



# **KURIAKOSE ELIAS COLLEGE MANNANAM**

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## **Criterion - VI**

### **Governance, Leadership and Management**

#### **6.2: Strategy Development and Deployment**

##### **6.2.1.**

### **Deployment of institutional perspective plan**



## DEPLOYMENT OF INSTITUTIONAL PERSPECTIVE PLAN

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## **Case Study 1: Establishment of Institution's Innovation Council (IIC), Innovation and Entrepreneurship Development Centre (IEDC) and Entrepreneurship Development (ED) Club for Cultivating a Spirit of Innovation and Entrepreneurship**

### **• Introduction**

Kuriakose Elias College has embarked on a unique project aimed at harnessing the managerial efficacy and internal resources of the institution to promote innovation and entrepreneurship among its staff and students. This initiative is part of the college's continuous efforts to enhance academic quality and foster a culture of creativity and entrepreneurial spirit. The establishment of the Institution's Innovation Council (IIC) on August 27, 2020, marks a significant milestone in this journey. The IIC is designed to channel the creative energies of students towards developing new ideas, promoting innovation, and supporting the creation of start-ups and entrepreneurial ventures. The college has integrated various programs and policies, such as the National Innovation and Start-up Policy (NISP) and the Innovation and Entrepreneurship Development Centre (IEDC), to further this mission. These initiatives, supported by governmental bodies like the Ministry of Innovation Council (MIC) and the Ministry of Human Resource Development (MHRD), reflect the college's commitment to fostering innovation and entrepreneurship on campus.

### **1. Institution's Innovation Council (IIC)**

The Institution's Innovation Council (IIC) at Kuriakose Elias College plays a central role in promoting innovation and entrepreneurship. With the unique ID 'IC202015003', the IIC provides students and staff with exclusive opportunities to participate in various innovation-related initiatives and competitions, ranging from the institutional level to the international arena. The council conducts activities in three main streams: IIC-driven, MIC-driven, and self-driven activities. During the academic year 2020-2021, a total of 54 different types of Innovation and Entrepreneurship (I&E) and Intellectual Property Rights (IPR) activities were organized.





## 2. Innovation and Entrepreneurship Development Centre (IEDC)

In alignment with the guidelines provided by the Ministry of Innovation Council (MIC), the college has formulated and is currently implementing the National Innovation and Start-up Policy (NISP). This policy framework is designed to create an enabling environment for the establishment of start-ups and the promotion of entrepreneurial ventures among students and faculty.

The Innovation and Entrepreneurship Development Centre (IEDC), established in January 2021 with the support of Kerala Start-Up Mission (KSUM), serves as a dynamic catalyst for innovation and entrepreneurship at the college. The IEDC received a grant of 2 lakhs to support its initiatives. The centre has been instrumental in organizing various events and programs that promote creative thinking and entrepreneurial skills. Notable activities include mentoring sessions at Atal School, talk sessions on biotechnology innovations, and hands-on events like the Hackathon, which highlighted the problem-solving skills of participants.

## 3. Entrepreneurship Development Club (EDC) and Other Supportive Structures

The college also supports innovation and entrepreneurship through its Entrepreneurship Development Club (EDC), which operates in collaboration with the District Industries Centre of Kerala. The Intellectual Property Rights (IPR) Cell and the NSS unit of the college play a crucial role in supporting I&E and IPR-related activities on campus. These bodies work together to create a supportive ecosystem that encourages students and faculty to explore new ideas, develop innovative solutions, and translate them into viable entrepreneurial ventures.

The college's commitment to innovation and entrepreneurship has been recognized at the national level. In the Atal Ranking of Institutions on Innovation Achievements (ARIIA) for the year 2021-2022, Kuriakose Elias College was ranked in the "Performer" band under the "General (Non-Technical)" category. The college also achieved the highest level of 4-star rating in the national rating of the Institution's Innovation Council (IIC) for the same academic year. These accolades reflect the institution's success in fostering a robust culture of innovation and entrepreneurship.





## • Conclusion

Kuriakose Elias College has made significant strides in deploying innovation and entrepreneurship through its strategic initiatives and supportive infrastructure. The establishment of the IIC, the implementation of the NISP, and the creation of the IEDC are key components of the college's efforts to promote a culture of innovation and entrepreneurship. These initiatives, supported by various national and regional bodies, provide students and faculty with the resources, guidance, and opportunities needed to develop their ideas and transform them into successful entrepreneurial ventures. The college's achievements in national rankings and its active participation in innovation-related activities underscore its commitment to fostering a vibrant ecosystem of creativity, entrepreneurship, and academic excellence.



  
**Dr. Ison V. Vanchipurackal**  
**PRINCIPAL**  
**KURIAKOSE ELIAS COLLEGE**  
**MANNANAM, KERALA - 685 561**





## 1. ESTABLISHMENT OF INSTITUTION'S INNOVATION COUNCIL (IIC)

### a. Vision of IIC established at the Institute

To achieve recognition as an institution of excellence in innovation promotion ecosystem by catering the needs of students, faculty and public entrepreneurs with innovative ideas which will boost up our young entrepreneurs and there by growing the national economic and social development”.

### b. Mission of IIC established at the Institute

- Students/Faculty associated with ICs will have exclusive opportunity to participate in various Innovation related initiatives and competitions organized from institution level to international level.
- To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in time bound fashion.
- Identify and reward innovations and share success stories.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- Network with peers and national entrepreneurship development organizations.
- Organize Hackathons, idea competition, mini-challenges etc. with the involvement of industries.
- To develop a system with required infrastructure that can enable students and faculty to innovate and prototype their ideas with industrial standards and support from Government, industry and reputed academic institutions around the world and help them to realize their potentials.





**c. Journey of IIC established at the Institute**

IIC was established officially in the institute on 27-08-2020. IIC is set up to encourage the creative energy of our student population to work on new ideas and innovation and promote them to create start-ups and entrepreneurial ventures. The first council meeting of Institution's Innovation Council (IIC), K.E College, Mannanam was called by IIC President, Dr. Mercy Mathews to discuss upon the formulation and function of IIC & shared roles and responsibility among newly joined council members as per the guidelines of MHRD's Innovation cell.

The council members met and discussed about the objectives of IIC, type of activities (IIC calendar and Self-Driven and MIC Driven), features of IIC portal for monthly report submission mechanism. The council members also discussed about collaborations with organisations to accelerate the activities of IIC. The council also deliberated on quarterly action plan in synchronisation with activities and initiatives of other departments, centres and facilities in the Institute working towards promoting IPR, Innovation and Start up. The council unanimously decided to carry out all the IIC activities regularly throughout the year and meet regularly at the beginning of every quarter to review the progress made in the previous quarter and plan for the upcoming quarter.

**Diversified representation in the IIC established at the institute from industry, interdisciplinary departments/ Units etc.**

**A. Brief mention of key functionaries at the IIC Institute**

Name of the Member	Member Type (Teaching Nonteaching External Expert)	Key Role /Position assigned in IIC
Dr.Mercy Mathews	Teaching	President
Divya Joseph	Teaching	Convenor
Dhannya P Joseph	Teaching	Innovation Activity Coordinator
Dr.Jesty Thomas	Teaching	NIRF Coordinator
Dr. Sandhya C	Teaching	Social media Convenor
Dr.Mathews T Thelly	Teaching	Vice President





Mr. George J Puthumana	Teaching	Internship and Startup Activity Co-Ordinator
Dr. K.R Chithra	Scientist	External Expert from Industry
Dr. Manjusha M	External Expert(Patent Attorney)	IPR consultation
Dr. Radhakrishnan E.K	External Expert from nearby incubation	Incubation expert
Mrs. Aparna Raj	Teaching	Member
Mrs. Midhila Baby	Teaching	Member
Mrs. Deepa Mary Joseph	Teaching	Member
Mrs. Shilpa Joy	Teaching	Member
Mrs. Sijimol C.G	Teaching	Member
Dr. Jaiby Joseph	Teaching	Member
Dr. Litty Joseph	Teaching	Member
Mrs. Chinchu Rani Vincent	Teaching	Member
Mrs. Chinchu Rose George	Teaching	Member
Mrs. Divya S Nair	Teaching	Member
Mrs. Jency Francis	Teaching	Member
Mr. George Sebastian	Teaching	Member
Mr. Harikrishnan K. M	Teaching	Member

B. Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution.

Total No. of IIC Members :	• 25
Total No. of Innovation Ambassadors(IAs) :	• 18 members have successfully completed the training for Innovation ambassadors in the advanced level and 20 members in the basic level.
Total No. of faculty Mentors :	• 10
Pre-Incubation Units, If any:	• Innovation and Entrepreneurship Development Centre (IEDC) approved by Kerala Start-up Mission (KSUM).
Incubation Units, If any:	• Nil
IP Facilitation Unit, If any:	• IPR CELL

C. Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus.

Entrepreneurship Development Club (EDC) with the support of District Industries Centre of Kerala, Innovation and entrepreneurship Development Centre (IEDC) with the







support of Kerala Start Up Mission- KSUM, and Young Innovators Programme(YIP), Intellectual Property Rights Cell(IPR Cell) and NSS unit of the College engages in Promotion of innovation, entrepreneurship and intellectual Property related Activities in the campus.College has a 1000 Sq.ft Workspace to promote the activities leading to entrepreneurship and innovation related activities in the campus. The college offers extensive research and innovation facilities and the details of which are published in the college website:

<https://kecollege.ac.in/wp-content/uploads/2021/04/Research-and-Innovation-Infrastructure.pdf>

### IIC Annual Report 2022-23

- **Highlight Achievements (Narrative/Graphical/tabular representation)**

Number and Different types of Innovation, Entrepreneurship and IPR activities conducted in the academic year 2022-2023

1	<p><b>Name:-</b> National Pollution Control Day</p> <p><b>Quarter:-</b> Quarter II</p> <p><b>Type:-</b> Celebration</p>
2	<p><b>Name:-</b> Innovation Day</p> <p><b>Quarter:-</b> Quarter I</p> <p><b>Type:-</b> Celebrations</p>
3	<p><b>Name:-</b> Demo Day/Exhibition/Poster Presentation of Ideas/PoC &amp; linkage with Innovation Ambassadors/Experts for Mentorship Support - Manage through YUKTI-NIR</p> <p><b>Quarter:-</b> Quarter I</p> <p><b>Type:-</b> IIC Calendar Activity</p>
4	<p><b>Name:-</b> Inter/Intra Institutional Idea Competition/Challenge/Hackathon and Reward Best Ideas - Manage through YUKTI-NIR</p>





	<p><b>Quarter:-</b> Quarter I</p> <p><b>Type:-</b> IIC Calendar Activity</p>
5	<p><b>Name:-</b> Exposure and field visit for problem identification</p> <p><b>Quarter:-</b> Quarter I</p> <p><b>Type:-</b> IIC Calendar Activity</p>
6	<p><b>Name:-</b> My Story - Motivational Session by Successful Entrepreneur/Start-up founder.</p> <p><b>Quarter:-</b> Quarter I</p> <p><b>Type:-</b> IIC Calendar Activity</p>
7	<p><b>Name:-</b> My Story - Motivational Session by Successful Innovators.</p> <p><b>Quarter:-</b> Quarter I</p> <p><b>Type:-</b> IIC Calendar Activity</p>
8	<p><b>Name:-</b> Workshop on “Entrepreneurship and Innovation as Career Opportunity”</p> <p><b>Quarter:-</b> Quarter I</p> <p><b>Type:-</b> IIC Calendar Activity</p>
9	<p><b>Name:-</b> Launch of 5G services</p> <p><b>Quarter:-</b> Quarter I</p> <p><b>Type:-</b> MIC driven Activity</p>
10	<p><b>Name:-</b> National Education Day</p> <p><b>Quarter:-</b> Quarter I</p> <p><b>Type:-</b> Celebrations</p>
11	<p><b>Name:-</b> Mentoring Event: Demo Day/Exhibition/Poster Presentation of Innovations/Prototypes &amp; linkage with Innovation Ambassadors/Experts for Mentorship Support - Manage through YUKTI-NIR</p> <p><b>Quarter:-</b> Quarter II</p> <p><b>Type:-</b> IIC Calendar Activity</p>





12	<p><b>Name:-</b> Inter/Intra Institutional Innovation Competition/Challenge/Hackathon and Reward Best Innovations - Manage through YUKTI-NIR</p> <p><b>Quarter:-</b> Quarter II</p> <p><b>Type:-</b> IIC Calendar Activity</p>
13	<p><b>Name:-</b> Field/Exposure Visit to Pre-incubation units such as Ideas Lab, Fab lab, Makers Space, Design Centres, City MSME clusters, workshops etc.</p> <p><b>Quarter:-</b> Quarter II</p> <p><b>Type:-</b> IIC Calendar Activity</p>
14	<p><b>Name:-</b> Workshop on Entrepreneurship Skill, Attitude and Behavior Development</p> <p><b>Quarter:-</b> Quarter II</p> <p><b>Type:-</b> IIC Calendar Activity</p>
15	<p><b>Name:-</b> Organising Innovation &amp; Entrepreneurship Outreach Program in Schools/Community</p> <p><b>Quarter:-</b> Quarter II</p> <p><b>Type:-</b> IIC Calendar Activity</p>
16	<p><b>Name:-</b> Workshop on Design Thinking, Critical thinking and Innovation Design</p> <p><b>Quarter:-</b> Quarter II</p> <p><b>Type:-</b> IIC Calendar Activity</p>
17	<p><b>Name:-</b> Session on Problem Solving and Ideation Workshop</p> <p><b>Quarter:-</b> Quarter I</p> <p><b>Type:-</b> IIC Calendar Activity</p>
18	<p><b>Name:-</b> Alumni Entrepreneur's MEET</p> <p><b>Quarter:-</b> Quarter II</p> <p><b>Type:-</b> Self-driven Activity</p>
19	<p><b>Name:-</b> Entrepreneurship Fostering Programme</p> <p><b>Quarter:-</b> Quarter I</p>





	<b>Type:-</b> Self-driven Activity
20	<b>Name:-</b> Product Exhibition in EUONIA Academic Carnival <b>Quarter:-</b> Quarter II <b>Type:-</b> Self-driven Activity
21	<b>Name:-</b> Skill Development Certificate Course: JAVA <b>Quarter:-</b> Quarter II <b>Type:-</b> Self-driven Activity
22	<b>Name:-</b> National Science Day <b>Quarter:-</b> Quarter II <b>Type:-</b> Celebrations
23	<b>Name:-</b> National Level Workshop on Research and IPR :Psyche Semana-2022 <b>Quarter:-</b> Quarter I <b>Type:-</b> Self-driven Activity
24	<b>Name:-</b> EDIENS: Christmas Exhibition, Sale and Food Fest <b>Quarter:-</b> Quarter II <b>Type:-</b> Self-driven Activity
25	<b>Name:-</b> Start-up and Self-Skilling (i-Talk)Awareness Programme <b>Quarter:-</b> Quarter II <b>Type:-</b> Self-driven Activity
26	<b>Name:-</b> Innovative Reels Competition <b>Quarter:-</b> Quarter II <b>Type:-</b> Self-driven Activity
27	<b>Name:-</b> Leadership Talk with Prof. T. G. Sitharam, Hon'ble Chairman, All India Council for Technical Education (AICTE) <b>Quarter:-</b> Quarter II





	<b>Type:-</b> MIC driven Activity
28	<b>Name:-</b> Orientation Session on IIC 5.0 & Features <b>Quarter:-</b> Quarter II <b>Type:-</b> MIC driven Activity
29	<b>Name:-</b> Children's Day Celebrations in Atal School <b>Quarter:-</b> Quarter I <b>Type:-</b> Self-driven Activity
30	<b>Name:-</b> SALT- STARTUP AWARENESS AND LEADERSHIP TRAINING PROGRAMME <b>Quarter:-</b> Quarter II <b>Type:-</b> Self-driven Activity
31	<b>Name:-</b> Industrial Visit <b>Quarter:-</b> Quarter II <b>Type:-</b> Self-driven Activity
32	<b>Name:-</b> Workshop on Decoration Lights <b>Quarter:-</b> Quarter II <b>Type:-</b> Self-driven Activity
33	<b>Name:-</b> Entrepreneurship drive <b>Quarter:-</b> Quarter I <b>Type:-</b> Self-driven Activity
34	<b>Name:-</b> KHERN Boot Camp <b>Quarter:-</b> Quarter II <b>Type:-</b> Self-driven Activity
35	<b>Name:-</b> 3 Days Workshop on work readiness <b>Quarter:-</b> Quarter II





	<b>Type:-</b> Self-driven Activity
36	<b>Name:-</b> Invited Talk on " An Introduction to Start up Ecosystem and Innovation Entrepreneurship " <b>Quarter:-</b> Quarter II <b>Type:-</b> Self-driven Activity
37	<b>Name:-</b> INDUSTRIAL VIST IN CARNET BOOKS PRIVATE LIMITED <b>Quarter:-</b> Quarter II <b>Type:-</b> Self-driven Activity
38	<b>Name:-</b> Training on Entrepreneurial Career <b>Quarter:-</b> Quarter II <b>Type:-</b> Self-driven Activity
39	<b>Name:-</b> Session/ Workshop on Business Model Canvas (BMC) <b>Quarter:-</b> Quarter III <b>Type:-</b> IIC Calendar Activity
40	<b>Name:-</b> International Women’s Day <b>Quarter:-</b> Quarter III <b>Type:-</b> Celebrations
41	<b>Name:-</b> Creating YUKTI Innovation Repository & Participation in Innovation Challenge <b>Quarter:-</b> Quarter III <b>Type:-</b> MIC driven Activity
42	<b>Name:-</b> Celebrating India’s presidency of the G20 <b>Quarter:-</b> Quarter III <b>Type:-</b> MIC driven Activity





