOHAMMED SHIBIL P	Digital Media Co-Lead
24	ABHINAV K M	Innovation Coordinator
25	JACOB GEORGE	IPR Coordinator
26	FATHIMATH IHSANA	Innovation Coordinator
27	ABHINAV RAMESAN	Startup Coordinator
28	VISHNUPRASAD P	Internship Coordinator

29	NANDANA RAJAN K	Innovation Coordinator
30	MALAVIKA RAKESH	Internship Coordinator
31	VISHAL KODOTH	IPR Coordinator
32	RISHIKESH M SUJITH	Social Media Coordinator
33	JYOTHIKA J	Internship Coordinator
34	NIDHI ASHOK	Startup Coordinator
35	SHIBIN RAJ B K	Internship Coordinator
36	ASWANI S H	Startup Coordinator
37	SHANA NASREEN P	IPR Coordinator
38	DHYONA K V	Social Media Coordinator
39	ARCHANA DAS A	IPR Coordinator
40	ADHISH K	Social Media Coordinator

ACKNOWLEDGEMENT

We take this opportunity to express our deep sense of gratitude and sincere thanks to all

who helped us in all our programs and initiatives.

We are deeply indebted to our nodal officer Dr. Sarith Divakar M, Assistant Professor,

Department of Computer Science and Engineering for his excellent guidance, positive

criticism and valuable comments. His never-ending support and enthusiasm has brought us

where we are now. We are also indebted to our nodal officer Dr. Arathi T, IEDC Nodal

Officer, Dept. of Electronics and Communications Engineering, LBS College of

Engineering, Kasaragod for her excellent guidance, positive criticism and valuable

comments. We are greatly thankful to our KSUM IEDC coordinator Mr. Bergin S Russel

for their constant support and guidance. We are greatly thankful to Shri. Anoop Ambika,

CEO, Kerala Startup Mission, for his support and cooperation.

Finally, thankful to one and all former members of IEDC, our Alumni Network and our

friends who directly and indirectly contributed to the successful completion of this

Academic Year 2023-24.

Place: Kasaragod

Date: 14/03/2024

K E Nandagopal

CEO, IEDC LBSCEK

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CHAPTER 1

INTRODUCTION

The Innovation and Entrepreneurship Development Centre (IEDC) is being promoted in educational institutions to develop institutional mechanisms for creating an entrepreneurial culture in academic settings and fostering techno-entrepreneurship for the generation of wealth and employment. The mission of the IEDCs is to 'develop institutional mechanisms to create an entrepreneurial culture in academic institutions to foster the growth of innovation and entrepreneurship among faculty and students. As part of the Kerala Startup Mission, the IEDC was established at L B S College of Engineering in 2016.

Objectives of the IEDC

- Serve as an institutional mechanism offering diverse services, including guidance on all facets of establishing enterprises
- Foster an entrepreneurial ethos within the Parent Institution and neighbouring establishments in the region
- Instil a culture of innovation-driven entrepreneurship through student projects
- Address emerging challenges and opportunities pertaining to Small and Medium Enterprises (SMEs) and micro-enterprises with agility and efficacy

Functions of IEDC

- Host workshops like Entrepreneurship Awareness Camps, Entrepreneurship Development Programs, Faculty Development Programs, and Skill Development Programs
- Facilitate interactions between entrepreneurs and students, establishing mentorship programs for student entrepreneurs.
- Advocate for the importance of entrepreneurship to the institution's management, integrating entrepreneurial activities with the host institution's operations.
- Spreading awareness about entrepreneurship to nearby schools and polytechnics.

The IEDC LBS conducts various programs such as idea pitching, workshops, hackathons, etc., to enhance students' skills. Additionally, it facilitates interactions with entrepreneurs, allowing students to discuss their questions and ideas about startups.

CHAPTER 2 HACKATHON ORGANISED

Sl. No.	Date Details : Name of the Hackathon Event/ Conducted			
1	28-10-2023	Internal Hackathon for Smart India Hackathon		
2	28-12-2023 to 29-12-2023	Ideas to Impact Challenge Hackathon		
3	12-02-2024 to 14-02-2024	Carbon Zero Challenge Hackathon		

Internal Hackathon for Smart India Hackathon

The Internal Hackathon at LBS College of Engineering on October 28, 2023, was a successful event that brought together eight teams with 48 participants. Dr. Sarith Divakar M and Dr. Mohammed Sekoor T set the tone with a warm welcome and inauguration, emphasizing the importance of technological innovation. The jury, consisting of Dr. Smithamol M B, Dr. Sarith Divakar M, and Prof. Rensi Sam Mathew, played a vital role in evaluating projects based on innovation, feasibility, and impact. The event focused on developing tech-driven solutions to address real-world challenges in India. The diverse range of activities, including brainstorming and coding sessions, showcased the participants' commitment to leveraging technology for societal betterment. The jury deliberation contributed to recognizing outstanding solutions, making the event a successful convergence of talent, creativity, and technology.

Event Highlights:

Dr. Sarith Divakar M, the College's SPOC, extended a warm welcome, setting the tone for a day filled with innovation and collaboration. Dr. Mohammed Sekoor T, the Principal, inaugurated the event, emphasizing the significance of the hackathon in nurturing problem-solving skills and technological innovation. Dr. Smithamol M B, Dr. Sarith Divakar M, and Prof. Rensi Sam Mathew served as esteemed jury members, offering their expertise and insights throughout the

event. The event saw active involvement from eight teams comprising a total of 48 participants.

The diverse pool of participants ensured a wide spectrum of ideas and skills.

Activities and Impact:

The hackathon engaged participants in brainstorming, coding, and project development sessions.

The focus was on devising tech-driven solutions to address pertinent challenges faced in India,

aligning with the ethos of the Smart India Hackathon.

Conclusion:

The event concluded with teams presenting their innovative projects, showcasing a blend of creativity and technical proficiency. The commitment and enthusiasm displayed by all participants exemplified a dedication to leveraging technology for societal betterment.

Jury Deliberation:

Under the guidance of the jury members, projects were evaluated for their innovation, feasibility, and potential impact. The jury's deliberation contributed to recognizing outstanding solutions and fostering an environment of excellence.

This event at LBS College of Engineering was a successful convergence of talent, creativity, and technology, marking a step forward in addressing real-world challenges through innovative technological solutions.

Poster:





Group Photo:



Judges Photo:



Evaluation Criteria	Explanation
Novelty	0-10 – Idea is not novel. A same product already exists.
	10-60 – Idea is an extension of an existing solution and has some
	amount of novelty.
	60-80 – Idea is novel and is a significant improvisation of an existing
	idea.
	80-100 – Idea is novel and is not known or previously used by others.
Usability	0-10 - Highly unusable: The idea is not usable in its current form
	and is likely to be rejected by the intended audience. It may need to
	be completely redesigned or discarded.
	10-60 - Uncertain: It is difficult to determine the usability of the
	idea without more information or context. The idea may have both
	strengths and weaknesses in terms of its usability.
	60-80 - Moderately usable: The idea has some usability issues, but
	they are not severe. It may require some adjustments or
	improvements to be fully effective.
	80-100 - Highly usable: The idea is easy to use and understand, and
	it effectively addresses the needs of the intended audience. It is
	likely to be well-received and generate positive feedback.
	0-10 Viability is absent or highly questionable.
	10-60 Unit Economics and value prop. clearly defined, show
	promise but yet to be validated.
	60-80 Unit Economics and value prop. clearly defined, show
	promise and have been validated through mvp/working
	prototype/pilot - viable.
	80-100 Unit Economics and value prop. clearly defined, show
Viability	promise and have been validated through multiple paying
	customers - viable & potentially scalable.
Impact Scale	0-10 No / Limited quantifiable positive impact.
	10- 60 Clear quantifiable irreversible benefits by
	implementing the idea in one of the following a. Research
	Impact b. Social Impact c. Financial Impact
	60 - 80 Clear quantifiable irreversible benefits in terms of at least
	two of the following: a. Research Impact b. Social Impact c.
	Financial Impact
	80-100 Clear quantifiable irreversible benefits in terms of all three
	of the following: a. Research Impact b. Social Impact c. Financial
Modrat natartial and a 1	Impact 0.20 Page
Market potential or social	0-30 Poor
worth of the	30-70 Moderate
product/process/research	70-100 Excellent
Suitability of the product/process/research	0-30 Poor 30-70 Moderate
by usability	70-100 Excellent
Clarity and details in the	0-30 Poor
prescribed format	30-70 Moderate
preserioed format	70-100 Excellent
Potential for future work	0-30 Poor
progression	30-70 Moderate
progression	70-100 Excellent
	70-100 Excellent

Team Details

Total Teams: 8, Number of Participants: 48 (Male: 30, Female 18)

Team: Chrysalis

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Adhish K	M	adhishadhia@gmail.com	9746708521
Team Member	Nidhi Ashok	F	nidhiashok14@gmail.com	7736270202
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Team Member	Dhyona K V	F	dhyonakv@gmail.com	7025913387
Team Member	Shana Nasreen P	F	Shanawadi@gmail.com	6282570389
Team Member	Aswani S H	F	aswaniash9809@gmail.com	8138847670

Team: CODE 01

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Naseem Ashraf	M	naseemashraf337@gmail.com	8136931505
Team Member	Mohammed Shibil p	M	mohammedshibilp01@gmail.com	8590629268
Team Member	Muhammed Minhaj VS	M	minhajvs457@gmail.com	7025168499
Team Member	Shinas Samoon	M	shinassamooncvd@gmail.com	7736634151
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Team Member	Mohammed Sinan Kh	M	instasinan123@gmail.com	8139863252

Team: Innovisionaries

	Name	Gender (M/F)	Email id	Mobile no.
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Team Member	K E Nandagopal	M	knandagopal41@gmail.com	88918 58905
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Team Member	Shibin Raj B K	M	shibinjunior@gmail.com	89432 51064

Team: LAZY BONES

am . LAZ I DONES						
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Team Member	Nandana K	F	nandanachandran000@gmail. com	6282 598 753		

Team Member	Abdul Nazim	M	najunazz50@gmail.com	8921942718

Team: Mydoom

	Name	Gender (M/F)	Email id	Mobile no.
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Team: Orion Nubula

	Name	Gender (M/F)	Email id	Mobile no.
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Team: Team techies

	Name	Gender (M/F)	Email id	Mobile no.
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Team Member	Hifa M rehuman	F	hifamrehuman66@gmail.com	6235846540
Team Member	Gautham Krishna k	M	kgautham134@gmail.com	6238896684
Team Member	Nithin p	M	nithinmnp2@gmail.com	9037165471
Team Member	Amitha S	F	amithaammuzz238@gmail.com	8075697813

Team: THOUGHT TITANS

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		(M/F)		
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Team Member	Vishnuprasad P	M	vishnuprasadp201@gmail.com	8075231468
Team Member	Nandana Rajan	F	nandanarajank05@gmail.com	9895405870

Shortlisted Teams:

- 1. Chrysalis
- 2. CODE 01
- 3. Innovisionaries
- 4. LAZY BONES
- 5. Mydoom
- 6. Orion Nubula
- 7. Team techies
- 8. THOUGHT TITANS