43	<p><b>Name:-</b> Demo Day/Exhibition/Poster Presentation of Start-Ups &amp; Linkage with Innovation Ambassadors/Experts for Mentorship Support - Manage through YUKTI-NIR</p> <p><b>Quarter:-</b> Quarter IV</p> <p><b>Type:-</b> IIC Calendar Activity</p>
44	<p><b>Name:-</b> Organise an Inter/Intra Institutional Start-up Competition and Reward Best Start-ups - Manage through YUKTI-NIR</p> <p><b>Quarter:-</b> Quarter IV</p> <p><b>Type:-</b> IIC Calendar Activity</p>
45	<p><b>Name:-</b> Organising Innovation &amp; Entrepreneurship Outreach Program in Schools/Community</p> <p><b>Quarter:-</b> Quarter IV</p> <p><b>Type:-</b> IIC Calendar Activity</p>
46	<p><b>Name:-</b> Organise Session on “Lean Start-up &amp; Minimum Viable Product/Business”- Boot Camp (or) Mentoring Session</p> <p><b>Quarter:-</b> Quarter IV</p> <p><b>Type:-</b> IIC Calendar Activity</p>
47	<p><b>Name:-</b> Session on Innovation/Prototype Validation – Converting Innovation into a Start-up or Session on Achieving “Value Proposition Fit” &amp; “Business Fit”</p> <p><b>Quarter:-</b> Quarter IV</p> <p><b>Type:-</b> IIC Calendar Activity</p>
48	<p><b>Name:-</b> World Entrepreneurs Day</p> <p><b>Quarter:-</b> Quarter IV</p> <p><b>Type:-</b> Celebrations</p>
49	<p><b>Name:-</b> World Environment Day</p> <p><b>Quarter:-</b> Quarter IV</p> <p><b>Type:-</b> Celebrations</p>





50	<p><b>Name:-</b> Independence Day- Celebrating Aazadi Ka Amritkal</p> <p><b>Quarter:-</b> Quarter IV</p> <p><b>Type:-</b> Celebrations</p>
51	<p><b>Name:-</b> Skill Development Workshop on Soap making</p> <p><b>Quarter:-</b> Quarter III</p> <p><b>Type:-</b> Self-driven Activity</p>
52	<p><b>Name:-</b> Session on Business incubators for Entrepreneurship Development</p> <p><b>Quarter:-</b> Quarter IV</p> <p><b>Type:-</b> Self-driven Activity</p>
53	<p><b>Name:-</b> Industry Visit</p> <p><b>Quarter:-</b> Quarter III</p> <p><b>Type:-</b> Self-driven Activity</p>
54	<p><b>Name:-</b> World Water day Celebrations</p> <p><b>Quarter:-</b> Quarter III</p> <p><b>Type:-</b> Self-driven Activity</p>
55	<p><b>Name:-</b> Exhibition and Demonstration of prototypes</p> <p><b>Quarter:-</b> Quarter IV</p> <p><b>Type:-</b> Self-driven Activity</p>
56	<p><b>Name:-</b> Workshop on Business Canvas</p> <p><b>Quarter:-</b> Quarter IV</p> <p><b>Type:-</b> Self-driven Activity</p>
57	<p><b>Name:-</b> Session on “How to plan for Start-up and legal &amp; Ethical Steps”</p> <p><b>Quarter:-</b> Quarter III</p> <p><b>Type:-</b> IIC Calendar Activity</p>







58	<p><b>Name:-</b> Workshop on Intellectual Property Rights (IPRs) and IP management for start up</p> <p><b>Quarter:-</b> Quarter III</p> <p><b>Type:-</b> IIC Calendar Activity</p>
59	<p><b>Name:-</b> Workshop on Opportunities of Entrepreneurship</p> <p><b>Quarter:-</b> Quarter III</p> <p><b>Type:-</b> Self-driven Activity</p>
60	<p><b>Name:-</b> Sierra</p> <p><b>Quarter:-</b> Quarter III</p> <p><b>Type:-</b> Self-driven Activity</p>
61	<p><b>Name:-</b> Puthunampu</p> <p><b>Quarter:-</b> Quarter III</p> <p><b>Type:-</b> Self-driven Activity</p>
62	<p><b>Name:-</b> Edited book on Innovation and Entrepreneurship-Need of the day</p> <p><b>Quarter:-</b> Quarter IV</p> <p><b>Type:-</b> Self-driven Activity</p>
63	<p><b>Name:-</b> Session on Innovation Validation: converting innovation to startup</p> <p><b>Quarter:-</b> Quarter IV</p> <p><b>Type:-</b> Self-driven Activity</p>
64	<p><b>Name:-</b> Orientation on Young Innovators Programme 5.0</p> <p><b>Quarter:-</b> Quarter III</p> <p><b>Type:-</b> Self-driven Activity</p>
65	<p><b>Name:-</b> Certificate course by MSME: Python</p> <p><b>Quarter:-</b> Quarter III</p> <p><b>Type:-</b> Self-driven Activity</p>



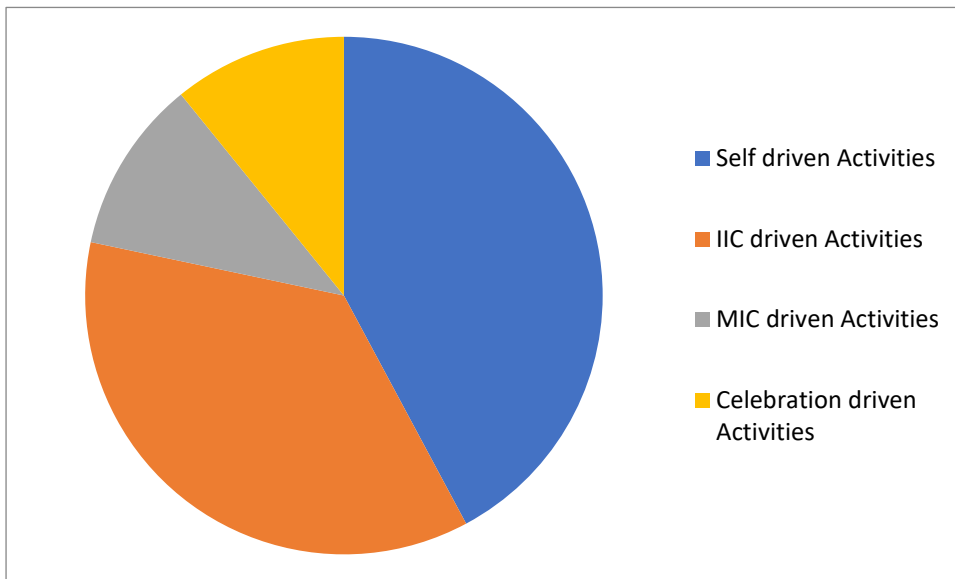


66	<b>Name:-</b> Skill Development Certificate Course by MSME: Java <b>Quarter:-</b> Quarter IV <b>Type:-</b> Self-driven Activity
67	<b>Name:-</b> IEDC Summit <b>Quarter:-</b> Quarter III <b>Type:-</b> Self-driven Activity
68	<b>Name:-</b> IIC 5.0 Annual Report (2022-23) <b>Quarter:-</b> Quarter IV <b>Type:-</b> MIC driven Activity
69	<b>Name:-</b> National Technology Week Inaugural Address of Hon'ble Prime Minister of India at 10.00 AM, 11th May 2023 <b>Quarter:-</b> Quarter III <b>Type:-</b> MIC driven Activity
70	<b>Name:-</b> Digital Pookalam Competition <b>Quarter:-</b> Quarter IV <b>Type:-</b> Self-driven Activity





### Number of Programmes



- No. of student's & faculty ideas generated - 7
- No. of student's & faculty Innovation/prototypes developed -2
- No. of IPs generated, published and granted - nil
- No. of Student & Faculty Start-ups/Ventures established.-Nil
- Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus –Rs.80214
- Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR - 0
- No. of Technology Transfer and Commercialisation happened - Nil





A. Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum.

Dr. Mercy Mathews (IEDC Nodal Officer and Assistant Professor in Physics) have acted as Resource person for IEDC nodal officers and IIC members of Devamatha College, Kuravilangadu, Kerala. One innovator team which she mentored Young Innovator Programme (YIP) was selected in the state level. 10 IEDC student members have participated in the IEDC Summit organised at Rajagiri College of Engineering College, Cochin, Kerala. Our college was ranked in 16<sup>th</sup> position among more than 500 institutes who have participated in this IEDC Summit from whole over Kerala.

**Mishel Siby** (first Year B.Sc Physics) and her team has been selected in the District Level Young Innovator Programme (YIP) by Kerala Startup Mission (KSUM) in the year 2020-21.

**Mishel Siby** (first Year B.Sc Physics) and her team has been selected in the StateLevelYoung Innovator Programme (YIP) by Kerala Startup Mission (KSUM) in the year 2020-21.





B. Participation of IIC-institute in various programs of Central and Stage Govt.  
Highlighting specially for the schemes or programs

- ARIIA –Participated and Ranked in the **Band ‘Performer’** in the arts and Science College Category
- NISP Adoptionstatus - Trained Faculty, Policy Formulation, Policy Implementation

(Adopted and in Implementation stage) - <https://kecollege.ac.in/nisp/>

C. Detail of Social Media & Connections of IIC institute

Instagram Link: [https://instagram.com/iedc\\_kec?utm\\_medium=copy\\_link](https://instagram.com/iedc_kec?utm_medium=copy_link)

Facebook Link: <https://www.facebook.com/IEDC-KE-College-Mannanam-101254215512894/>

- The Institute has established MoU with Ministry of Micro, Small, and Medium Enterprises Technology Development Centre, Kottayam, Kerala
- The Institute has established MoU with nearby incubator Technology Business Incubator, Amal Jyothi Engineering College, Kanjirappally, Kerala
- The Institute has established MoU with nearby incubator Business Innovation and Incubator Centre, M.G University, Kottayam, Kerala
- MoU is established between the institute and Rubber Board Training Institute (RTI) and Rubber Research Institute of India (RRII).
- MoU is established between the institute and Siddham Innovation and Business Incubation Centre (SIBIC), Kolhapur.
- MoU is established between the institute and Kottaram Sweet House for hands on training and skill development programmes for students.
- MoU is established between the institute and chitananda Yoga Centre, Kothanallor
- MoU is established between the institute and Tropical Institute of Ecological Sciences (TIES), Kottayam
- MoU is established between the institute and Eco Green Herbal Mission Society, Kottayam
- MoU is established between the institute and Regal Bee Gadens, Kanjar, Idukki for hands on skill training of apiculture and Melponiculture.





- MoU is established between the institute and Infarm Vjanavyapana Kendram, Bharananganam, for skill development programmes related to different farming.
  - MoU is established between the institute and IPSR Solutions Ltd Kottayam for imparting vocational skill of web designing and other similar skills.
  - MoU is established between the institute and Logic Software Solutions for imparting vocational skill of web designing and hardware and Networking.
  - MoU is established between the institute and Malanadu Development Society, Kanjirapally for skill development in milk processing.
  - MoU is established between the institute and Media Team Solutions to do certificate course on Visual Media and Communications.
  - MoU is established between the institute and St. Joseph College of Communications, Media Village Changanacherry to conduct skill training on visual media and communications
  - MoU is established between the institute and Sreedhaream Farmers India (p) Ltd to provide skill development Training in Herbal Medicines and Herbal food supplements.
  - MoU is established between the institute and Stella Maris English Language Schools to conduct skills in English.
- D. Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell [[https://youtu.be/cM\\_EIvse5dA](https://youtu.be/cM_EIvse5dA)  
<https://youtu.be/55ZsMFCVLCE> ]
- E. Contact  
[ <https://kecollege.ac.in/contact-us/> ]  
IIC President: D. Mercy Mathews, email: [mercymathews@kecollege.ac.in](mailto:mercymathews@kecollege.ac.in)

**Dr. Mercy Mathews**

IIC President

**Dr. Ison V. Vanchipurackal**  
PRINCIPAL  
KURIAKOSE ELIAS COLLEGE  
MANNANAM, KERALA - 685 561





## IIC Annual Report 2021-22

### Highlight Achievements (Narrative/Graphical/tabular representation)

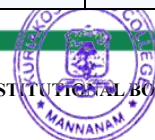
Number and Different types of Innovation, Entrepreneurship and IPR activities Conducted in the academic year 2021-2022 are tabulated below.

Sl. No.	Type	Activity	Quarter	Programme Theme
1	IIC Calendar Activity	Workshop on "Entrepreneurship and Innovation as Career Opportunity"	I	I&E
2	IIC Calendar Activity	My Story - Motivational Session by Successful Entrepreneur/Start-up founder.	I	I&E
3	IIC Calendar Activity	My Story - Motivational Session by Successful Innovators.	I	I&E
4	IIC Calendar Activity	Exposure and field visit for problem identification	I	I&E
5	IIC Calendar Activity	Session on Problem Solving and Ideation Workshop	I	I&E
6	Celebrations	India Startup Day	I	I&E
7	Celebrations	National Innovation Day	I	I&E
8	Celebrations	National Education Day	I	I&E
9	Self-driven Activity	Psycho Therapy Skill Training	I	I&E
10	Self-driven Activity	Workshop on cultivation of Oyster Mushroom	I	I&E
11	Self-driven Activity	Webinar on Angel Investing/Venture Capital Funding for Early Stage Entrepreneurs'	I	I&E
12	Self-driven Activity	I-Talk on 4th Industrial revolution and it's impact on conventional job sectors	I	I&E
13	Self-driven Activity	Seminar on Innovative methods for teaching Mathematics using Sagemath	I	I&E
14	Self-driven Activity	My Guild- Season 2	I	I&E
15	Self-driven Activity	Elaces Notes	I	I&E
16	Self-driven Activity	LED Bulb making Wokshop	I	I&E
17	Self-driven Activity	Book binding Workshop	I	I&E





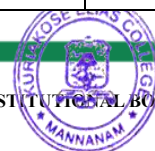
Sl. No.	Type	Activity	Quarter	Programme Theme
18	Self-driven Activity	Workshop on Research Methodology and IPR	I	IPR
19	Self-driven Activity	YUGEN-National Farmer's Day Quiz	I	I&E
20	Self-driven Activity	Tailoring Training	I	I&E
21	Self-driven Activity	webinar on Innovative Instruments for space science	I	I&E
22	Self-driven Activity	I-Talk on Innovation and Entrepreneurship	I	I&E
23	Self-driven Activity	Business idea competition	I	I&E
24	IIC Calendar Activity	Session on Achieving Problem-Solution Fit & Product-Market Fit	II	I&E
25	IIC Calendar Activity	Field/Exposure Visit to Pre-incubation units such as Fab lab, Makers Space, Design Centres, City MSME clusters, workshops etc.	II	I&E
26	IIC Calendar Activity	Workshop on Entrepreneurship Skill, Attitude and Behavior Development	II	I&E
27	IIC Calendar Activity	Developing Online Repository of Idea / Proof of Concepts (PoCs) Developed and Way forward plan	II	I&E
28	Celebrations	National Science Day	II	I&E
29	Celebrations	National Energy Conservation Day(India)	II	I&E
30	Celebrations	National Pollution Control Day	II	I&E
31	MIC driven Activity	Orientation Session on IIC4.0 & Features	II	I&E
32	MIC driven Activity	E-Symposium on Building Innovation Ecosystem in Educational Institutions- Day 1 (11th Jan 2022)	II	I&E
33	MIC driven Activity	E-Symposium on Building Innovation Ecosystem in Educational Institutions- Day 2 (12th Jan 2022)	II	I&E
34	Self-driven Activity	Two day international seminar	II	I&E
35	Self-driven Activity	Workshop of on ornamental Fishes	II	I&E
36	IIC Calendar Activity	Developing Online Repository of Ideas Developed and Way forward plan	II	I&E







Sl. No.	Type	Activity	Quarter	Programme Theme
37	Self-driven Activity	Webinar on Entrepreneurship Opportunities in Tourism Sector	II	I&E
38	Self-driven Activity	Impact Lecture Series 1	I	I&E
39	Self-driven Activity	Impact Lecture -II	II	I&E
40	Self-driven Activity	KEC- Handcraft Fiesta	II	I&E
41	Self-driven Activity	Cake Fest	II	I&E
42	Self-driven Activity	Certificate course on English soft skills	II	I&E
43	Self-driven Activity	Alumni Lecture	II	I&E
44	Self-driven Activity	OZONE day celebrations	I	I&E
45	Self-driven Activity	Cycling-ozone day	I	I&E
46	Self-driven Activity	Startup Awareness and Leadership Training	II	I&E
47	Self-driven Activity	Talk in a two week workshop of Spectroscopic structural and electrical characterization	II	I&E
48	IIC Calendar Activity	Developing Online Repository of Business Plan/Prototypes Developed and Way forward plan	III	I&E
49	IIC Calendar Activity	Workshop on Intellectual Property Rights (IPRs) and IP management for start up	III	IIPR
50	IIC Calendar Activity	Demo Day/Exhibition/Poster Presentation of Business Plan/Prototype developed & linkage with Innovation Ambassadors for mentorship support.	III	I&E
51	IIC Calendar Activity	Session on “How to plan for Start-up and legal & Ethical Steps”	III	I&E
52	IIC Calendar Activity	Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre/Technology Transfer Centre	III	I&E
53	MIC driven Activity	Refer Institutions & Earn Reward Points	III	I&E