Social Media Links

https://www.instagram.com/p/Cyv0R66vuxO/ https://twitter.com/lbsiedc/status/1716740136959103462

https://www.instagram.com/p/CyxT4BdSDuG/ https://twitter.com/lbsiedc/status/1716722910789095589

https://www.instagram.com/p/Cy8pwG_y7qz/ https://twitter.com/lbsiedc/status/1718567430501683433

Photos:





















Ideas to Impact Challenge Hackathon

The "Ideas to Impact Challenge Hackathon" held on December 28-29, 2023, brought together a vibrant community of innovators with a total of 7 teams actively participating. The winning teams, Plant XL led by Atanu Bhowmik and GREEN UNITY led by Adhish.R, showcased remarkable creativity and problem-solving skills. The hackathon, encompassing both the Impact Challenge (i2I) and Carbon Zero Challenge (CZC 4.0), served as a catalyst for collaborative efforts in addressing real-world challenges. The event's success is attributed to the dedication of participants, mentors, judges, and organizers who contributed to a dynamic and impactful experience. The projects developed during the hackathon demonstrated a commitment to making a meaningful difference in impact and carbon reduction. The Ideas to Impact Challenge Hackathon stands as a testament to innovation, collaboration, and the pursuit of sustainable solutions for a brighter future.

Poster:



Opening Day - 28-Dec-2023:

10:30 AM - 11:00 AM: Registration and Welcome:

Participants successfully joined the Google Meet platform, completed registration, and received a warm welcome briefing.

11:00 AM - 11:30 AM: Opening Ceremony:

The event commenced with an inspiring welcome address, an introduction to challenges, and a comprehensive overview of hackathon rules.

12:30 PM - 01:30 PM: Team Formation:

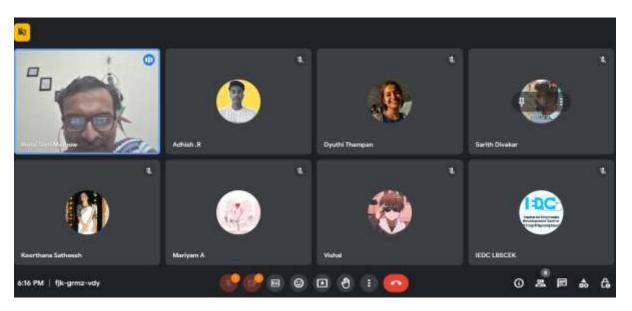
Participants formed diverse teams based on shared interests and skills, enhancing the collaborative spirit of the hackathon.

02:30 PM - 06:00 PM: Hacking Session 1:

Teams enthusiastically kicked off their projects, with mentors offering valuable guidance.

06:00 PM - 07:00 PM: Networking Break:

A virtual networking break provided opportunities for team check-ins and discussions, fostering a sense of community.



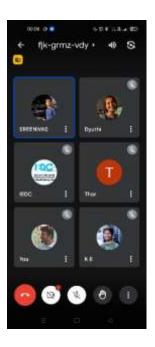
07:00 PM - 11:00 PM: Hacking Session 2:

Teams continued their development, ensuring progress toward impactful solutions.

Second Day - 29-Dec-2023:

12:00 AM - 01:00 AM: Midnight Energizer:

An optional midnight event featured lightning talks, games, or challenges to maintain high energy levels among participants.



01:00 AM - 06:00 AM: Hacking Session 3:

Teams focused on finalizing projects and preparing presentations for submission.

07:00 AM - 09:30 AM: Submission and Review:

Teams submitted their projects for evaluation by judges and mentors during this crucial timeframe.

10:30 AM - 11:00 AM: Judging and Deliberation:

Judges rigorously evaluated projects based on predetermined criteria, ensuring a fair and thorough review.



11:00 AM: Awards Ceremony and Closing:

The hackathon concluded with the announcement of winners, closing remarks, and expressions of gratitude to participants for their dedication and innovation.















CARBON ZERO CHALLENGE HACKATHON WINNERS

SWAP

Vellore Institute of Technology, Vellore

Dyuthi Thampan Rayhan Keerthana S Plant XL Prabhat Kumar College, Contai, West Bengal

Atanu Bhowmik Aveek Samanta Subir Samanta Tilak Raj Maity Sunit Maity **Green Unity**

LBS College of Engineering, Kasaragod

> Adhish R Vishal Kodoth Mariyam

Congratulations

&
INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT
CENTRE (IEDC)
LBS COLLEGE OF ENGINEERING, KASARAGOD

SCHOOL OF SUSTAINABILITY, IIT MADRAS

Conclusion:

The Impact Challenge (i2I) and Carbon Zero Challenge (CZC 4.0) successfully brought together a diverse group of participants, fostering creativity, collaboration, and innovative solutions to pressing challenges. The event not only showcased the participants' skills but also contributed to the ongoing efforts in addressing real-world issues. The hackathon was made possible by the dedication of participants, mentors, judges, and organizers who worked tirelessly to create an enriching and impactful experience. The projects developed during the event have the potential to make a meaningful difference in the areas of impact and carbon reduction. As the hackathon came to a close, the sense of achievement and camaraderie among participants underscored the success of the event. The Impact Challenge (i2I) and Carbon Zero Challenge (CZC 4.0) served as a platform for innovation, collaboration, and the pursuit of solutions for a better and more sustainable future.

Carbon Zero Challenge Hackathon

The Carbon Zero Challenge 4.0 Hackathon, held from February 12th to 14th, 2024, witnessed the participation of 22 innovative teams dedicated to addressing carbon emissions and fostering sustainable solutions. The event featured dynamic activities, including team formation, ideation sessions, hacking periods, mentorship sessions, and final presentations. Notably, the winners of the accompanying Carbon Zero Challenge 4.0, with a focus on circularity in resource conservation, were announced as College of Engineering Muttathara and Prabhat Kumar College, Contai. These teams demonstrated exemplary eco-innovations, earning recognition and support, including prototype development funds and the potential for incubation at IIT Madras, contributing significantly to the broader mission of fostering sustainability in India.

Day 1: Monday, February 12th, 2024

The event commenced with an Opening Ceremony at 5:00 PM, featuring a warm welcome address and an introduction to the Carbon Zero Challenge 4.0. Participants were briefed on the hackathon's objectives and the agenda for the following days. Following this, a Team Formation and Ideation Session ensued, allowing participants to form teams based on shared interests and skills. Brainstorming sessions were conducted to generate ideas for eco-innovations. The day concluded with a dinner break, fostering networking and camaraderie among participants.





Day 2: Tuesday, February 13th, 2024

The second day began with a Morning Standup and Progress Check at 9:00 AM, where teams provided updates on their progress and received feedback from mentors. Hacking sessions continued throughout the day, allowing teams to refine their prototypes and solutions. Mentorship sessions were conducted in the afternoon, providing valuable guidance from experts in relevant fields. The day concluded with teams diligently working on finalizing their prototypes in preparation for presentations.

The mentors for the Carbon Zero Challenge 4.0 Hackathon, held at IIT Madras from February 12th to 14th, 2024, included esteemed professionals from diverse fields crucial to sustainable innovation. Dr. Sajan Jerome, Dr. Aseem K, Dr. Jayakumar M, Dr. Jayalekshmi S, Dr. Sarith Divakar M, Dr. Sajan Jose, and Prof. Anjali M provided invaluable guidance and expertise in environmental engineering, sustainable development, renewable energy, waste management, circular economy, climate change mitigation, and sustainable architecture respectively, empowering participating teams to develop impactful solutions for carbon emissions reduction.







Day 3: Wednesday, February 14th, 2024

On the final day of the hackathon, teams engaged in a Morning Standup and Final Sprint, making last-minute adjustments and preparations for their presentations. Pitch Practice and Rehearsals followed, allowing teams to refine their pitches and receive constructive feedback from mentors. After a lunch break, the eagerly anticipated Final Presentations took place, with each team showcasing their prototypes or solutions to a panel of judges and the audience. The day concluded with Judging and Deliberation, as judges evaluated the presentations and selected the winners. The event culminated in an Awards Ceremony and Closing Remarks, celebrating the innovative endeavors of participants and acknowledging the outstanding contributions towards sustainability

Winners of the Carbon Zero Challenge 4.0 Hackathon:

The winners of the Carbon Zero Challenge 4.0, focusing on circularity in resource conservation, were announced as follows:

- College of Engineering Muttathara
- Prabhat Kumar College, Contai

Their contributions are poised to make significant strides in fostering sustainability and combating carbon emissions in India.

Winners Posters:



Conclusion:

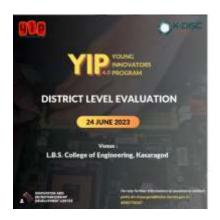
The Carbon Zero Challenge 4.0 Hackathon proved to be a resounding success, showcasing the ingenuity and dedication of participants towards addressing pressing environmental issues. Through collaborative efforts and innovative solutions, the event underscored the pivotal role of technology in advancing sustainability goals and creating a greener future for generations to come.

CHAPTER 3
EVENTS ORGANISED

SI. No.	Date	Name of the Programme
1	24-6-2023	YIP District Level Evaluation
2	4-7-2023	YIP Orientation
3	3-8-2023	Newsletter Launching
4	1-9-2023	RIM
5	26-9-2023	Introduction to Campus community chapters
6	17-11-2023	Mastering Robotics: From Basics to brilliance
7	16-12-2023	Carbon Zero Challenge Webinar
8	8-1-2024	YIP 6.0 Orientation

YIP 4.0 District Level Evaluation

During the district-level evaluation of the Young Innovators Programme (YIP) 4.0, held at LBS College on June 24, 2023, the assessment panel comprised two distinguished members and Mr. Jaimon Thomas, Program Executive from KDISC (Kerala Development and Innovation Strategic Council). The presence of these seasoned experts underscored the importance of the evaluation process. The team representing Kasaragod district actively participated in the evaluation, presenting their innovative concept. This interactive session served as a platform for participants to showcase their projects and receive valuable feedback from the panel, contributing significantly to the overall success and advancement of the Young Innovators Programme.





YIP 5.0 Orientation

On July 4, 2023, Sidharth V V, District Coordinator at KDISC, conducted a crucial orientation session for the highly anticipated Young Innovators Program (YIP 5.0). Serving as a thorough introduction, the session provided insights into the program's objectives, activities, and the anticipated role of participants in fostering innovation. Attendees gained a clear understanding of the structure and expectations of YIP 5.0, paving the way for their active involvement and contributions to this latest iteration of the Young Innovators Program. This orientation played a pivotal role in preparing participants for a meaningful and innovative journey within the program. Notably, during the session, Abhinav, the Student Coordinator, offered a valuable suggestion, stressing the significance of maximizing idea submissions from our college. This proactive approach aligns with the program's objective of fostering diverse perspectives and innovative solutions.