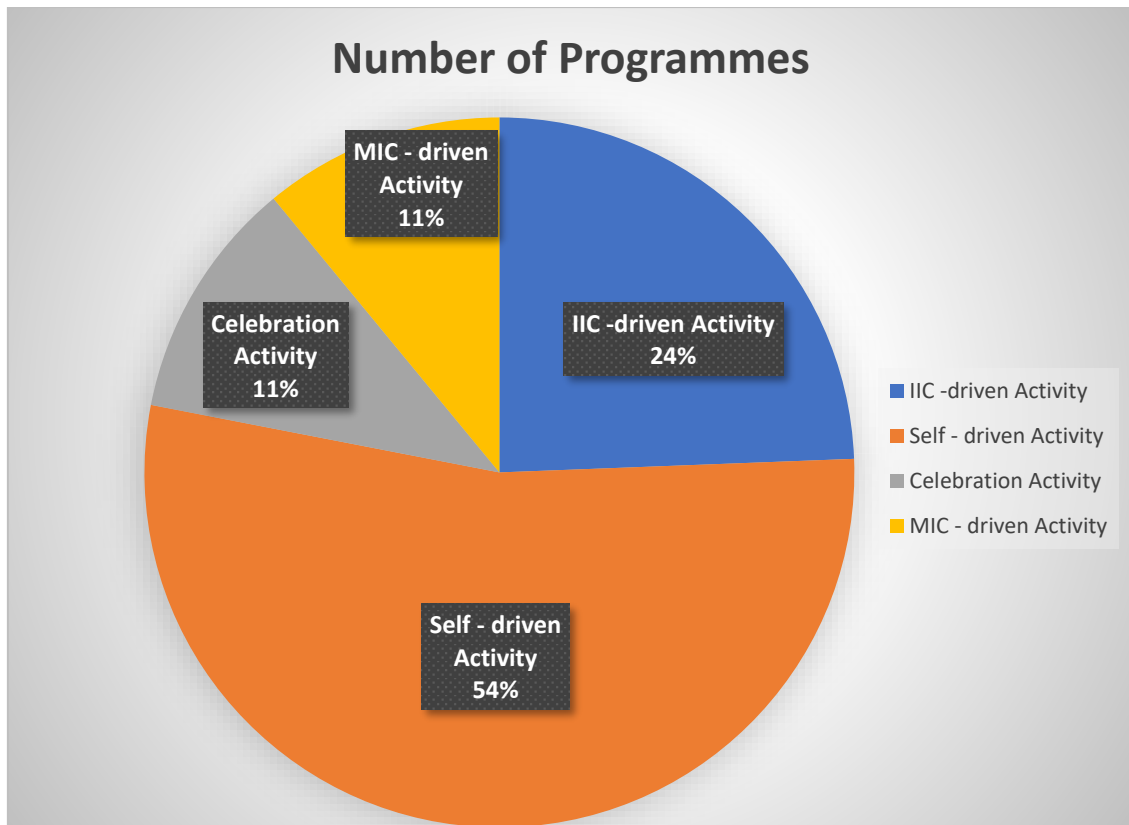
Sl. No.	Type	Activity	Quarter	Programme Theme
54	MIC driven Activity	Creation of e-Repository of e-Learning Sessions on I&E at IIC Institute	III	I&E
55	IIC Calendar Activity	Session/ Workshop on Business Model Canvas (BMC)	III	I&E
56	IIC Calendar Activity	Session/ Panel discussion with innovation and Start-up Ecosystem Enablers from the region/state/national level	IV	I&E
57	IIC Calendar Activity	Session on Accelerators/Incubation - Opportunities for Students & Faculties - Early Stage Entrepreneurs	IV	I&E
58	IIC Calendar Activity	Session on Innovation/Prototype Validation – Converting Innovation into a Start-up or Session on Achieving “Value Proposition Fit” & “Business Fit”	IV	I&E
59	Celebrations	World Environment Day	IV	I&E
60	Celebrations	Innovation & Entrepreneurship in HEIs for Aatmanirbhar Bharat & Celebrating 75 Years of Independence -Azadi Ka Amrit Mahotsav	IV	I&E
61	Celebrations	World Earth Day	III	I&E
62	IIC Calendar Activity	Workshop on Prototype/Process Design and Development – Prototyping	III	I&E
63	Self-driven Activity	Industry visit	IV	I&E
64	Self-driven Activity	Workshop on Telescope making-Training	III	I&E
65	Self-driven Activity	field visit to BIIC, MGU	IV	I&E
66	Self-driven Activity	Workshop on Women Entrepreneurship	III	I&E
67	Self-driven Activity	Entrepreneurship Training programme	III	I&E
68	Self-driven Activity	Webinar on Vermicomposting Technique	IV	I&E
69	MIC driven Activity	IIC Annual Report 2021-22	IV	I&E
70	MIC driven Activity	Participation of IIC Institutions in IIC Regional Meets	IV	I&E
71	MIC driven Activity	Building Institute Level YUKTI - National Innovation Repository (NIR)	IV	I&E





Sl. No.	Type	Activity	Quarter	Programme Theme
72	MIC driven Activity	Out of the box thinking for problem solving	IV	I&E
73	Self-driven Activity	Visit to School of Chemical Sciences and Institute for Integrated Programs and Research in Basic Sciences MG University, Kottayam	IV	I&E
74	Self-driven Activity	Skill Training Programme on Apiculture	IV	I&E
75	Self-driven Activity	Webinar Self-reliance through Productivity	III	I&E
76	Self-driven Activity	Entrepreneurship Awareness Program	IV	I&E
77	Self-driven Activity	Webinar on Publishing Entrepreneurship	IV	I&E
78	Self-driven Activity	Field visit to Kannan Devan tea factory	IV	I&E
79	Self-driven Activity	Exhibition cum Sale	III	I&E
80	Self-driven Activity	Workshop on Entrepreneurship through Aquarium Making	III	I&E
81	Self-driven Activity	skill development Workshop on preparation of hand sanitiser and soap making	IV	I&E
82	Self-driven Activity	Field Visit to National Institute of Rubber Training, Puthuppally	IV	I&E





- No. of student's & faculty ideas generated - **6**
- No. of student's & faculty Innovation/prototypes developed - Nil
- No. of IPs generated, published and granted - nil
- No. of Student & Faculty Start-ups/Ventures established - Nil
- Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus – **Rs.119786**
- Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR - **10000**
- No. of Technology Transfer and Commercialisation happened - Nil





F. Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum.

Dr. Mercy Mathews (IEDC Nodal Officer and Assistant Professor in Physics) has acted as Resource Speaker in innovation and entrepreneurship week conference held from 12-07-2021 to 18-07-2021 organized by Yuva IncubateD and K.I.T.E.S Education. She was the Jury Member in the Yuva Innovator Challenge 2021, a Launch pad for Young Innovators and Aspiring Entrepreneurs. She was also the mentor of two school idea teams and one college idea group in the Yuva Innovator Challenge 2021. One innovator team which she mentored Young Innovator Programme (YIP) was selected in the state level. The College has been selected as the 2<sup>nd</sup> runner-up in top performing institutes and best emerging IEDC in the IEDC Summit organised in St. Joseph’s engineering college, Pala, Kottayam, Kerala. The College awarded with a cash prize of Rs 10,000 for the same.

<b>Mishel Siby</b> (first Year B.Sc Physics) and her team has been selected to final round of the Yuva Innovator Challenge 2021.
<b>Vashnavi S</b> ( 2 <sup>nd</sup> year M.Sc Physics) and her team have been selected to state level in the Young Innovator Programme (YIP) by Kerala Startup Mission (KSUM) in the year 2020-21.
<b>Ammu Mariyam George</b> (2 <sup>nd</sup> year M.Sc Analytical Chemistry) and her team have been selected to state level in the Young Innovator Programme (YIP) by Kerala Startup Mission (KSUM) in the year 2020-21.
<b>Mishel Siby</b> (first Year B.Sc Physics) won the first prize of Rs 5000 in the online Coding Event & Idea Pitching (AASTRA 21) conducted by IEDC and Department of Master of Computer Applications in association with Calibroz cyber campus, Sree Narayana Institute of Technology, Kollam.

Participation of IIC-institute in various programs of Central and Stage Govt. Highlighting especially for the schemes or programs

- ARIIA –Participated and Ranked in the **Band ‘Performer’** in the arts and Science College Category





- NISP Adoption status - Trained Faculty, Policy Formulation, Policy Implementation

(Adopted and in Implementation stage) - <https://kecollege.ac.in/nisp/>

**Dr. Mercy Mathews, IIC President**

**Dr. Ison V. Vanchipurackal**

**PRINCIPAL  
KURIAKOSE ELIAS COLLEGE  
MANNANAM, KERALA-685 561**





## IIC Annual Report 2020-21

### Highlight Achievements (Narrative/Graphical/tabular representation)

Number and Different types of I&E and IPR activities Conducted

Sl No	Type	Activity Name	Nature of Activity
1.	IIC Calendar Activity	Workshop on Intellectual Property Rights (IPRs) and IP management for start up	IPR
2.	IIC Calendar Activity	Orientation Session on National Education Policy (with a focus on I&E	I&E
3.	IIC Calendar Activity	My Story - Motivational Session by Successful Entrepreneur/Startup founder.	I&E
4.	IIC Calendar Activity	IIC Council formation or upgradation (of existing council) at Institute level	I&E
5.	IIC Calendar Activity	Workshop on “Entrepreneurship and Innovation as Career Opportunity”	I&E
6.	IIC Calendar Activity	My Story - Motivational Session by Successful Innovators	I&E
7.	IIC Calendar Activity	Idea/ PoC pitching & validation and Institute level PoC competition. Submission of Idea/PoC on IIC Portal	I&E
8.	IIC Calendar Activity	Orientation Session on National Innovation and Startup Policy (NISIP)	I&E
9.	Self-driven Activity	Skill Training on Art of Bee keeping- Apiculture	I&E
10.	Self-driven Activity	Women Entrepreneurship Day Celebration	I&E
11.	IIC Calendar Activity	Orientation session for all students & faculties of Institute by Innovation Ambassador(s).	I&E
12.	IIC Calendar Activity	Interactive Session/Mentoring Session with "Successful Start-up founders" (Entrepreneurs in Campus)	I&E
13.	IIC Calendar Activity	Business Plan/Prototype Competition to Invite Innovative Business Models from Students	I&E
14.	MIC driven Activity	Session on Why IP is important in academia?	IPR
15.	IIC Calendar Activity	Orientation session for all students & faculties of Institute by Innovation Ambassador	I&E





16.	IIC Calendar Activity	Session on Accelerators/Incubation - Opportunities for the Students & Faculties - Early Stage Entrepreneurs	I&E
17.	IIC Calendar Activity	Session on Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs.	I&E
18.	IIC Calendar Activity	Session on Building an Innovation/ product fit for market	I&E
19.	IIC Calendar Activity	Mentorship Session for Innovators (or) Student Entrepreneurs through experts and (or) Innovation Ambassadors/Innovation Agent	I&E
20.	Self-driven Activity	My Guild	I&E
21.	Self-driven Activity	Skill Training	I&E
22.	Self-driven Activity	oxygen plant visit	I&E
23.	Self-driven Activity	Industry Visit	I&E
24.	IIC Calendar Activity	Session on “How to plan for Start-up and legal & Ethical Steps”	I&E
25.	IIC Calendar Activity	Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre/Technology Transfer Centre/ Co- working spaces	I&E
26.	Self-driven Activity	Talk on Technology Business Innovation Process	I&E
27.	Self-driven Activity	Talk on Entrepreneurial Competencies	I&E
28.	Self-driven Activity	Talk on Waste to value	I&E
29.	Self-driven Activity	Talk on Design mapping for Incubation- Case Study	I&E
30.	Self-driven Activity	Talk on High Tech Startups	I&E
31.	Self-driven Activity	Talk on Startup Eco System	I&E
32.	Self-driven Activity	Talk on Basics of Starting a startup	I&E
33.	Self-driven Activity	Talk on Research and Innovation	I&E





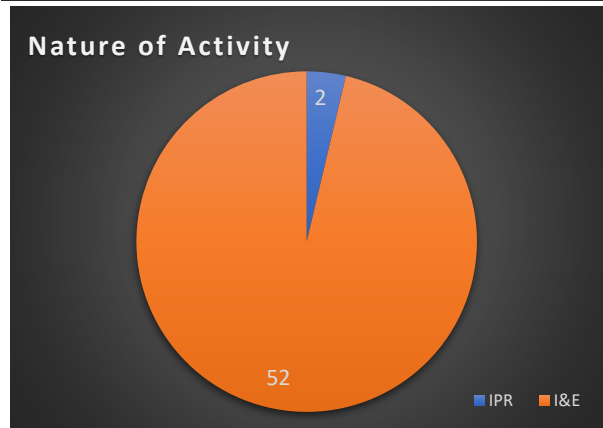
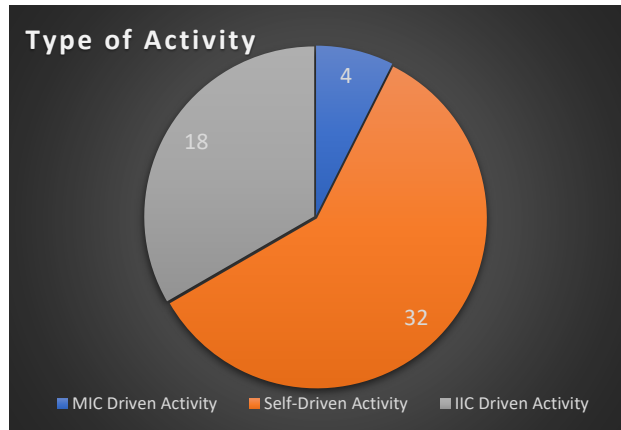


34.	Self-driven Activity	Talk on Innovation inspired by Nature	I&E
35.	Self-driven Activity	Skill Workshop	I&E
36.	Self-driven Activity	Apiculture Skills Training	I&E
37.	Self-driven Activity	Skill Training on Drafting and Layering Skills	I&E
38.	Self-driven Activity	Skill Training on Aquaponics Skills	I&E
39.	Self-driven Activity	World youth Skills Day Celebration	I&E
40.	MIC driven Activity	Talk on From your Ph.D./Masters Thesis to a start-up	I&E
41.	MIC driven Activity	National Webinar on Research, Innovation and Ranking	I&E
42.	MIC driven Activity	World Entrepreneurs Day Celebration	I&E
43.	Self-driven Activity	Recycling Arts Environment Day Celebration	I&E
44.	Self-driven Activity	Orientation to Faculty by nodal officers	I&E
45.	Self-driven Activity	Webinar on ‘Artificial Intelligence & Machine Learning- Will they replace us or provide new opportunities?’	I&E
46.	Self-driven Activity	Skill Fest -World entrepreneurs’ day and small industries day celebrations	I&E
47.	Self-driven Activity	Invited talk on starting a start up	I&E
48.	Self-driven Activity	Inauguration of Kerala Knowledge Mission Employer's Portal, YIP 2021 and Job fair	I&E
49.	Self-driven Activity	Soft skills Development and Training-Opportunities in Python	I&E
50.	Self-driven Activity	Hackathon	I&E
51.	Self-driven Activity	Reading in the Artificial Intelligence Era: Relevance, Sine qua non, Possibilities and Challenges in Entrepreneurship	I&E
52.	Self-driven Activity	Soft skill training Series: Session on Communication skills in English	I&E





53.	Self-driven Activity	Reimagine, recreate, restore nature video competition	I&E
54.	Self-driven Activity	Orientation program on innovation activities for students	I&E



- No. of student’s &faculty ideas generated - 6
- No. of student’s & faculty Innovation/prototypes developed -Nil
- No. of IPs generated, published and granted - nil
- No. of Student &Faculty Start-ups/Venturesestablished. -Nil
- Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus –**Rs.66000**
- Amount grant or fund supported to student &Faculty lead Innovations, start-ups and IPR - **10000**
- No. of Technology Transfer and Commercialisation happened - Nil





**Highlight few best IIC Faculty/Student members and their achievements/  
Rewarded for the innovations at different forum:**

Dr. Mercy Mathews (IEDC Nodal Officer and Assistant Professor in Physics) was the mentor of two school idea teams and one college idea group in the Yuva Innovator Challenge 2021 .One innovator team which she mentored in Young Innovator Programme (YIP) was selected in the state level.

**Mishel Siby** (first Year B.Sc Physics) and her team has been selected to second round of the Yuva Innovator Challenge 2021.

**Vashnavi S**( 2<sup>nd</sup> year M.Sc Physics) and her team have been selected to state level in the Young Innovator Programme (YIP) by Kerala Startup Mission (KSUM).

**AmmuMaiyamGeorge**(2<sup>nd</sup> year M.Sc Analytical Chemistry) and her team have been selected to state level in the Young Innovator Programme (YIP) by Kerala Startup Mission (KSUM).

Participation of IIC-institute in various programs of Central and Stage Govt.  
Highlighting specially for the schemes or programs

- ARIIA – participation and Rank  
**(Participated in last year) – Results waiting**
- NISP Adoptionstatus - Trained Faculty, Policy Formulation, Policy Implementation  
**(Adopted and in Implementation stage) - <https://kecollege.ac.in/nisp/>**

**Dr. Mercy Mathews**  
IIC President, IEDC Nodal Officer

**Dr. Xavier C.S CMI**

**PRINCIPAL  
KURIAKOSE ELIAS COLLEGE  
MANNANAM, KERALA - 685 561**





## 2. ESTABLISHMENT OF INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE (IEDC)

### IEDC Annual Report 2022-23

#### 1. Report of Alumni Entrepreneur’s meet

Global Alumni meet was conducted 26 January, 2023 with special emphasis given for Alumni Entrepreneurs. The meeting started at 2pm in Fabian Hall where 21 Alumni Entrepreneurs have attended. Total 160 participants have actively attended this meeting where all the alumni entrepreneurs were honoured by the chief guest Mr. V.G Vinodkumar, Superintendent of Police, Kottayam and Fr. Mathew Chakkalackal, Manager of the college.

**KURIAKOSE ELIAS COLLEGE MANNANAM**

**GLOBAL ALUMNI MEET & ALUMNI ENTREPRENEURS MEET**

**ഒരു വട്ടം കുറ്റി...**

**Chief Guest**  
  
 Mr. V. G. Vinodkumar  
 Superintendent of Police  
 Vigilance & Anti Corruption Bureau  
 Eastern Range, Kottayam

**President**  
  
 Rev. Fr. Mathews Chakkalackal CMI  
 Manager  
 Kuriakose Elias College

**26 January 2023**  
**Thursday, 02:00 PM**  
**Venue: Fabian Hall**

**Convenors:**  
 Adv. Royce Chirayil  
 Sri. Joseph Devasia Panmankal  
 Adv. V. R. B. Nair  
 Sri. Manoj Kumar V. R.  
 Dr. Jollyamma Mathew  
 Dr. George Joseph Nadackal  
 Dr. Arju Augustine  
 Dr. Mercy Mathews  
 Ms. Divya Joseph

Kindly grace the occasion with your valuable presence...

**Fr. Biju Thomas CMI**  
Bursar

**Fr. Dr. Xavier C.S. CMI**  
Vice Principal

**Prof. (Dr.) Ison V. Vanchipurackal**  
Principal





# KURIAKOSE ELIAS COLLEGE MANNANAM



## Honouring the Alumni Entrepreneurs





# KURIAKOSE ELIAS COLLEGE MANNANAM



## GLOBAL ALUMNI MEET 2023





# KURIAKOSE ELIAS COLLEGE MANNANAM



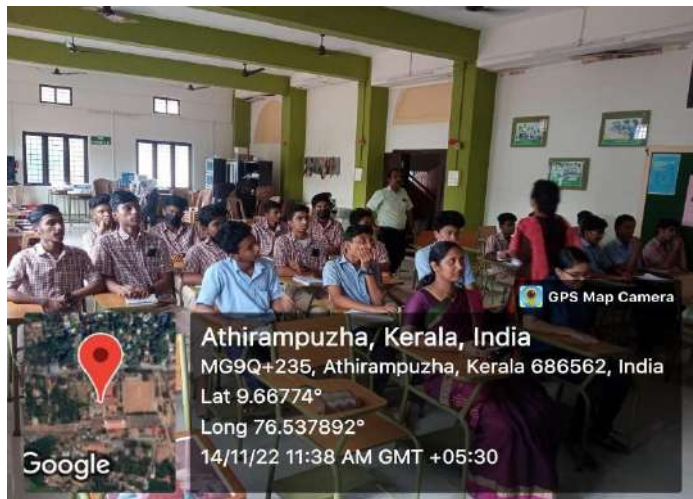
Honouring Former Teachers





## 2. Report of Mentoring in Atal School

It is a hands on training by Ministry of Innovation Council and mentoring sessions through ATAL Tinkering LAB of St. Aloysius School, Athirampuzha on 14-11-2022. This programme was conducted in connection with children day celebrations. Total 30 students have actively



participated in this programme. Dr. Mercy Mathews and Mrs. Divya Joseph have given mentoring to the students who have participated in this program.

## 3. Report of Talk Session on “Innovations from Biotechnology”

A talk session was conducted by Dept. of Zoology, IEDC and IIC on December 8, 2022. Resource person was Dr. Radhakrishnan E.K., Director of Business innovations and Incubation Center (BIIC), M.G University, Kottayam. The program was organized by IEDC student leader Mr. Aswanidev and IqAC co-Ordinator Dr. Sandhya C. Programme was started with a welcome address by Dr. Sandhya C at 2pm in Fabian Hall. Students learned how new innovative ideas turned into startups in BIIC. More than 80 students and 4 faculty members have actively participated in this programme.







#### 4. Report of Hackathon based on Campus Innovations

A Hackathon competition based on innovations from campus was conducted to find out best innovative solution for different problems faced by the students in the campus. There were 4 problems given to the students and asked for proposing a solution with an idea. Total 30 students participated in this completion and all the problems were addresses by the students.





Selected solutions were invited for further presentation in front of the judges and best solution was awarded 1<sup>st</sup> prize.

The poster is titled "Kuriakose Elias College Mannanam Innovation and Entrepreneurship Development Centre Presents Campus Innovations". It features logos for the college, IEDC, and IPL (Innovators' Premier League). The text describes it as an ideation programme focusing on campus problems. It lists four problem categories: Lack of educational interest among students, Invasion of stray dogs, Food waste, and Ineffective use of library by students. It asks students to select one problem and propose a solution, submit ideas via a link, and mentions attractive cash prizes for winners. The last date of submission is 5 Jan 2023. Contact information for Dr. Mercy Mathews (IEDC Nodal Officer) and IEDC Leads is provided.

First Prize

Problems about Food waste : Sourav K. R, B. Sc Mathematics, II year

Problems about Plastic waste : Pavithra Pradeep, B. Com Computer Application (Aided), III year

Problems about Invasion of stray dogs : Mishel Sibi, B. Sc Physics, III year

Problems about Ineffective use of library : Shifana S, B. Com (aided), I year

**5. Report of Invited Talk on " An Introduction to Start up Ecosystem and Innovation Entrepreneurship "**

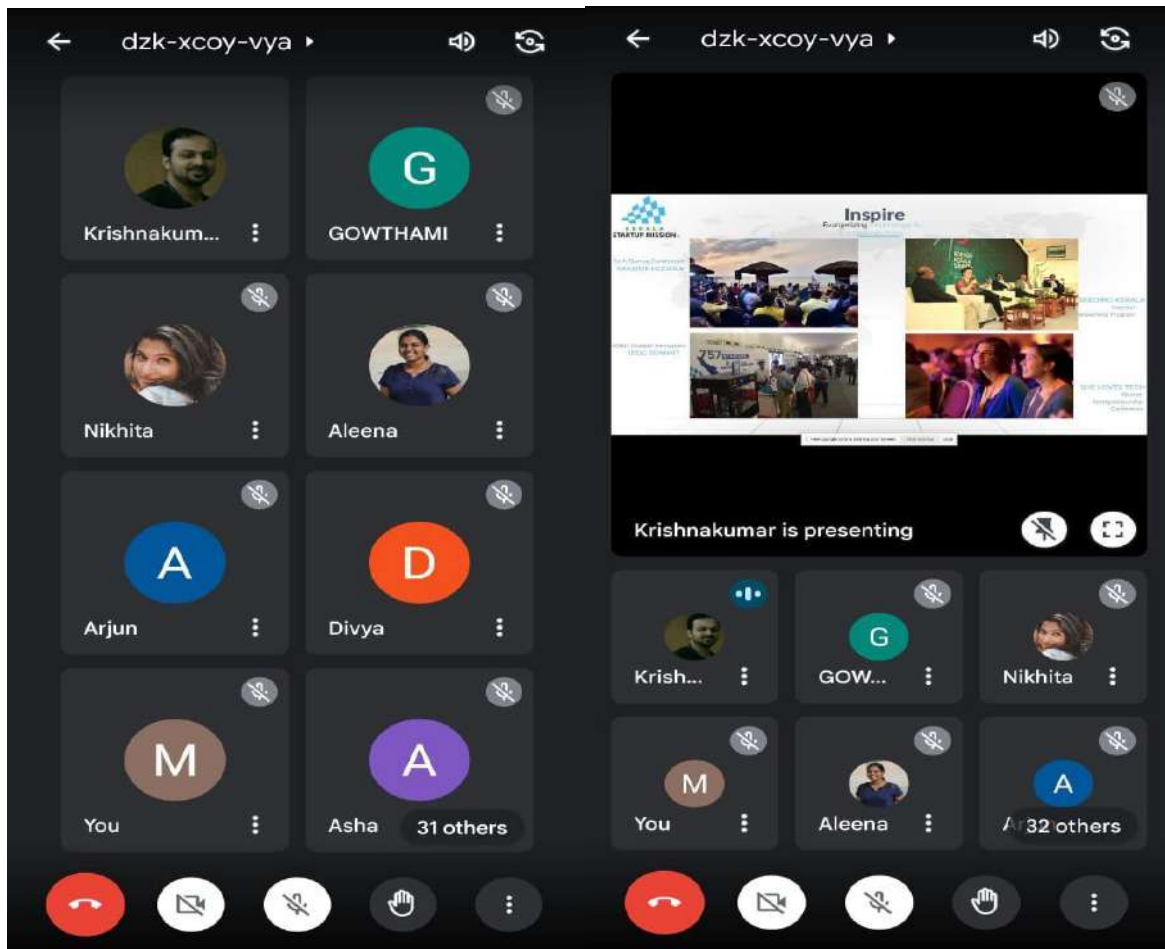
Research and Post Graduate Department of Economics in association with ICC and IEDC conducted an invited talk on " An Introduction to Start up Ecosystem and Innovation Entrepreneurship " on 25th February 2023 at 5:30 pm through Google meet. Google meet code : dzk-xcoy-vya.

The programme started with a silent prayer. Dr. Rinu Jose, Head of the Department of Economics welcomed the gathering. Mr. Krishnakumar M, Project Coordinator, Lead Business Incubation, Trivandrum was the resource person. This talk was an informative one for students who are looking for start a start up. Mr. Krishnakumar explained the steps to





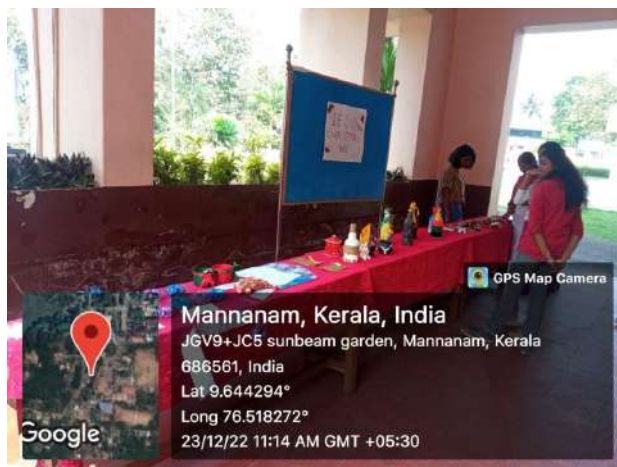
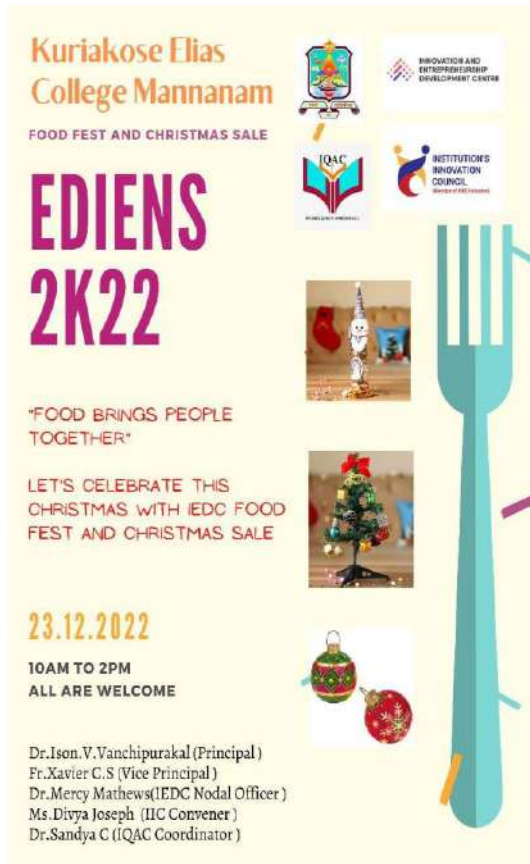
begin a startup, what are the challenges and difficulties we want to face during the inception period as well as the growing period, what are the important government support, etc in an interesting manner. 39 members including faculty and students were participated. Dr. Ison Vanchipurackal, Principal, Rev. Dr. Xavier C S, vice principal, Dr. Rinu Jose, HOD and Department coordinator, Ms. Mettilda George, Department joint coordinator, Dr. Mercy Mathews, IEDC Nodal Officer and Ms. Divya Joseph, IIC Convenor were the programme coordinators. The program ended at 6:30 pm with a vote of thanks by Kumari Swathy Nair.



## 6. Report of EDIENS 2K22

IEDC Food FEST and Christmas Sale was conducted by IEDC and IIC on December 23, 2022. Students and Staffs brought many innovative handcraft Christmas items for sale. There were many food items including snacks and drinks available for sale on the same date. More than 500 students and 78 faculty members have actively participated in this programme.





### 7. Energy Conservation Awareness Programme at schools in Idukki Dist

Date of the event :23<sup>rd</sup> and 24<sup>th</sup> November 2022

Platform :offline

Name of the event. :Energy Conservation Awareness Programme at schools in Idukki Dist

No of days: 2 days

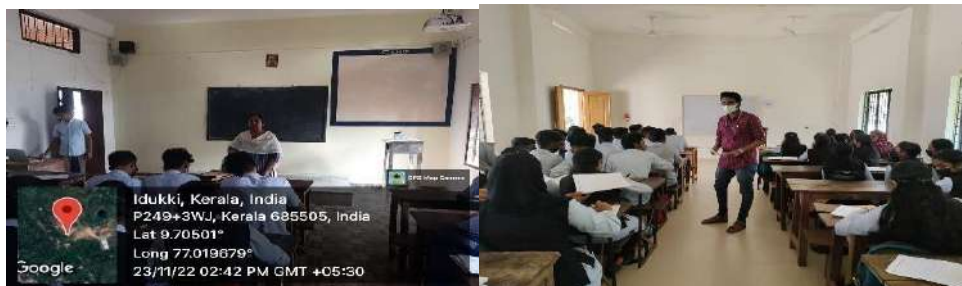
Number of participants: almost 800 Students of 13 Schools

The department of Physics with applied electronics conducted two day awareness Programme on the conservation of energy to the schools students at Idukki District.





The Staff Members of the Department Ms Deepthi S Nair, Mr. Anish Kumar P.S, MsSruthy S, Ms Sunu Ann Thomas and Mr Manu P Rajan visited 13 schools in Idukki District and gave an awareness to around 800 students on how to conserve energy and the various methods they could adopt to reduce the electricity consumption. This program served as an unique opportunity that facilitated the students to become aware about the efficient and safe usage of electronic and electrical appliances





### 8.Report of Entrepreneurship Fostering Programme

Entrepreneurship fostering Courses were started by Dept. of Social Work, IEDC and IIC from November8, 2022 onwards. Different certificate courses namely Candle making, Toilet and Laundry soap making, Beautician course, Umbrella making, Paper bag making etc. The program was conducted in KEDAS room. More than 20 students and 4 faculty members and 25 people from outside campus have actively participated in this programme.

**KURIAKOSE ELIAS DEVELOPMENT ACTION & SERVICE SOCIETY (KEDAS) & K E COLLEGE, MANNANAM**

**ENTREPRENEURSHIP FOSTERING PROGRAMMES**

**Courses**

Candle Making	- 3 Days ₹500/Head
Toilet & Laundry	- 3 Days ₹500/Head
Soap Making.	- 3 Days ₹500/Head
Beautician Course	- 8 Days ₹1000/Head
Umbrella Making.	- 4 Days ₹500/Head
Paper Carry Bag.	- 4 Days ₹500/Head

Interested Students & Teachers Please Contact 7029650251

Time 03.30PM-04.30PM

**CHASS** CHANGANGACHERY SOCIAL SERVICE SOCIETY

### 9.Report of Presentation of Innovations in Euonia Carnival

IEDC, K.E College has arranged an opportunity for students of the college present their innovations or prototypes in M.G University Academic Carnival, Euonia. Few students have presented their innovations Exhibition Stall in Nagambadam on 17-01-2023 till 18-01-2023 from 10am till 4pm. Many faculty members and hundreds of students of different colleges have actively participated in this programme. More than 500 students of the college have actively participated in this programme.

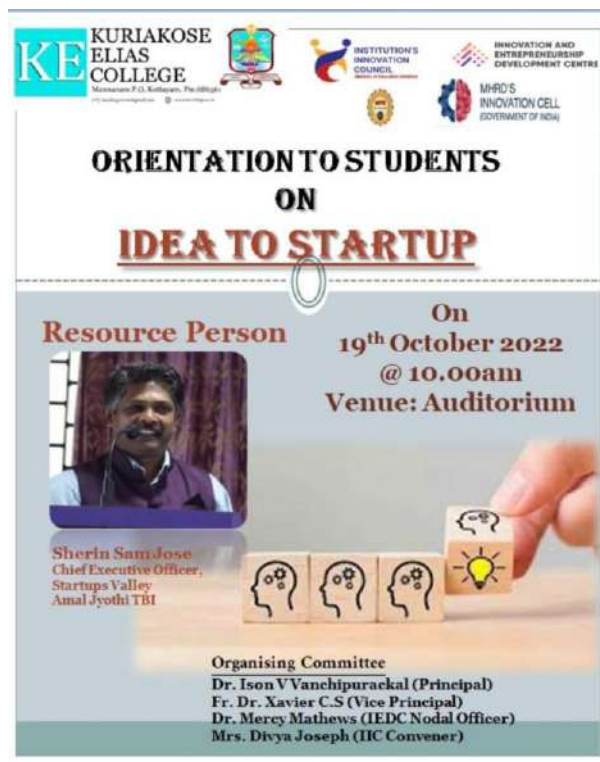




### 10.Report of Orientation Programme”Idea to Start up”

An orientation programme for encouraging students to get into entrepreneurship career,was conducted byIEDC and IIC on October19, 2022.More than 900 students have participated actively in this programme. It was a full day orientation programme handled by Mr. Sherin Sam Jose, Chief Executive officer, Startup Valley, Amal Jyothi TBI. The Programme started with a welcome address by Dr. Mercy Mathews, IEDC Nodal officer. Students got an awareness about how their idea can be transformed to a start-up and the challenges and supports they will face during that journey.





## 11.Environment Day Celebrations

The World Environment Day was commemorated on June 5, 2023, by the Innovation and Entrepreneurship Development Centre (IEDC) and Innovation and Incubation Centre (IIC) of the college, in collaboration with the Department of Physics. The occasion was marked by the creation of Seed Pens using waste paper. These eco-friendly paper pens not only combat the issue of plastic pollution but also contain embedded seeds that can sprout into trees. The paper pens were made by first-year M.Sc Physics students using waste papers. The refill was rolled in paper and secured with glue. Each pen was designed to house two or three vegetable seeds, such as ladies finger and bringal, at its rear end. When the pens are disposed of, the paper decomposes in the soil, allowing the seeds to germinate and grow into plants. Dr. Mercy Mathews, the IEDC Coordinator, headed this environmentally conscious endeavor. In an additional effort to address environmental pollution issues, the department took the initiative to plant ornamental plants within its premises. This endeavor aimed to foster an environmentally conscious culture among the students, promoting a greener and more sustainable environment.









### 12. Report of MSME Approved One month certificate course on JAVA

A one month certificate course was started on December 19, 2022 especially for SC/ST students of the college. The program was conducted in collaboration with MSME. It is a one month certificate course to promote entrepreneurship and placement possibilities among SC/ST and general category students. The programme is approved and sponsored by MSME Technology Development Centre, Ettumanoor branch.

Total 19 students have actively participated in this programme. Mrs. Anitta T Manuel, Assistant Professor, Computer Science Department, K.E College, Mannanam served as the resource person and the computer lab was used for taking hands on training. As part of skill development program in collaboration with MSME, this program was the first initiative.

The programme was conducted mainly for SC/ST students for free of cost. The batch contained 19 students amongst more than 70% of the students were SC/ST students from different departments of the college.





**KURIAKOSE ELIAS COLLEGE, MANNANAM**  
**INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE**  
 Presents  
**MSME ONE-MONTH CERTIFICATE COURSE**  
**On**  
**Programming Language : Java**

**Resource Person :**  
**Mrs.Anita T Manuel**  
 (Assistant Professor, Dept.of Computer Science, K.E College )

**VENUE : SELF-FINANCING BLOCK**

Central ministry approved certification  
 Internships, Placements etc.  
 Completely free for SC/ST students.  
 Course is open for General Category students too.