Newsletter Launching

The IEDC Newsletter Launch event, held on August 3, 2023, at SDPK, LBS College of Engineering, marked a significant milestone in fostering innovation and entrepreneurship within the institution. Organized by the Innovation and Entrepreneurship Development Cell (IEDC), the event drew together esteemed personalities, faculty members, students, and alumni to celebrate and encourage a culture of creativity and enterprise. Dr. Vinodu George's welcome address set a positive tone, followed by a compelling presidential address by Dr. Mohammed Sekoor T, who officially launched the IEDC Newsletter. Hridyaprabha, the IEDC CO Lead, presented a comprehensive report, while motivational talks by Nodal Officers Dr. Sarith Divakar M and Dr. Arathi T inspired the audience. Alumni felicitation recognized Sreenivas Pai for his entrepreneurial contributions, and Nandagopal K E, IEDC Lead, expressed gratitude in the vote of thanks. The event proved momentous, weaving together insights, success stories, and motivational talks to nurture the entrepreneurial spirit within the institution.

Event Highlights:

Welcome Address by Dr. Vinodu George:

The event commenced with a warm welcome by Dr. Vinodu George, Professor in the Department of Computer Science and Engineering. His opening remarks set a positive and engaging atmosphere for the evening.

Presidential Address and Newsletter Launch by Dr. Mohammed Sekoor T:

Dr. Mohammed Sekoor T, the Principal, delivered a compelling presidential address emphasizing the importance of innovation in academic and professional growth. He officially launched the IEDC Newsletter, symbolizing a commitment to showcasing the institution's entrepreneurial achievements.

Report by Hridyaprabha, IEDC CO Lead:

Hridyaprabha, the IEDC CO Lead, presented a comprehensive report highlighting the significant activities, achievements, and initiatives undertaken by the IEDC. Her report provided valuable insights into the growth and impact of the cell.

Motivational Talks by Nodal Officers:

Dr. Sarith Divakar M, Nodal Officer of IEDC, delivered a motivational talk, inspiring the audience with her experiences and insights.

Dr. Arathi T, Nodal Officer of IEDC, shared motivational thoughts, emphasizing the importance of fostering an entrepreneurial mindset.

Alumni Felicitation:

Sreenivas Pai, an esteemed alumnus, was felicitated for his outstanding contributions to the entrepreneurial landscape. His success story served as a source of inspiration for the attendees.

Vote of Thanks by Nandagopal K E, IEDC Lead:

Nandagopal K E, IEDC Lead, expressed sincere gratitude to all participants, speakers, and contributors for their valuable contributions. His vote of thanks acknowledged the collaborative efforts that made the event a success.

Conclusion:

The IEDC Newsletter Launch event proved to be a momentous occasion, bringing together individuals dedicated to promoting innovation and entrepreneurship. The insights shared, the success stories celebrated, and the motivational talks provided a rich tapestry of experiences that will undoubtedly contribute to the continued growth of the entrepreneurial spirit within our institution.









AUGUST3, 2023

SDPK LAB 12:15 PM LBSCEK, KASARGOD







WALCOME SPEECH

DR. VINODU GEORGE

PRESIDENT, FC , LBSCOX

PHERIDENTIAL ADDRESS

DR. MOHAMMED SEKOOR T

PRINCIPAL, LESCEK

TNEWSLETTER LAUNCHING

DR. MOHAMMED SEKOOR T

PRINCIPAL, LBSCEK

HEHOM

HRIDYAPRABHA M

IEDC CO-LEAD, LBSCEK

FELICITATION

DR. SARITH DIVAKAR M

NODAL OFFICER, LBSCEK

DR. ARATHI T

NODAL OFFICER, LESCEX
SREENIVAS PAI

Alumni and LEAD(2022-23)

VOTE OF THANKS

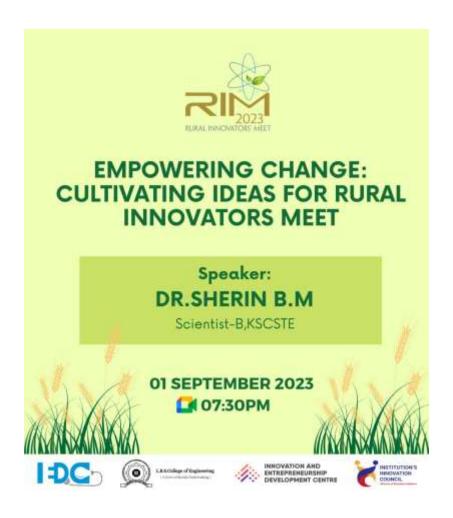
NANDAGOPAL IEDC LEAD, LBSCEK





Webinar on Rural Innovators Meet (RIM) of KSCSTE

IEDC organized webinar on September 1, 2023, with Dr. Sherin B M as the host, titled "Empowering Change: Cultivating Ideas for Rural Innovators Meet," holds a particular significance. Beyond its broader objectives, this session is tailored to inspire students to actively engage and apply for the Rural Innovators Meet (RIM) of KSCSTE. By delving into strategies for empowering change and cultivating ideas, the webinar not only aligns with the goals of RIM but also encourages students to become integral contributors to the unorganized rural and grassroots innovation sector. The event serves as a catalyst, motivating students to showcase their innovative ideas, connect with experts, and actively participate in RIM, fostering a culture of innovation and addressing challenges in rural technologies.



Introduction to Campus community chapters

IEDC organized a captivating session on September 26, 2023, featuring Jacob George as the lead speaker, introducing campus community chapters, with a notable focus on IEDC, TinkerHub, and MuLearn. This enlightening session allowed attendees to gain a thorough understanding of the distinctive roles played by each organization, ranging from IEDC's dedication to entrepreneurship to TinkerHub's encouragement of collaborative tech projects and MuLearn's contribution to establishing a vibrant learning ecosystem. Beyond providing valuable insights into these initiatives, the event likely facilitated networking opportunities, nurturing a spirit of collaboration and innovation among participants who share a passion for technology, entrepreneurship, and continuous learning within the campus community.