Those who are interested, please do contact :  
 Dr.Mercy Mathews (IEDC Nodal Officer )  
 Ph : +91 97478 78793



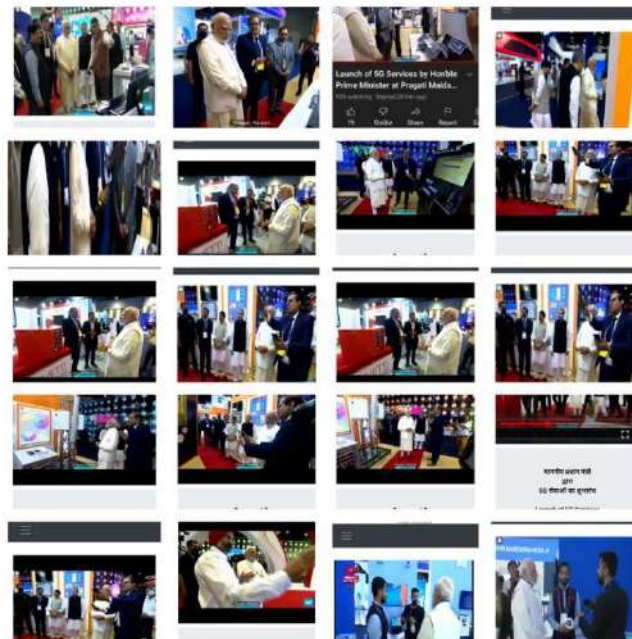


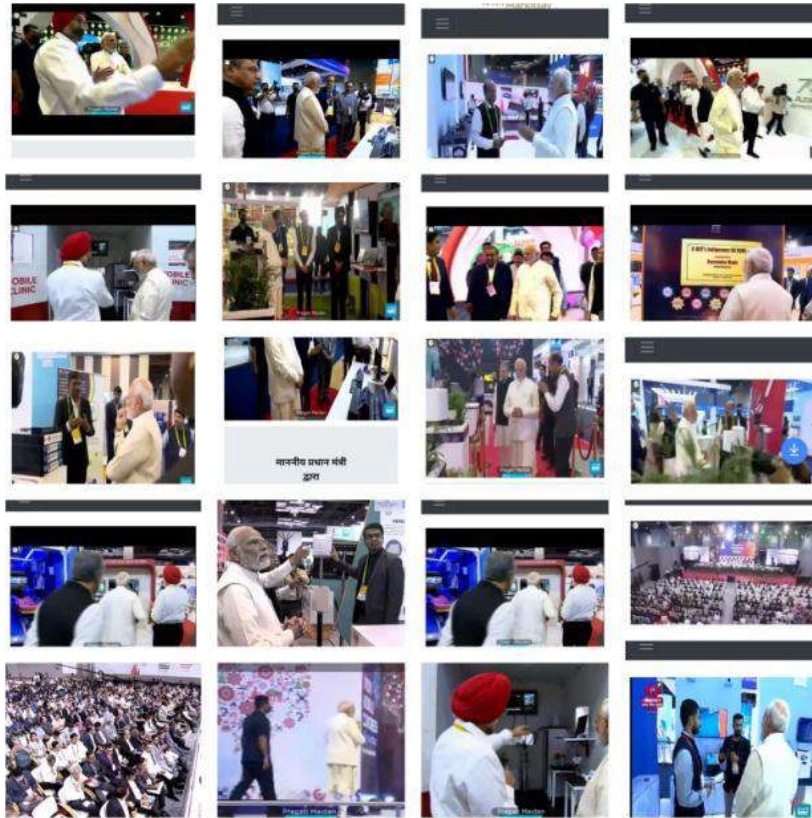




### 13.Report of MIC driven Activity of Launch of 5G Services

Launch of 5G Services, an MIC driven program which was held on online October 1st 2022. 140 students and 45 Faculty members of the college has participated actively in this program. Honorable Priminister Sri. Narendra Modi had launched the new 5G services which broadcasted onle in youtube channel of MIC. Many stalls have exhibited their very innovative products and all the students and faculties of many colleges and universities could see the program online.





### 14.Report of MEME Competition

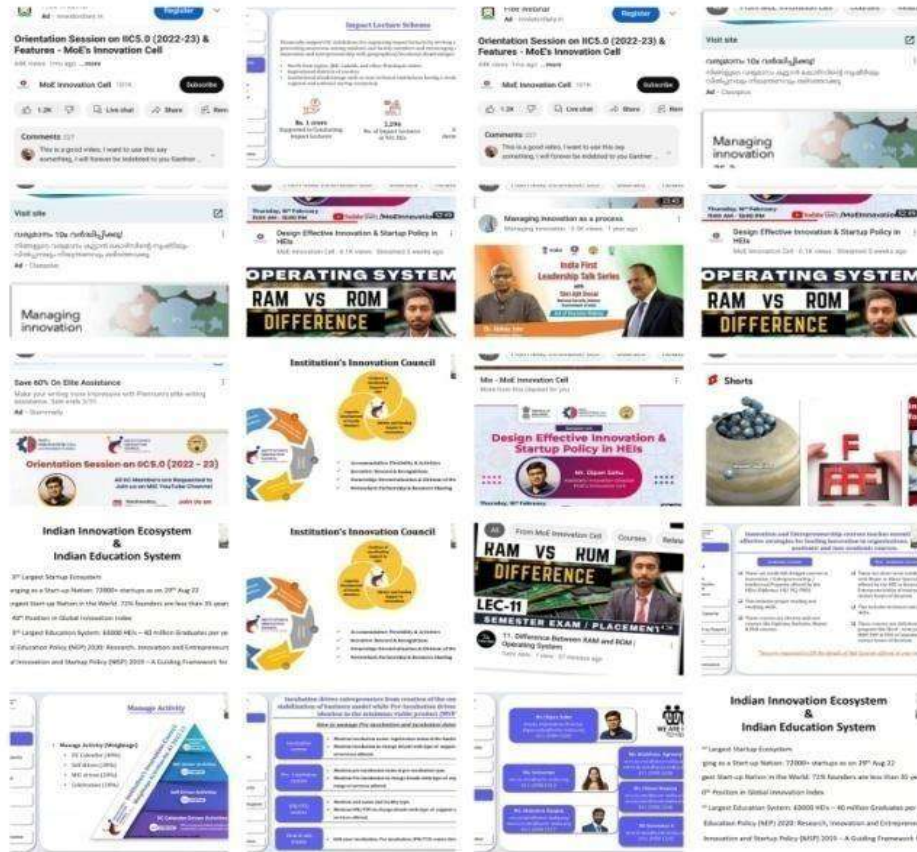
In connection with National Education day a competition of making of MEME was conducted by IEDC, and IIC on November 11, 2022. Innovation, novelty and creativity of students in making MEME are assessed in this activity. 14 students have participated in this competition.

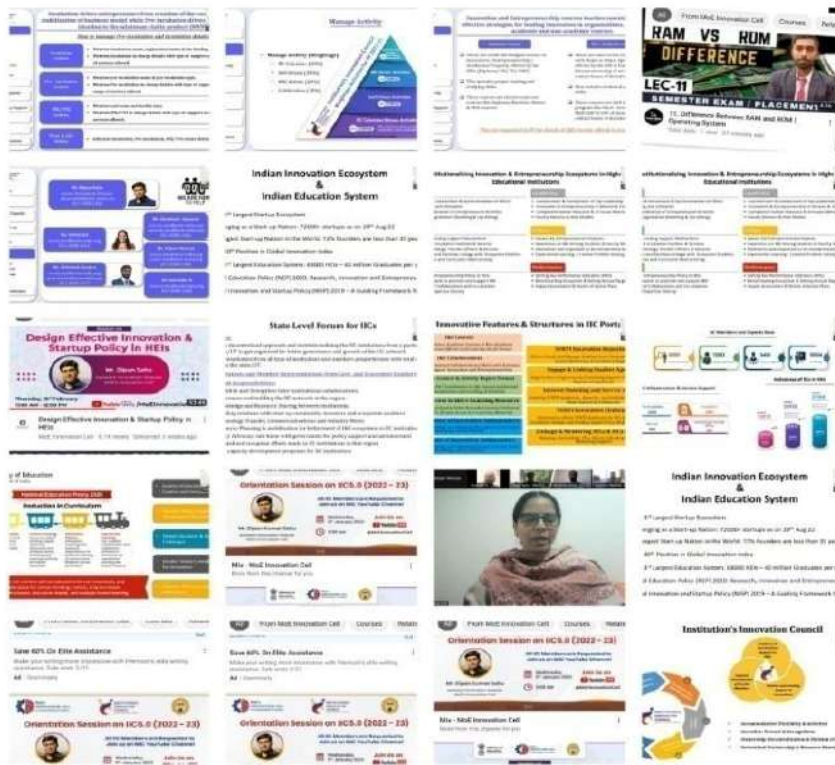




### 15.Report of MIC driven Activity of Leadership Talk with Prof. T. G. Sitharam, Hon'ble Chairman, All India Council for Technical Education (AICTE)

An MIC driven program which was held on online January 31st 2023.110 students and 42 Faculty members of the college has participated actively in this program. A leadership talk by Prof. T.G Sitharam Hon'ble Chairman, All India Council for Technical Education (AICTE) which broadcasted online in YouTube channel of MIC. All the students and faculties of who have participated in this program have benefitted very well and realized the importance of Start-up promotion.

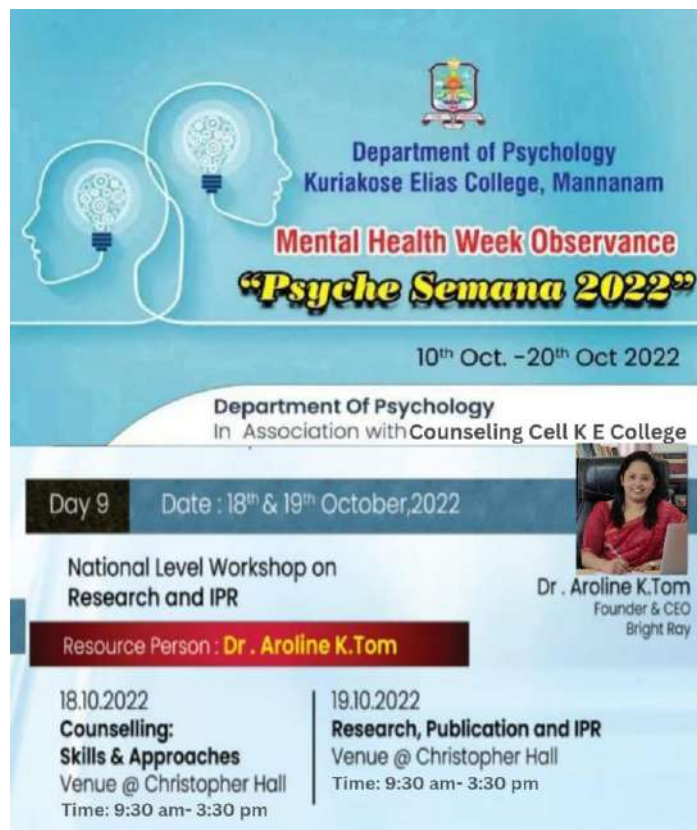




### 16. Report of National Level Workshop on Research and IPR :Psyche Semana-2022

National seminar on Research and IPR was conducted on October 10-20, 2022 by Dept. of Psychology. This programme was on the basis of mental Health week Observance. On Day 9 the resource person Dr. Aroline K Tom, Founder and CEO Bright Ray has taken a session on IPR in Research. More than 90 students have participated actively in this programme. It was a full day orientation programme.





## 17. Report of NOUVEL 2022, KEC Handicrafts and Sweets Fiesta

In accordance with the directives of the Mahatma Gandhi National Council of Rural Education and as part of the commemoration of Women's Entrepreneurship Day, the Innovation and Entrepreneurship Development Centre, the Institution's Innovation Council, and the SESRE Cell organised a KEC Handicrafts and Sweets Fiesta on November 16, 2022 at Kuraikose Elias College, Mannanam. The fiesta's main goals were to encourage students to pursue vocational education, enhance their skills, and engage in rural business.

Student self-help groups were initially created, and after a week, they chose the most promising business ventures. By November 15, 2022, the sweet recipes and crafts got ready. On November 16, 2022, IEDC coordinator Dr. Mercy Mathews gave a warm welcome to the group. Prof. Dr. Ison V. Vanchipurackal officially opened the fiesta and vice principal Fr. Xavier C.S., and bursar Fr. Biju Thomas Thekkekuttu, felicitated the gathering. Dr. Mathews T. Thelly, convenor of the SESRE cell, offered a vote of thanks. 92 faculty members and 750 students actively participated in the programme. Students enthusiastically promoted and sold their goods from stalls that had been set up in the ground floor.







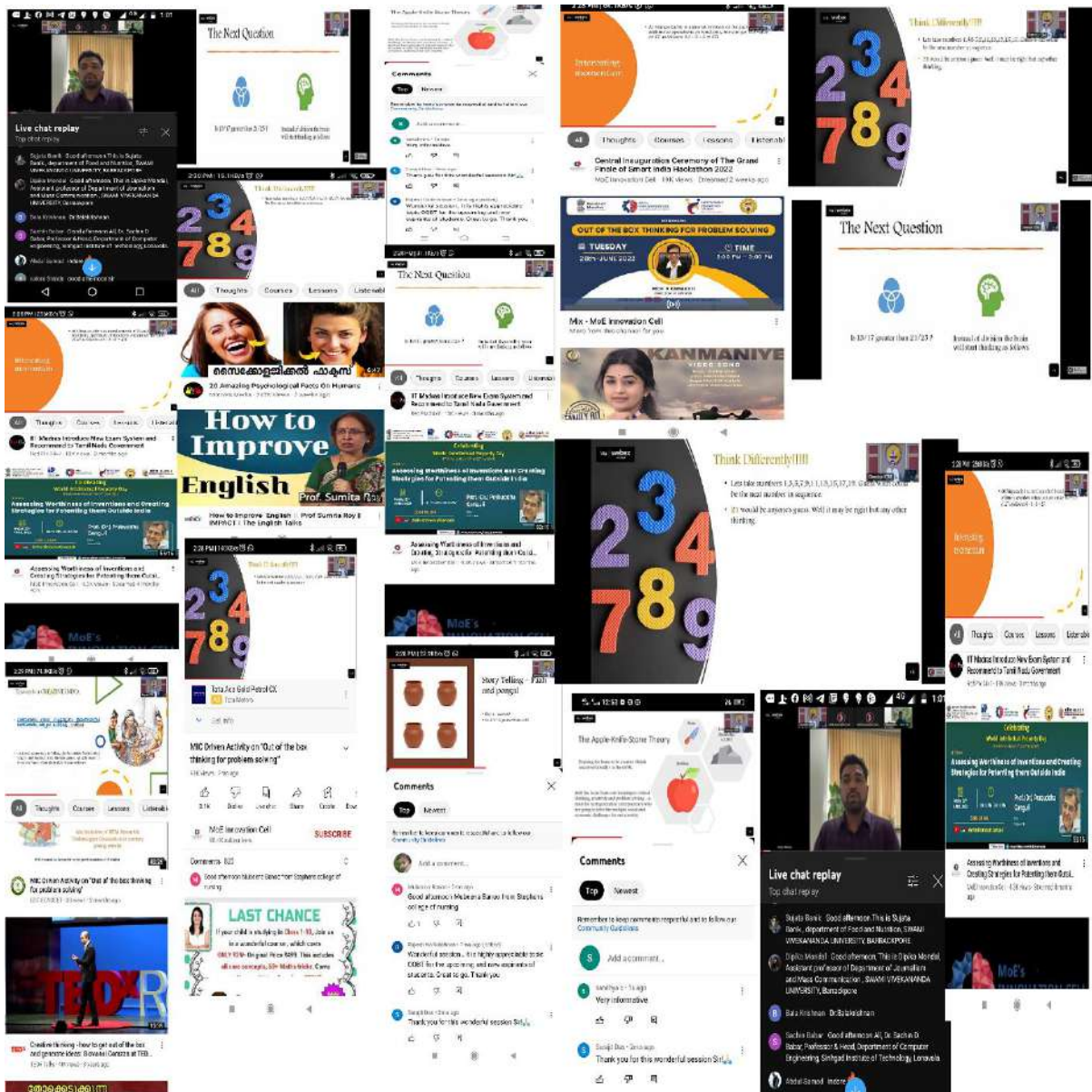
The fiesta enabled the students to showcase their artistic talents, and to recognise the importance of handicrafts and food products in terms of production and economical aspects.





### 18. Report of Session on ‘Out of the Box Thinking’ –An MIC driven Activity

Ministry of Education Innovation Cell has conducted a 1 hour session with all IIC faculty members, students and staffs on the topic”Out od the Box Thinking” on 2th June 2022.The speaker was Prof. V. Kamakoti, Director, IIT, Madras. The talk was online in webex meeting platform and it was live streamed in Youtube. 105 students and 45 Faculties of K.E College has participated and benefitted from the talk.





### 19. Report of Pollution Reporting Competition

A reporting Competition was conducted by Dept. of Commerce, IEDC and IIC on December 2, 2022 on pollution happening in the premises of the college and places near the houses of the students. Only 5 students participated and best report was given attractive prizes. This programme was conducted in collaboration with Business Innovation and Incubation Centre (BIIC), M.G University. Judges assessed the innovative way of reporting style of students who have participated.

**KE KURIAKOSE ELIAS COLLEGE**  
Mannanam P.O., Kottayam, Pin-686364  
Phone: 9447999999, 9447999999 | www.kecollege.ac.in

**National Pollution Control Day**  
2<sup>nd</sup> December 2022

**EYE WITNESS - POLLUTION REPORTING COMPETITION**

**INSTITUTION'S INNOVATION COUNCIL** (Ministry of Education initiative) | **INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE**

**Organised by :**  
ED Club, IIC, IEDC and Postgraduate Department of Commerce

*Send your entries to [iedc@kecollege.ac.in](mailto:iedc@kecollege.ac.in) on or before 10<sup>th</sup> December 2022.*

**Dr. Ison V. Vanchipurackal (Principal)** | **Fr. Dr. Xavier C.S (Vice Principal)**  
**Coordinators**

**Mrs. Jency Francis (HOD, Commerce)** | **Mrs. Divya Joseph (ED Club Coordinator)** | **Dr. Mercy Mathews (IIC & IEDC Nodal Officer)**

### 20. Report of Presentation of Innovations/Prototypes

Research Department of Chemistry, K.E College has organised a programme where students got an opportunity present their innovations or prototypes through power point or poster presentation in front of innovation ambassadors. Few students have presented their





innovations in the chemistry class room on 10-02-2023 at 11AM. Department head Dr. Jollyamma Mathew, Mrs Shilpa Jose and many other innovation ambassadors and 50 students of the college have actively participated in this programme.



**KURIAKOSE ELIAS COLLEGE**  
Mannanam P.O, Kottayam, Pin:686561  
www.kecollege.ac.in





**RESEARCH & POSTGRADUATE DEPARTMENT OF CHEMISTRY**  
in association with  
**INSTITUTION'S INNOVATION COUNCIL AND IEDC**

**POSTER PRESENTATION OF INNOVATIONS / PROTOTYPE**  
**Date: 10-02-2023 @ 10.30 AM**  
**Venue: Research Lab Dept. of Chemistry**

**ORGANISING COMMITTEE**  
Prof. (Dr.) Ison V Vanchipurackal (Principal)  
Dr. Xavier C.S CMI (Vice Principal)  
Dr. Mercy Mathews (IC President)  
Ms. Divya Joseph (IC Convener)  
Dr. Jollyamma Mathew (HOD, Chemistry)  
Ms. Shilpa Joy (IC Dept. Coordinator)





## 21. Report on Innovation & Entrepreneurship in HEIs for Aatmanirbhar Bharat & Celebrating 75 Years of Independence -Azadi Ka Amrit Mahotsav





Research and Post-Graduate Department of Economics have conducted a poster designing competition among the students of K.E College. The last date submit the entries was on 18-08-2022. Theme of the poster was India @75:Kaleidoscope.

The judgement criteria were: Relavance of the theme, Artistic Composition, and Originality.

Many students have actively participated and the winners were awarded with cash prizes.



## 22 A TALK ON ACHIEVING PROBLEM SOLUTION FIT AND PRODUCT MARKET FIT

A talk on achieving problem solution fit and product market fit was Organized by M G University Business Innovation and Incubation Centre, Department of Statistics and Computer Applications, IIC And IEDC, Kuriakose Elias College Mannanam on 25<sup>th</sup> February 2023. The programme was of 2 hour duration and started at 7.00 pm.



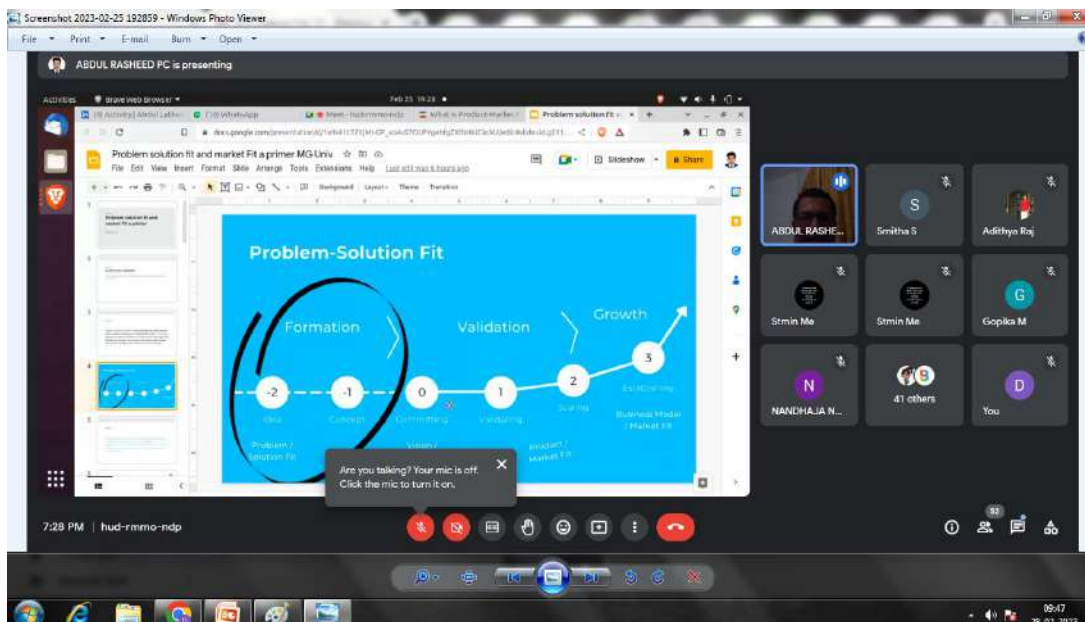


The objective of the programme was to understand how companies and organizations identify the problems that are faced by the society and to understand how design thinking helps in identifying the problem. The webinar aimed to build entrepreneurship skills in students. 51 students and 6 faculties participated in the programme. The outcome of the programme is that students got understood the process of achieving the solution fit product, understood the process of developing the solution fit and market fit product after attending the webinar.

**TALK ON**  
**ACHIEVING PROBLEM - SOLUTION FIT AND PRODUCT - MARKET FIT**  
 25/02/2023 7 PM  
<http://meet.google.com/hud-rmmo-ndp>

**MAHATMA GANDHI UNIVERSITY**  
**BUSINESS INNOVATION AND INCUBATION CENTRE**  
**DEPARTMENT OF STATISTICS AND COMPUTER APPLICATIONS**  
**KURIAKOSE ELIAS COLLEGE MANNANAM**  
**COORDINATORS**  
**DR. RADHAKRISHNAN E K ( NODAL OFFICER , IEDC )**  
**DR. SHYLAS ( ASS. NODAL OFFICER, IEDC )**  
**DR. P SOUMYA**  
**DR. DHANNYA P JOSEPH AND DIVYA S NAIR (IEDC Department Coordinators)**

**OUR SPEAKER**  
  
**MR. ABDUL LATHEEF**  
 DIGITAL MARKETING STRATEGIST  
 GROWTH HACKER  
 MARKETING UNITEAM FACEBOOK LEAD TRAINER INDIA GROW YOUR BUSINESS





### 23. Report on Developing online Repository of Idea developed and Business plan

An online drive for storing the ideas, details of prototypes and business plans of the students and staffs of the college is created in the g-mail ID of Innovation and Entrepreneurship Development Centre. Many students have started to upload their idea and prototype details in there. It is kept on updated in monthly basis.

Below given the url of the drive.

[https://drive.google.com/drive/folders/1vU4BJQMvHcGgUz1RjwbPSX2\\_Ix\\_A4mWL?usp=sharing](https://drive.google.com/drive/folders/1vU4BJQMvHcGgUz1RjwbPSX2_Ix_A4mWL?usp=sharing)

### 24. Report on Food Fest and Organic Vegetable Sale

Department of Botany in association with Innovation and Entrepreneurship Development Centre (IEDC) and Institution Innovation Council (IIC) have conducted a FoodFest and Organic Vegetable Sale at B.Sc Botany Class room of K.E College on June 8th 2022..

More than 500 students and 65 teachers have actively participated in the program and learned about marketing a product in an offline platform .

The poster features a background of a forest with tall trees. At the top left is the Kuriakose Elias College logo. The text reads: 'KURIAKOSE ELIAS COLLEGE MANNANAM' followed by the 'INSTITUTION'S INNOVATION COUNCIL' logo. Below that is 'DEPARTMENT OF BOTANY' and 'In association with Bhoomitrasena CONDUCT'. The main title is '"FOOD FEST AND ORGANIC VEGETABLE SALE"'. It mentions 'IN CONNECTION WITH WORLD ENVIRONMENT DAY'. The venue is 'Room number 319' and the date/time is 'June 8 at 12:30 pm'. At the bottom, it lists the Principal (Dr. Ison V Vanchipurackal), Head of Department (Dr. Mathews T Thelly), and Bhoomitrasena FIC (Deepa Mary Joseph). The IEDC logo is also present.





## 25. Report on Technology Commercialization workshop series on Women Entrepreneurship

Two day Technology Commercialization workshop on women Entrepreneurship was conducted on 5 and 6<sup>th</sup> May 2022 in association with Business innovation and Incubation Centre (BIIC), M.G University, Kottayam. The program was especially for women faculty members of the college. All participants learned how to a make successful businesses plan from this workshop. All have participated actively and benefitted fully from the program.



## 26. Report of visit to Rubber Industry Clusture

A visit to rubber Industry clusture was held on 12-11-2022 in order to identify the problems faced by those companies. Students and teachers got aware of the main problems which was faced by the employees and they identified the problem of old machines which were used by different companies. Students noted down the problems and put forward few solutions to them. Further visits are planned in order implement those solutions. Total 30 students have







actively participated in this programme. Dr. Mercy Mathews and Mrs. Divya Joseph have given mentoring to the students who have participated in this program.



### 27. Report of Startup Awareness and Leadership Training Programme in St. Aloysius school, Athirampuzha

Startup awareness and Leadership Training (SALT) programme was conducted by IEDC and IIC from January 30<sup>th</sup> 2023 to February 3<sup>rd</sup> 2023. This programme was conducted for 11<sup>th</sup> standard students of St. Aloysius School, Athirampuzha. The programme was officially inaugurated by Dr. James Joseph, Principal of the Higher secondary section of the school. 5 selected students from different departments of the college have acted as the resource person for this training programme.





### 28. Report of Articles on Innovations in Shasthrapatham

Three students of Physics Department of K.E College and IEDC nodal officer has published 4 articles in Shasthrapatham January 2023 Issue.

“What is Innovation” By Blessy Rose Benny (3<sup>rd</sup> B.Sc Physics, K.E College)

“Hot Innovation” By Treesa John (3<sup>rd</sup> B.Sc Physics, K.E College)

“ James Web Telescope An Innovative Instrument which beats time” by Lidhya Shilu (3<sup>rd</sup> B.Sc Physics, K.E College)

“The Fast Changing World” by Dr. Mercy Mathews (Assistant Professor, Dept. of Physics, K.E College)

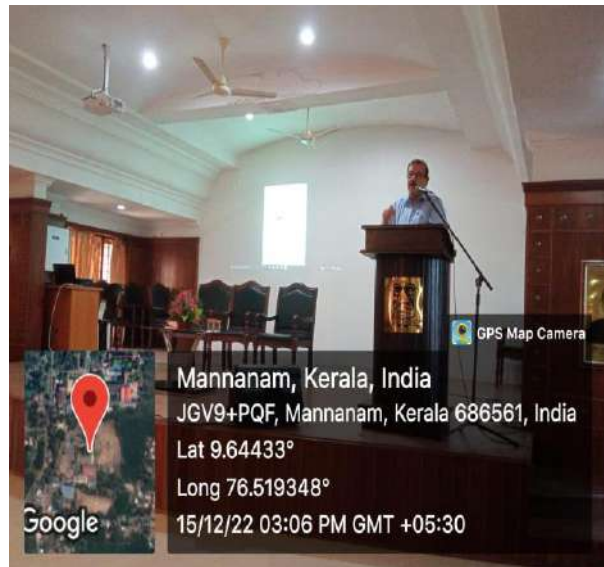
And the editorial was also written by Dr. Mercy Mathews (Assistant Professor, Dept. of Physics, K.E College).





## 29. Report of Workshop on Entrepreneurship, Skill Attitude and Behaviour Development

A workshop on “Entrepreneurship, Skill Attitude and Behaviour Development“ was conducted by IEDC and IIC on December 15, 2022. It was an IIC driven programme exclusively for all department IEDC Faculty and student co-ordinator Sri T.K Jose IAS, Chairman, Kerala State Electricity Regulatory Commission and Former Home Secretary had taken the session. More than 80 students and 18 faculty members have actively attended the session.





### 30. Report of Startup valley, TBI Amal Jyothi Visit

A visit to Technology Business Incubator, Amal Jyothi Engineering College, Kanjirapally was conducted for the final Year B.Sc Physics students of K.E College on October 21, 2022. The Start up Safari was started at 10.30am and students first got an introduction class seminar hall of the TBI .Total22 students have participated actively in this programme. It was a full day visit to many labs, consisting of many 3D printers and other sophisticated instruments.



### 31. One Day Workshop on Decoration Lights

Date of the event :15thDecember 2022

Platform : offline (At Electronics lab Room No 304 in main building)

Name of the event.: One Day Workshop on Decoration Lights

Number of participants: 21

The department of Physics with applied electronics in association with IEDC, IIC & ED club conducted a one day workshop on “Decoration Lights”, on 15<sup>th</sup>December 2022, as an initiative for providing Skill Training to the students. Prof. Dr Ison V Vanchipurackal, Principal of K E College inaugurated the training program. Mr. Anish Kumar P.S, Assistant Professor, Dept of physics with Applied Electronics conducted the workshop for around 21





students from various departments. The students were familiarized about the component of decoration bulb and their assembly. They made decoration light individually and made it a successful one.



**KURIAKOSE ELIAS COLLEGE, MANNANAM**  
**DEPARTMENT OF PHYSICS WITH APPLIED ELECTRONICS**  
 IN ASSOCIATION WITH  
**IEDC, IIC & ED CLUB**  
 CONDUCTS

**ONE DAY WORKSHOP ON DECORATION LIGHTS**

15th Dec 2022, Thursday

**Resource Person**  
**Mr. Anish Kumar P. S**  
 Assistant Professor  
 Dept. of Physics with Applied Electronics  
 Mr. Anish Kumar P. S is proficient in designing and making Electronic Circuits with more than 15 years of experience.

**Prof. Dr. Isan V. Vanchipurackal** (Principal) | **Fr. Dr. Xavier C.S** (Vice Principal) | **Fr. Eiju Thomas Thekkokkuttu** (Bursar cum Director) | **Prof. Johnny Thomas** (Executive Co-ordinator(S.F.S))

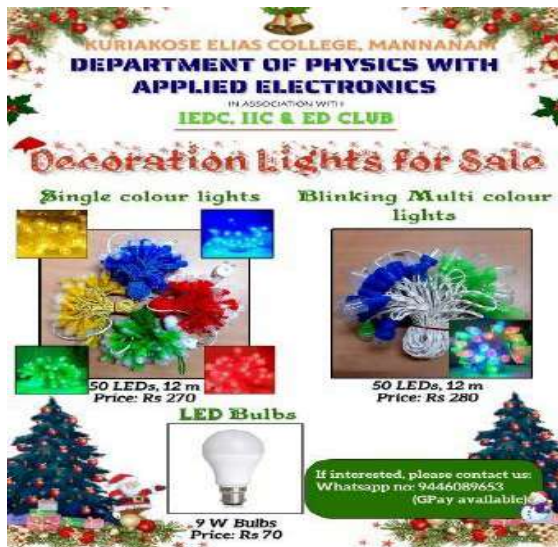
**Co-ordinators**  
**Ms. Deepthi G. Nair** (HOD, Physics with AE) | **Dr. Marry Mathews** (IC & IEDC Nodal Officer) | **Ms. Divya Joseph** (ED Club Co-ordinator) | **Ms. Suro Ann Thomas, Ms. Sruthy S, Mr. Manu P. Rajan** (Dept. IEDC Co-ordinators)





### 32. Sale of Decoration Lights

The Decoration Lights made by the students on 15<sup>th</sup> December 2022 are sold to the students and staff members of K.E College. Those lights were also displayed in the Christmas stall on 23<sup>rd</sup> December 2022 organised by the IEDC and IIC. Many Staff members and Students encouraged our students in buying the decoration lights



### 33. Workshop on Opportunities of Entrepreneurship




An Offline workshop on opportunities of entrepreneurship was conducted on 16 th March 2023 at 2.30pm, organized by the Innovation and Entrepreneurship Development Centre





(IEDC) and Innovation and Incubation Centre (IIC) of the college, in collaboration with the Department of Zoology. The session was arranged for all first, second and third year B.Sc Zoology students of the college. More than 52 students participated actively in this programme. Dr. Chandana C Incubation Manager, Research Incubation Program, Business Innovation and Incubation Centre headed this highly motivating endeavor.



**WORKSHOP ON**  
**Opportunities for Entrepreneurship**  
 (Scope of Microenterprises in the Current Scenario)

Organised by Department of Zoology  
 In association with IEDC & IPL

**RESOURCE PERSON**  
 Dr Chandana C  
 Incubation Manager Research Incubation Program,  
 Business Innovation and Incubation Centre (BIC),  
 Mahatma Gandhi University

Date 16/03/23, Venue : Zoology Lab , Time 2.30 pm.

**Organising Committee:**

Dr. Ison V. Vanchipurackal (Principal)	Fr. Dr. Xavier C.S (Vice Principal)
Dr. Mercy Mathews (IEDC Nodal Officer)	Sr. Dr. Jessy Joseph Kavunkal (Head of the Department)
Dr. Soumya Das (Faculty Coordinator)	

 keczooology\_  zoology@kecollege.ac.in





### 34. Skill Development Workshop on Soap making

Entrepreneurship Development Club in association with Post graduate Department of Commerce conducted a skill development workshop on Soap Making on March 2<sup>nd</sup> 2023. The training session was handled by Ms. Shilpa Joy, Assistant Professor in Chemistry, K.E College Mannanam. First year M.Com and 2nd Year B.Com students participated in the programme. The objective of the programme was to equip students to make soap by themselves for their use. 5 teachers and 45 students participated in the training session. The training has been a wonderful experience for the participants and they explored the programme in an effective manner.



**KURIAKOSE ELIAS COLLEGE  
MANNANAM**

**WORKSHOP ON SOAP MAKING**

ORGANISED BY  
ENTREPRENEURSHIP DEVELOPMENT CLUB  
IN ASSOCIATION WITH  
POSTGRADUATE DEPARTMENT OF COMMERCE

**RESOURCE PERSON**  
MS.SHILPA JOY  
ASSISTANT PROFESSOR OF CHEMISTRY  
K.E. COLLEGE MANNANAM

**ON  
2ND MARCH 2023  
AT 2.00 PM**

**ORGANISING COMMITTEE**  
MS.JENNY FRANCIS (HOD)  
MS.SIVYA JOSEPH (ED CLUB COORDINATOR)  
MR.NEETHU JOSE (ED CLUB COORDINATOR)







### 35. IEDC Summit (Asia's Largest Summit for Aspiring Entrepreneurs)

Two Faculty members and 10 student innovators have been selected to participate in IEDC Summit, World's Largest Summit for Aspiring Entrepreneurs conducted in collaboration with Kerala Startup Mission. It was conducted on 4 March 2023 at Rajagiri College of Engineering, Ernakulam. More than 5000 students from various Higher education institutions and more than 300 Entrepreneurs, change makers, IEDC nodal officers, Incubation Managers, Investors and many scientists have participated in this grand event. Students could attend various sessions on Design thinking, Entrepreneurship promotion, IPR, and Skill development programs. There were many spot hackathons and Ideathons in which our students could participate.