Mastering Robotics: From Basics to brilliance

The "Mastering Robotics: From Basics to Brilliance" workshop, organized by IEDC LBSCEK in collaboration with TinkerHub LBSCEK, took place on November 17, 2023, at SDPK LAB, LBSCEK. Led by Nithish Nayak, the workshop aimed to introduce participants to robotics fundamentals, provide hands-on experience, and spark enthusiasm for the field. The agenda included an introduction, a session on basics, and a hands-on segment. Participants actively engaged in discussions and Q&A, expressing satisfaction with the content and hands-on experience. The workshop successfully achieved its objectives of fostering curiosity and practical understanding of robotics concepts.

Agenda:

The workshop commenced with an introductory session, setting the stage for the exploration of robotics concepts. Participants were briefed on the objectives and structure of the workshop, fostering anticipation and engagement. Nithish Nayak delved into the foundational principles of robotics, covering essential theories, components, and applications. This segment aimed to equip attendees with a comprehensive understanding of the subject matter, laying a solid groundwork for subsequent activities. Following the theoretical exposition, participants transitioned into the practical domain, engaging in hands-on activities facilitated by Nithish Nayak.

This segment provided attendees with the opportunity to apply theoretical knowledge, manipulate robotic components, and gain firsthand experience in constructing and operating robotic systems.

Participant Engagement:

Throughout the workshop, participants actively participated in discussions, posed insightful questions, and enthusiastically embraced the hands-on activities. The interactive nature of the sessions facilitated a dynamic exchange of ideas and experiences, enhancing the learning journey for all involved.

Conclusion:

The "Mastering Robotics: From Basics to Brilliance" workshop, spearheaded by IEDC LBSCEK in collaboration with TinkerHub LBSCEK and led by Nithish Nayak, emerged as a resounding success. By blending theoretical insights with practical experiences, the workshop not only demystified robotics concepts but also kindled a passion for exploration and innovation in the field. It stands as a testament to the efficacy of collaborative initiatives in nurturing talent and fostering technological literacy.

Key Highlights:

Enthusiastic Participation: The participants actively engaged in discussions, asked insightful questions, and showed a genuine interest in the subject matter.

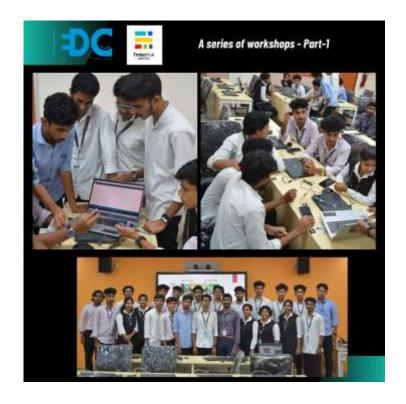
Interactive Q&A: The Q&A session provided a platform for participants to clarify doubts and deepen their understanding.

Hands-on Experience: The hands-on session allowed participants to apply theoretical knowledge, fostering a practical understanding of robotics concepts.

Feedback:

Participants expressed satisfaction with the workshop content, organization, and the hands-on experience.





Carbon Zero Challenge Webinar

The Zero Carbon Challenge Webinar, held on 16-Dec-2023, organized by IEDC, LBSCEK, featured Dr. Renu S as the main speaker. Dr. Renu highlighted the urgency of sustainable practices in mitigating climate change and discussed the Carbon Zero Challenge's goals. The Q&A session addressed practical steps for reducing carbon footprints and the role of technology in sustainability. Key takeaways include an understanding of the importance of sustainability and insights into eco-friendly innovations. The event concluded positively, inspiring participants to adopt sustainable practices and fostering a sense of responsibility for environmental stewardship. Gratitude was extended to Dr. Renu and the organizing team for their contributions.

Welcome Address:

- Dr. Sarith Divakar M's welcoming address emphasized the webinar's importance in the context of current environmental challenges.
 - An overview of the Zero Carbon Challenge and its objectives set the stage for the discussions.

Speaker Session:

- Dr. Renu provided a comprehensive overview of the Carbon Zero Challenge, emphasizing its goals and critical role in mitigating climate change.
- She stressed the urgency of adopting sustainable practices, reducing carbon footprints, and fostering a global movement toward eco-friendly living.
- An insightful discussion on the impact of individual and community actions in achieving broader environmental goals ensued.

Interactive Session: Q&A:

- Participants actively engaged in the Q&A session, posing thought-provoking questions to Dr. Renu.
- Discussions covered practical steps for reducing carbon footprints, the role of technology in sustainability, and opportunities for community involvement.

Key Takeaways:

- 1. Understanding the urgency and importance of sustainable practices in combating climate change.
- 2. Insights into the Carbon Zero Challenge and its potential to drive eco-friendly innovations.

3. Practical tips for individuals and communities to reduce their carbon footprint.

Conclusion:

The Zero Carbon Challenge Webinar concluded on a positive note, with participants inspired to integrate sustainable practices into their daily lives. The event served as a catalyst for collective action, fostering a sense of responsibility toward environmental stewardship. We extend our gratitude to Dr. Renu S for her enlightening session, the organizing team for their meticulous planning, and all participants for contributing to the success of this vital conversation.





















Carbon Zero Challenge

All India Eco-Innovation and Entrepreneurship Contest



rrup amalgrant of upto INR 10 Lakh for 5 winning teams neis to and incubated at BT-M















Empower the SDGs with Your Eco-Innovative Solutions for Circular Resource Conservation and Climate Change







Application deadline extended 30th November, 2023

Apply now to transform your proof of concept into reality and contribute to sustainable future.

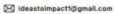


Apply now for a chance to witness your ideas morph into a working prototype!