### 36. Webinar on IPR

Date of the event: - 23/03/2023

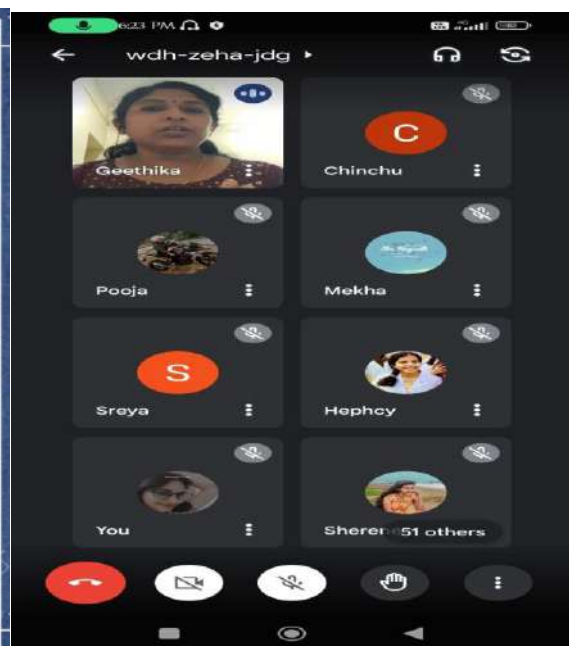
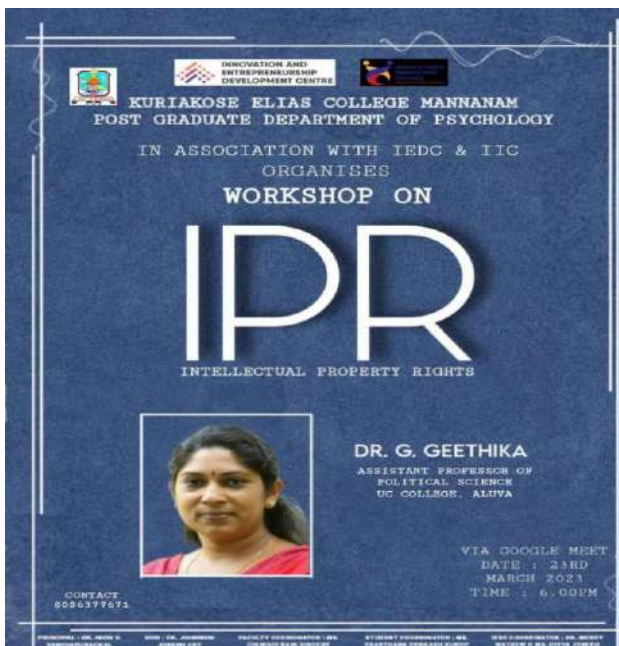
Time of the event: - 6.00 pm

Platform: - Google meet (<https://meet.google.com/wdh-zeha-jdg>)

Name of the event: - webinar on intellectual property right (IPR)

The department of psychology in association with IEDC and IIC conducted a webinar on the intellectual property rights on 23/03/2023 at 6.00 pm via goggle meet platform. The resource person was Dr. G. Geethika, Assistant professor of political science in UC college, Aluva.

The program started with a prayer song by Sreya. B (2<sup>nd</sup> dc) and the welcome speech was delivered by Mekha Mariya Mathew (2<sup>nd</sup> dc). Our resource person was introduced by Pooja Jenson (2<sup>nd</sup> dc). Dr. G. Geethika’s session was indeed an eye opening session. She educated us about the significance of intellectual property rights which is very important to know in today’s world. The webinar also covered the relevance of plagiarism, copy-right issues and things to be cautious about when we are working on start-ups and all. There were around 55 participants. Hridya S Raj (2<sup>nd</sup> dc) gave the feedback for the class. The webinar was really successful and all the participants were highly satisfied with the conduct and content of the webinar.





### 37. Industry Visit

Research and Postgraduate Department of Economics conducted an Industrial Visit to Trivandrum at Balaramapuram Kaithari of Ravikrishna Tex on 17/03/2023 with 54 students and one faculty. The aim of this visit was to understand the functioning, its operations, the working environment of labourers, etc of a Kaithary industry. We started our journey at 5 o’ clock from Kuriakose Elias College Campus. Reached at our destination at 10’o clock and after our refreshing time we entered into the Ravikrishna Tex industry ar 10.30 am. There we experienced a lot of things, such as the functioning of Kaithari industry, the pathetic situation of the working people, how much time needed to complete a saree or dhothi, etc. After the industrial visit we purchased certain garments from their shop itself. It was an informative and interesting trip to the students.

----- Forwarded message -----  
**From:** ATHUL KV ATHUL  
 <athulkummanam@gmail.com>  
**Date:** Tue, 14 Mar, 2023, 9:42 am  
**Subject:** Seeking permission for INDUSTRIAL VISIT  
**To:** <Keralahlm47@gmail.com>

I, ATHUL K VENUKUTTAN on behalf of post graduate department of economics hereby humbly request your permission for our industrial visit to KERALA HANDLOOM BALARAMAPURAM on 17-03-2023. We are a group of 14 students and 2 faculties from KE COLLEGE MANNANAM, KOTTAYAM and this visit is a part of our curriculum. We would be grateful if you could give us a tour of your facilities and allow us to observe the working of your company. We would like to inquire about the check in and checkout time during our visit. We would appreciate if you could let us know about the same at the earliest. We promise to abide by all your rules and regulations during the visit. I look forward to hearing from you.

Thanking you in advance.  
 Sincerely,

ATHUL K VENUKUTTAN  
 KE COLLEGE MANNANAM, KOTTAYAM  
 PH: 9633187237  
 9526597367

Fwd: Industrial visit Inbox

ATHUL KV ATHUL 6:23 pm  
 to me

----- Forwarded message -----  
**From:** ravikrishna handlooms  
 <ravikrishnahandlooms@gmail.com>  
**Date:** Tue, 14 Mar, 2023, 2:19 pm  
**Subject:** Industrial visit  
**To:** <athulkummanam@gmail.com>

Sir,

We are glad to inform you that we have decided to permit the Industrial visit scheduled on 17/03/2023.

With regards  
 Ravikrishna tex  
 Balaramapuram  
 Thiruvananthapuram





### 38. Session on Recent Innovations in Physics in connection with National Science Day

An offline session on Recent Innovations in Physics in connection with National Science Day was conducted on 28th February 2023 by Dr. Mercy Mathews, IIC President and IEDC Nodal Officer of Kuriakose Elias College for the B.Sc Physics and B.Sc Chemistry final year students of K.E. College. More than 40 students and 4 Faculty members of K.E College, have actively participated in the programme.



### 39. World Forestry Day Observation-"PUTHUNAMPU"-2023

"Puthunampu" is an extension program conducted by Bhoomitrasena Club in association with Department of Botany, KE College, Mannanam as a part of "World Forestry Day Observation" on March 27<sup>th</sup>, 2023. Distribution of vegetable saplings and sale of organic vegetables grown by student volunteers of Bhoomitrasena and Botany department was the focal event promoting the entrepreneurial nature of students. A pamphlet of instructions on sowing and raising the vegetables were also distributed along with the saplings. The student members of Bhoomitrasena club also provided awareness on the importance of organic farming.





KE KURIKOSE ELIAS COLLEGE

DIRECTORATE OF ENVIRONMENT AND CLIMATE CHANGE

ലോക വനദിനാചരണം

ഭൂമിതലസൗന്ദര്യം കൃഷി, സസ്യശാസ്ത്ര വിഭാഗവും സംയുക്തമായി സംഘടിപ്പിച്ചുവന്ന വിപുലീകരണ പ്രവർത്തനം (Extension Activity)

**പുതുനാൾ**

ജൈവ പച്ചക്കറി വിതരണം പച്ചക്കറി തൈ വിതരണം

**MARCH 27**

ROOM -319  
1.00 PM

PRINCIPAL Dr. Jeon V Vanchipurakal	HOD Dr. Mathews T Thelty	VICE PRINCIPAL Rev. Dr. Xavier CS CMI
DEPARTMENTAL COORDINATOR Midhila Baby	BHOOMITRASENA FIC Deepa Mary Joseph	BHOOMITRASENA COORDINATORS Dr. Vinu J George Indu Peter





### 40. Sierra: Report

IEDC & IIC Cell of Kuriakose Elias College celebrated the International Women’s day on March 8 in collaboration with Department of English. With the prospect of uplifting the entrepreneurial talent of female students a competition was conducted named ' SIERRA , Celebrating the InherentConnection of Women and Nature’.Main aspect of the competition was to invite female artisans to craft eco-friendly art and craft works. The competition offered an opportunity for the female students to showcase their creativity as well as entrepreneurship skill. The competition was conducted under the guidance and leadership of Dr. Sujarani Mathew (HoD), Teacher coordinators Ms.Chinchu Rose George, Ms Indu Peter, Dr. Mercy Mathews, Ms. Divya Joseph. As student coordinators Ms. Nimisha Salin & Ms. Aneena Subramanian offered an enthusiastic participation in the planning of the competition and conducted it well. Students from various departments competed with their creative works making the competition a success.





#### 41. Report of 'World Water Day' celebration

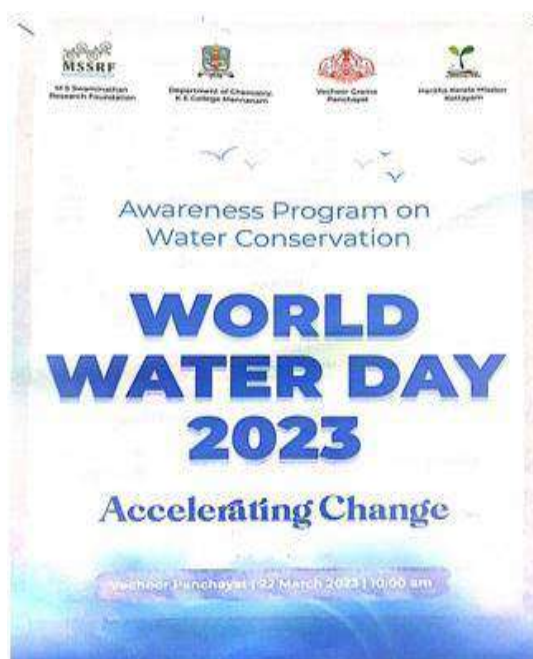
As a part of *International World Water Day* celebration-2023, Department of Chemistry, K.E college, Mannanam conducted an awareness programme on innovative methods of water conservation for the people of Vechoor Gramapanchayat on 22<sup>nd</sup> March 2023, in association with M.S Swaminathan Research Foundation and Haritha keralam Mission.

Mr. Jibin Thomas, Project Coordinator, MS Swaminathan Research Foundation welcomed the gathering and Mr. K.R Shyalakumar, President of Vechoor Gramapanchayat presided over the meeting. Mr. Ajith Kumar, Haritha keralam Mission delivered a special message. Dr. Jesty Thomas and Dr. Litty Joseph, faculty members in Chemistry, K.E College, Mannanam gave technical training and awareness programme on innovative water preservation methods. .

Vechoor Panchayat is a region where people are facing scarcity of pure water in spite of the availability of many water bodies. Dr.Litty Joseph explained different economical and innovative methods to conserve water and Dr. Jesty Thomas imparted her knowledge on water pollution remediation and conservation of pure water. They expressed their willingness to check the water quality of Vechoor Gramapanchayat by extending the facilities of Department of Chemistry of K.E college, Mannanam.

The programme was concluded by the vote of thanks by Mrs. Jimmol, social worker, Vechoor Gramapanchayat. More than 30 people were benefited by the programme.





## 42. Workshop on Opportunities of Entrepreneurship

An Offline workshop on opportunities of entrepreneurship was conducted on 16 th March 2023 at 2.30pm, organized by the Innovation and Entrepreneurship Development Centre (IEDC) and Innovation and Incubation Centre (IIC) of the college, in collaboration with the Department of Zoology. The session was arranged for all first, second and third year B.Sc Zoology students of the college. More than 52 students participated actively in this programme. Dr. Chandana C Incubation Manager, Research Incubation Program, Business Innovation and Incubation Centre headed this highly motivating endeavor.

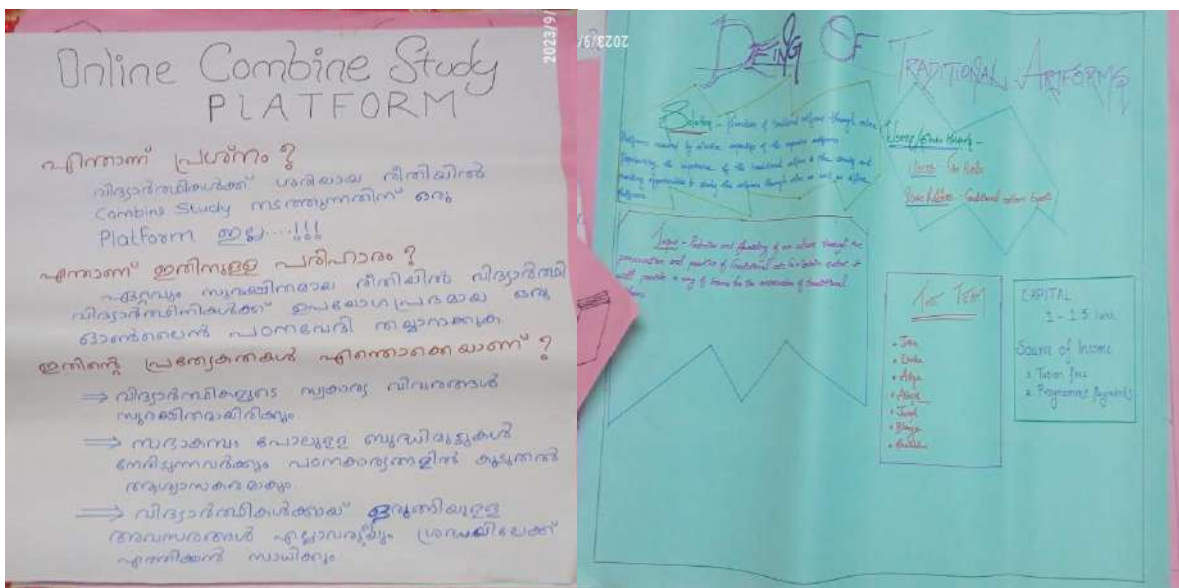


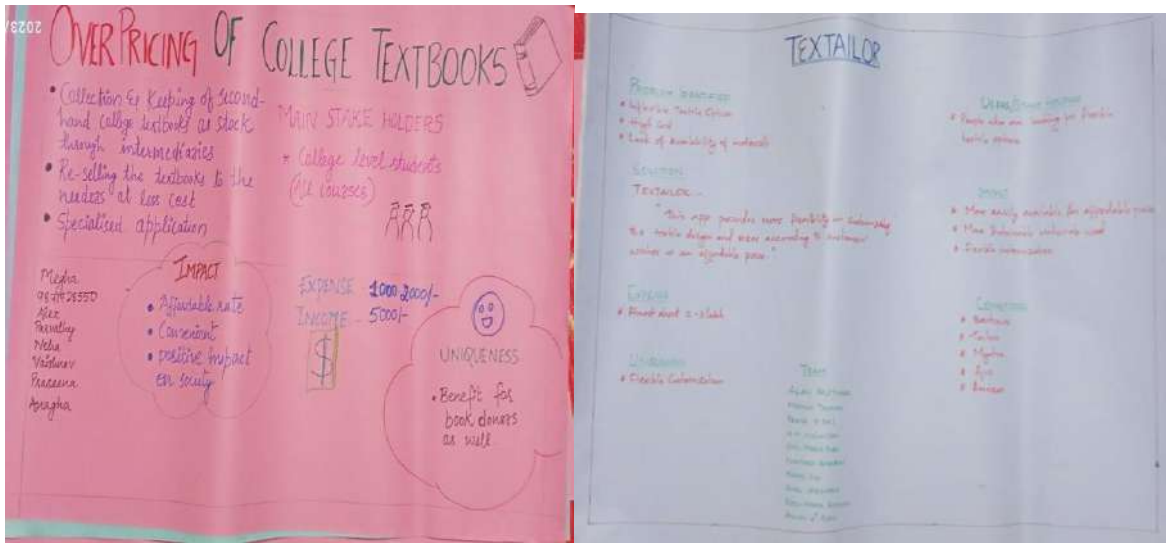




### 43. Report: Session/ Workshop on Business Model Canvas (BMC)

Department of Physics in association with IIC and IEDC have conducted a workshop on business Model Canvas for the college students. Students were supposed to make their business plan in a business model Canvas format on 15-03-2023 at Fabian hall of the college. More than 45 students and 5 Faculty members have participated in this programme. Few Business plans are attached below.





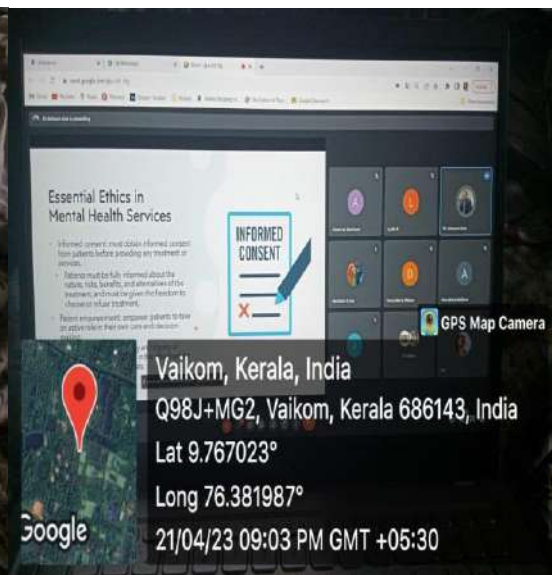
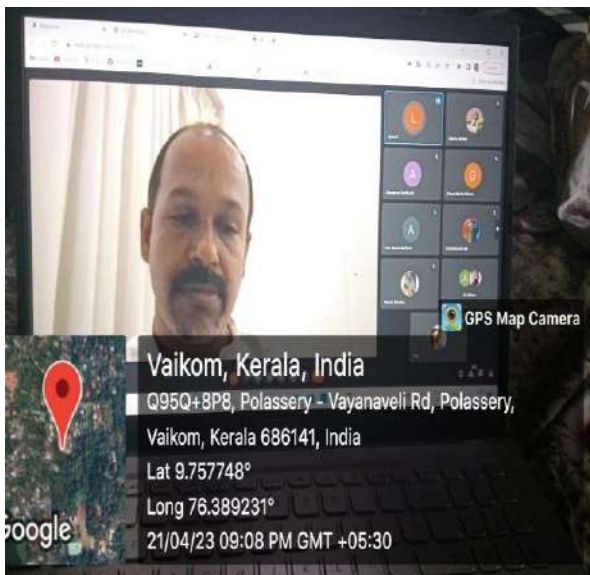
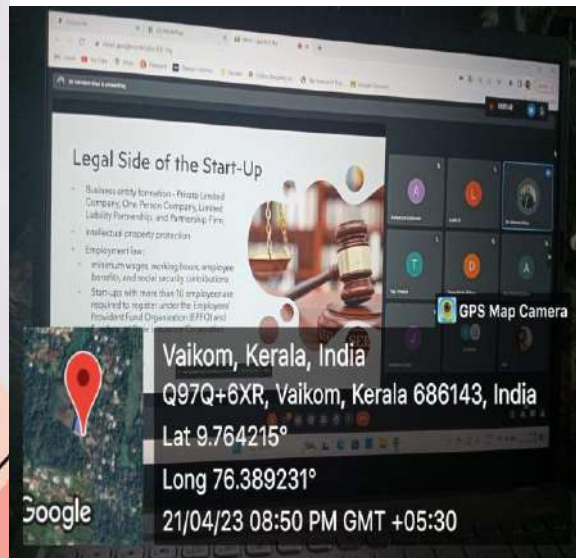
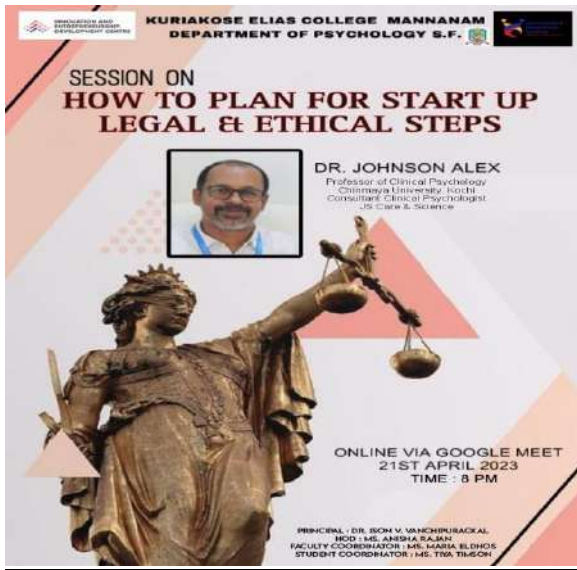
#### 44. Session on How to plan for a start-up – legal and ethical steps

The session aimed to provide insights into the legal and ethical considerations that start-ups need to keep in mind when launching and running their businesses. The session was organized by the psychology self-financing department of the K.E College and held on April 21<sup>st</sup> at 8 pm virtually. Mannanam consisted of sixty-seven students from the department as well as Ms. Maria Eldhos and Ms. Sara Viji, faculty members. The number of female participants partake in the event was fifty-five.