Application deadline- 30th November







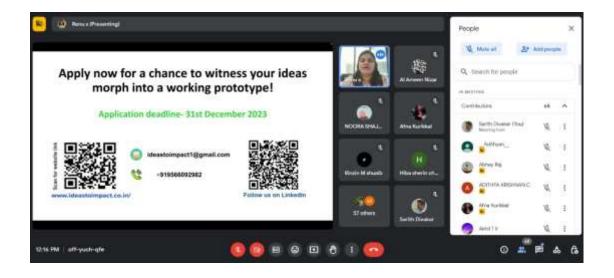












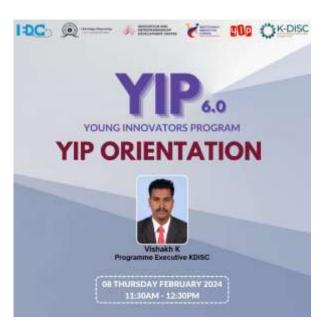
YIP 6.0 Orientation

On February 8, 2024, Vishak K, Program Executive at KDISC, spearheaded a dynamic orientation and design thinking session for the Young Innovators Program (YIP) 6.0. This session was meticulously crafted to ignite innovation and foster creativity among participants. During the event, Sidharth V V took a moment to express gratitude towards key individuals who played pivotal roles in reviewing applications for YIP 5.0. He emphasized the collaborative efforts that went into the selection process, highlighting the importance of teamwork in driving the success of such initiatives.

The KDISC team put forth a strategic recommendation to amplify idea submissions from LBS, recognizing the institution's potential to nurture an entrepreneurial culture. This strategic move underscores the significance of active engagement and contributions from LBS students, ultimately enriching the vibrancy of YIP 6.0. The enthusiasm and commitment of participants were palpable, with a total of 49 diverse ideas submitted across various engineering disciplines. This overwhelming response serves as a testament to the passion and dedication of the aspiring innovators involved in the programme. It also underscores their eagerness to contribute to the richness and success of YIP 6.0. As the programme progresses, participants are encouraged to sustain this momentum and actively engage in the innovation process. By harnessing their collective creativity and expertise, they have the potential to make

significant strides in addressing real-world challenges and driving positive change. The transformative orientation and design thinking session set the stage for an exciting journey of exploration, ideation, and innovation. With the support of KDISC and the collective efforts of all stakeholders involved, YIP 6.0 is poised to unlock boundless opportunities for growth, learning, and impact.

Poster:







CHAPTER 4

FACULTIES/STUDENTS PARTICIPATION IN EVENTS

SI. No.	Date	Name of the Programme
1	12-10-2023	IEDC Summit at CET, Trivandrum
2	22-6-2023	State level launch of LEAP CO- Works at Kasaragod
3	30-11-2023	RIM at Malabar Botanical Garden & Institute for Plant Sciences (KSCSTE-MBGIPS), Kozhikode
3	16-01-2024	IIC Regional Meet at Kochi

IEDC Summit at CET, Trivandrum

The eighth edition of the IEDC Summit 2023, organized by Kerala Startup Mission, witnessed active participation from LBS College of Engineering, Kasaragod. This flagship event welcomed students, faculty, and industry enthusiasts to Asia's largest summit for aspiring student innovators and entrepreneurs.

Event Overview:

The IEDC Summit 2023, hosted by Kerala Startup Mission, showcased a diverse range of events covering technology, entrepreneurship, skill development, and more. As a significant annual gathering, the summit aimed to connect student innovators, industry leaders, and startups, fostering engagement, networking, and the establishment of enduring connections.

Highlights of LBS College of Engineering, Kasaragod Participation:

Faculty and students from LBS College of Engineering actively participated in numerous events, workshops, and discussions. Dr. Sarith Divakar M, a distinguished faculty member, played a pivotal role in facilitating insightful discussions and sharing expertise. The students, including K E Nandagopal, Hridyaprabha M, Aiswarya A, Shibin Raj B K, Nidhi Ashok, Jyothika J, Aswani S H, and Shana Nasreen P, showcased a profound interest in entrepreneurship and innovation.

Key Features of IEDC Summit 2023:

Networking Opportunities: The summit provided a conducive environment for students to connect with influential entrepreneurs, fostering valuable connections.

Panel Discussions: Participants had the opportunity to engage with industry leaders through enlightening panel discussions, gaining valuable insights.

Technical Knowledge Expansion: The summit facilitated the expansion of horizons in technical knowledge, equipping students with the latest insights.

Financial Literacy: Students gained insights into financial literacy, a crucial aspect for aspiring entrepreneurs.

Conclusion:

LBS College of Engineering, Kasaragod, actively contributed to the success of the IEDC Summit 2023 with enthusiasm, collaboration, and a commitment to fostering innovation. The summit served as an invaluable experience for both faculty and students, providing a platform to exchange ideas, connect with industry leaders, and enhance skills crucial for future entrepreneurial endeavors. As we reflect on this enriching experience, we look forward to leveraging the knowledge gained at the summit to contribute meaningfully to the entrepreneurial ecosystem and make a lasting impact.



State level launch of LEAP CO- Works at Kasaragod

The state-level launch of LEAP Co-Works at Kasaragod was a resounding success, marking a significant milestone in Kerala's startup ecosystem. Organized by the Kerala Startup Mission (KSUM), the event aimed to introduce LEAP Co-Works, a transformation initiative turning KSUM's network of incubation centers into vibrant co-working spaces. These spaces offer a range of services tailored to startups, providing flexible and cost-effective solutions to support their growth and expansion.

Key Highlights:

Inauguration: The event commenced with an inaugural ceremony, featuring esteemed guests Dr. Usha Titus, Chairperson and Managing Director of ASAP Kerala, and Mr. Anoop P Ambika, CEO of KSUM. Their presence added gravitas to the occasion and underscored the government's commitment to fostering innovation and entrepreneurship in the region.

Unveiling LEAP Co-Works: Officials unveiled LEAP Co-Works, showcasing the newly transformed co-working spaces. Attendees had the opportunity to explore the facilities, which include dedicated workspaces, meeting rooms, and amenities designed to meet the diverse needs of startups.

Address by Dignitaries: Dr. Usha Titus and Mr. Anoop P Ambika delivered insightful addresses, emphasizing the importance of initiatives like LEAP Co-Works in nurturing startup ecosystems. They highlighted the role of collaboration and community-building in driving innovation and propelling Kerala's startup landscape forward.

Networking Opportunities: The event provided ample networking opportunities for attendees, fostering connections among startups, mentors, investors, and ecosystem stakeholders. Participants exchanged ideas, forged partnerships, and explored potential collaborations, laying the groundwork for future growth and synergy.

Engagement Activities: Engaging workshops, panel discussions, and interactive sessions were held throughout the day, offering valuable insights and practical knowledge to attendees. Topics ranged from entrepreneurship trends to best practices in startup management, empowering participants with actionable strategies to navigate the challenges of building successful ventures.

Conclusion:

The state-level launch of LEAP Co-Works at Kasaragod was a landmark event that symbolized Kerala's commitment to fostering a conducive environment for startups to thrive. By repurposing incubation centers into dynamic co-working spaces, KSUM has demonstrated its dedication to supporting the entrepreneurial aspirations of the state's youth. LEAP Co-Works promises to be a catalyst for innovation, collaboration, and economic growth, empowering startups to realize their full potential and contribute to Kerala's development journey.





RIM at Malabar Botanical Garden & Institute for Plant Sciences (KSCSTE-MBGIPS), Kozhikode

The Rural Innovators Meet (RIM) 2023, organized by the Kerala State Council for Science, Technology and Environment (KSCSTE), witnessed commendable achievements by participants from various backgrounds. Among the notable successes was the team comprising Jacob George, Akshay V S, Pratheek Rao K B, and Mr. Nitish Nayak, who clinched the Special Mention Prize. This report highlights their achievement and its significance.

Event Overview:

The Rural Innovators Meet 2023 was a platform dedicated to showcasing innovations and solutions aimed at addressing rural challenges. Held at the prestigious Kerala Forest Research Institute, Thrissur, the event attracted participants from diverse fields, ranging from agriculture and technology to social entrepreneurship.

Success Story:

Jacob George, Akshay V S, Pratheek Rao K B, and Mr. Nitish Nayak distinguished themselves at the RIM 2023 with their innovative contribution. Their project, which earned them the Special Mention Prize, was presented amidst stiff competition. The recognition underscores their ingenuity and dedication to addressing rural issues through innovative means.

Conclusion:

The success achieved by Jacob George, Akshay V S, Pratheek Rao K B, and Mr. Nitish Nayak at the Rural Innovators Meet 2023 serves as a testament to their commitment to innovation and problem-solving. Their Special Mention Prize is not only a personal achievement but also a recognition of their efforts to make meaningful contributions to rural development. Their journey exemplifies the spirit of ingenuity and collaboration, crucial for addressing the challenges faced by rural communities.





IIC Regional Meet at Kochi

The IIC Regional Meet held at Kochi brought together a diverse group of innovators, entrepreneurs, educators, and students from various institutions across the region. The event aimed to foster collaboration, knowledge sharing, and networking opportunities to drive innovation and entrepreneurship in the area.

Key Highlights:

Inspirational Keynote Addresses: Renowned speakers delivered inspiring keynote addresses, emphasizing the importance of innovation and entrepreneurship in driving regional development.

Panel Discussions: Engaging panel discussions were conducted on topics such as "Emerging Trends in Innovation" and "Overcoming Challenges in Entrepreneurship." Panelists shared valuable insights and perspectives, sparking thought-provoking conversations among attendees.

Innovation Showcases: Participants had the opportunity to showcase their innovative projects, products, and prototypes. This segment provided a platform for innovators to receive feedback, gain exposure, and explore potential collaborations.

Workshops and Skill-building Sessions: Practical workshops and skill-building sessions were organized to equip attendees with the necessary tools and knowledge to succeed in innovation and entrepreneurship. Topics included design thinking, business model canvas, and pitching techniques.

Networking Opportunities: The event facilitated networking sessions where participants could connect with peers, mentors, investors, and industry professionals. These interactions fostered valuable relationships and potential partnerships.

Collaboration Initiatives: Efforts were made to foster collaboration between academia, industry, and government bodies to create a conducive ecosystem for innovation and entrepreneurship in the region. Discussions centered on ways to support startups, promote research-commercialization linkages, and address regulatory challenges.

Conclusion:

The IIC Regional Meet at Kochi was a resounding success, bringing together stakeholders from diverse backgrounds to catalyze innovation and entrepreneurship in the region. The event provided a platform for knowledge sharing, collaboration, and networking, laying the foundation for future initiatives to drive regional development through innovation.



CHAPTER 5

CONCLUSION

We have successfully organized many events in the Academic year 2023-24. The impact in new students is our top achievement. The dreams and aspirations of many students has been channeled in the right direction by our team. We believe that much more can be achieved. There has been numerous flaw from our side in the past year. We have corrected it and ensured that the future teams understood it. The new team is all set to redefine the Mission and Vision of IEDC LBSCEK as we have. They intend to produce many more innovative startups out of LBSCEK. We are looking forward to it as well.

CHAPTER 6 CONTACT

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