The session featured Dr. Johnson Alex who shared his knowledge and experiences in the field. The program began with a prayer song by Anjali Sijo of I DC which was followed by the welcome speech by Neha Satheesh of I DC. The key topics discussed were the methods to plan for a start-up & the ethical steps included in it, the legal sides of the start-up, problems faced by an entrepreneur start-up based on psychology, and the possibilities. The session concluded with a vote of thanks by Aiswarya Nandana B of I DC.

The session on planning for start-up legal and ethical steps provided valuable insights into the legal and ethical considerations that start-ups need to keep in mind when launching and running their businesses. The session provided practical guidance for students to navigate the complex legal and ethical landscape and set a strong foundation for their future endeavors.





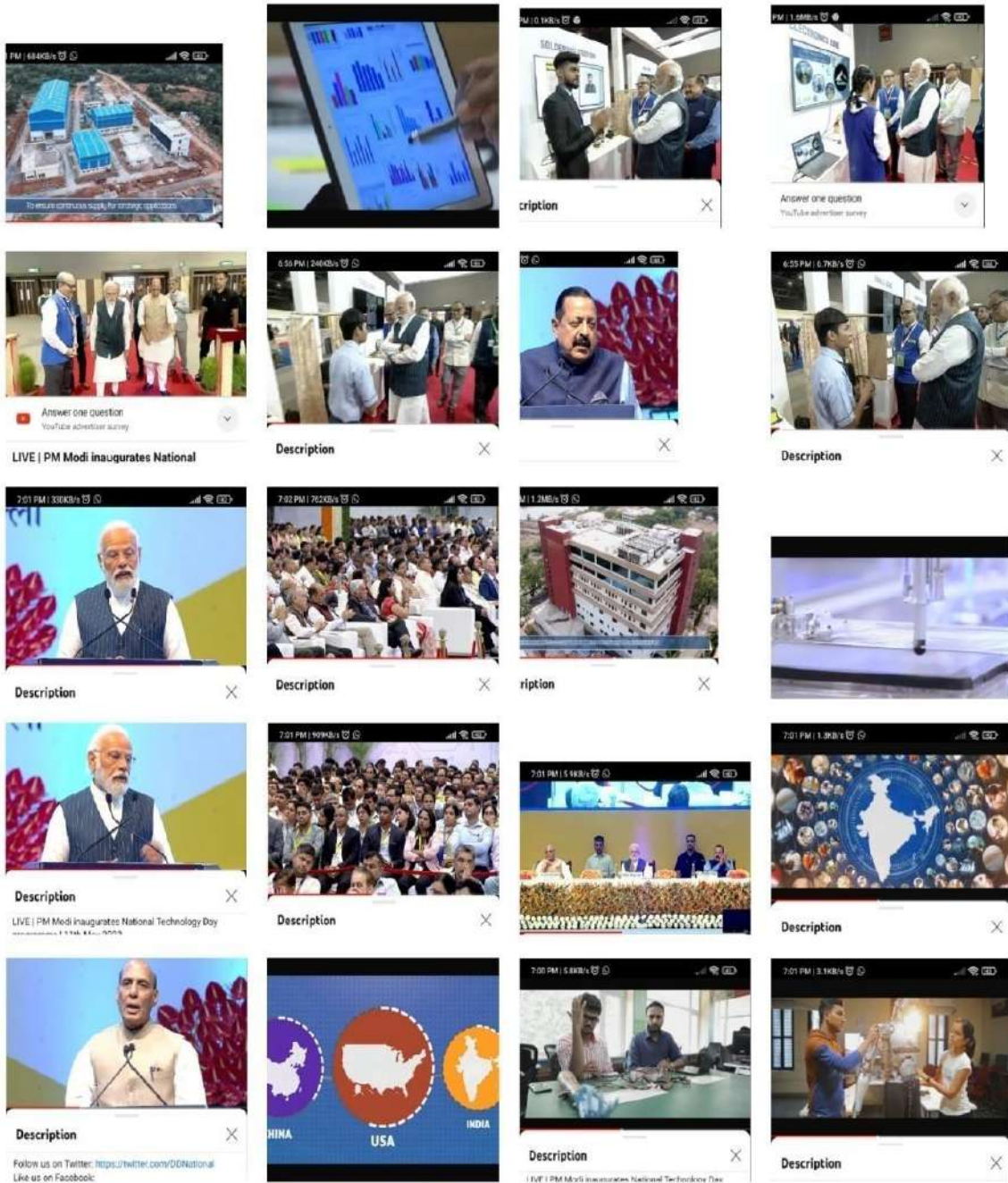
### 45. National Technology Week -Inaugural Address of Hon'ble Prime Minister of India

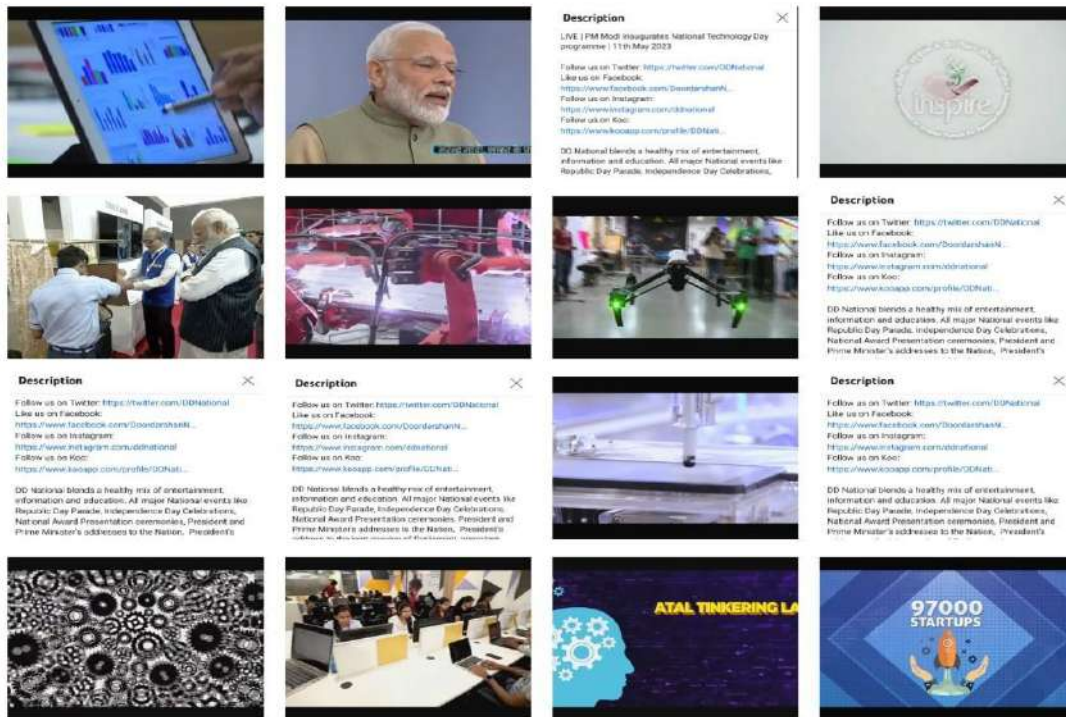
An online programme on showcasing of most promising innovative products of Atal Tinkering Labs of different schools all over India, and celebrating National Technology week with our H'able Prime Minister also with innovations from School children which was conducted on 11 th May 2023. This programme which was stramed live in youtube and Doordarshan channel was watched by many students and faculty members of Kuriakose Elias





College. Collages of screenshots taken by them are attached.





### 46. Certificate course on Python Programming

The Department of Computer Applications in collaboration with MSME conducted a certificate course on Python Programming” during the academic year 2023-24.31students of M.Sc Applied Statistics students were enrolled to the course. The course started on 8th March 2023 and completed it on 12th April 2023 and a syllabus for 30 hours Mrs. Anitta T Manuel the resource person.





### 47. Report of Orientation on Young Innovators Programme 5.0 (Virtual meet).

1. Title: **Orientation on Young Innovators Programme 5.0**
2. Relevance of the topic : The orientation is done virtually which covers sessions on YIP and how to register in the YIP 5.0, Presentation on a Thematic subject and also a presentation by a Start-up founder about his/her experience.
3. Hosted by: **K. E College Mannanam**
4. Organized by **Young Innovative (YIP) Kuriakose Elias College and K- DISC**
5. No.of participants :100
6. Date: 20<sup>th</sup> April 2023
7. Time: 10.30 am- 11. 30 am
8. Meet link : <https://meet.google.com/pmb-vgof-yon>



*[Handwritten signature]*

**Dr. Mercy Mathews**  
IIC President  
IEDC Nodal Officer

*[Handwritten signature]*

**Dr. Ison V. Vanchipurackal**  
**PRINCIPAL**  
**KURIAKOSE ELIAS COLLEGE**  
**MANNANAM, KERALA - 686 561**





## IEDC Annual Report 2021-22

### 1. Report on Technology Commercialization workshop series on Women Entrepreneurship

Two day Technology Commercialization workshop on women Entrepreneurship was conducted on 5 and 6<sup>th</sup> May 2022 in association with Business innovation and Incubation Centre (BIIC), M.G University, Kottayam. The program was especially for women faculty members of the college. All participants learned how to a make successful businesses plan from this workshop. All have participated actively and benefitted fully from the program.



### 2. Report on Fablab visit

Department of Physics, K.E College in association with IEDC and IIC of has conducted a FabLAB visit for B.Sc students on November 26<sup>th</sup>, 2021. Two faculty members of physics department and 34 students have visited SuperFabLab of kerala startup mission at Cochin. Students got awareness about 3D printing and many other facilities which they can use for building up their innovative ideas. All are benefitted well enough by this visit. Few of the photos are given below.





### 3. Webinar on “Instruments for Space Science Studies”

Department of Physics,, K.E College organized a webinar on “**Instruments for Space Science Studies**” on 22<sup>th</sup> December 2021.

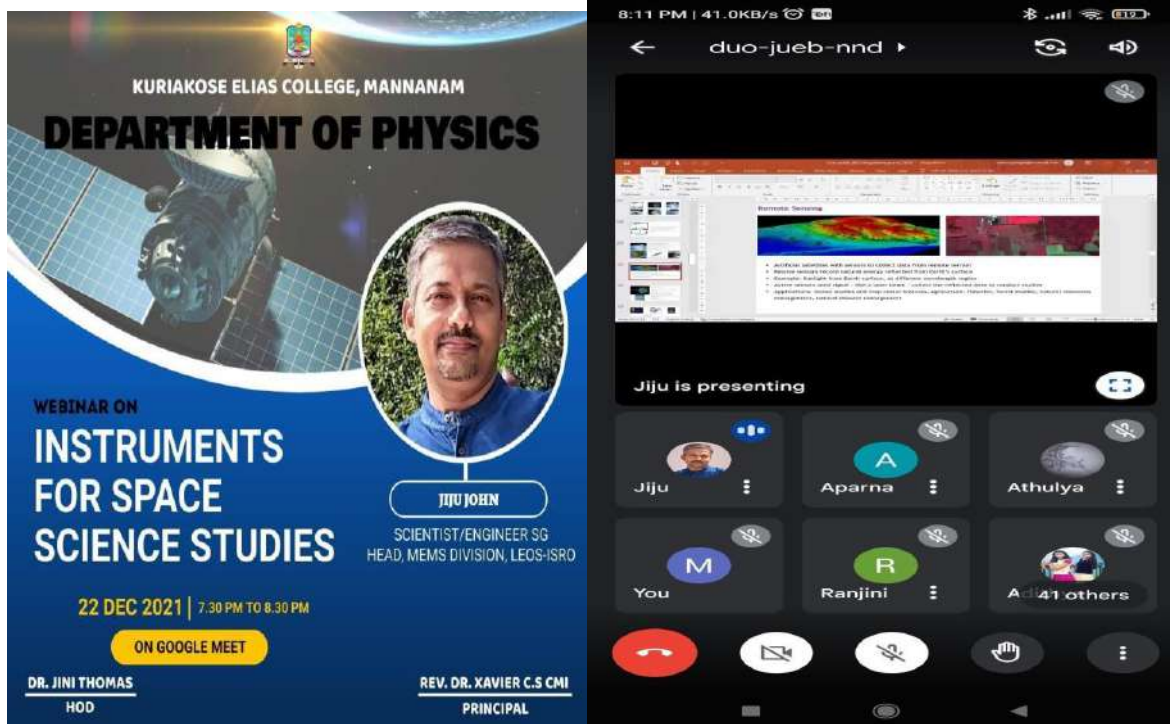
The webinar was conducted through google meet platform. The resource person was Jiju John, Scientist/Engineer SG, Head MEMS Division, ISRO, Thiruvananthapuram. It was a one-day program. 45 participants including students and faculty attended the webinar. Dr. Rinu Jose, Head, Department of Economics welcomed the gathering and Principal Fr. (Dr.) Xavier C S of the college presided over the program. After the introduction of the resource person by Dr. Jini Thomas (Head of The Department), the chief guest handled a session on







“Instruments for Space Science Studies”. The webinar was beneficial to faculty and students of various departments. The webinar ended with vote of thanks by Lidhya MSc 2<sup>nd</sup> year Student.



#### 4. Webinar on “Innovtions and startups : An Orientation”

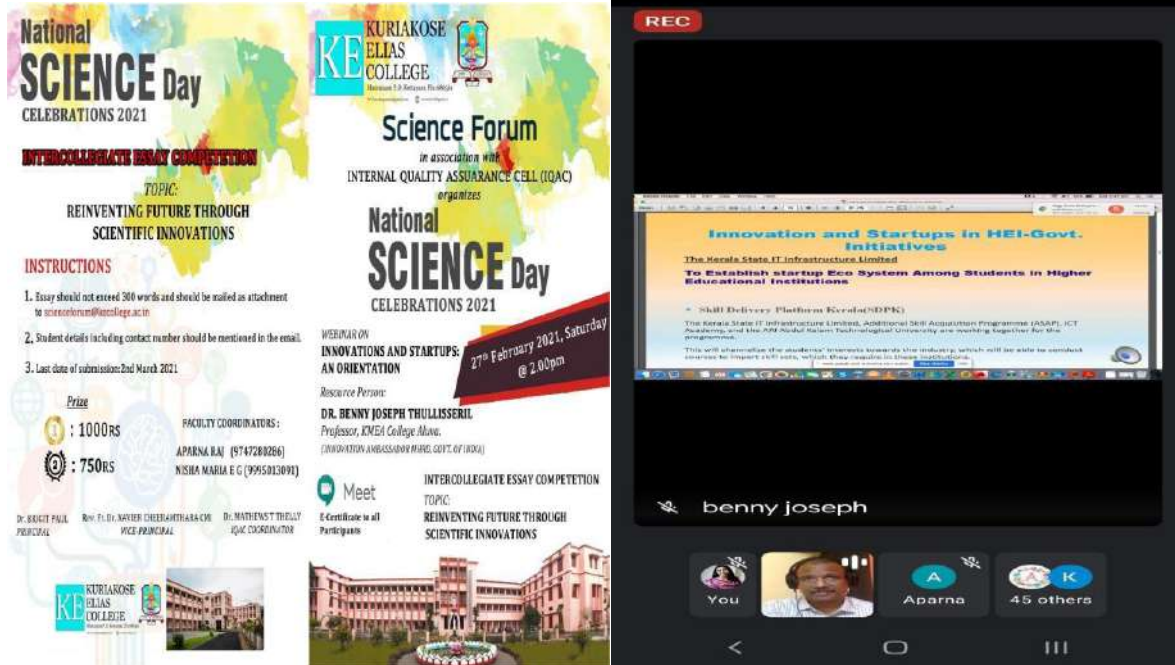
Science Forum of K.E College in association with Department of Physics organized a webinar on “Innovtions and startups : An Orientation” on 27<sup>th</sup> February 2021.

The webinar was conducted through google meet platform(link,<https://forms.gle/bkPkP9xqfW9KNoYL8>). The resource person was Dr. Benny Joseph Thullysseril, Innovation Ambassador, KMEA College Aluva. It was a one-day program.75 participants including students and faculty attended the webinar. Dr. Rinu Jose, Head, Department of Economics welcomed the gathering and Principal of the college Dr. Brigit Paul presided over the program. Vice Principal Rev. Fr. (Dr.) Xavier C S felicitated the program and after the introduction of the resource person by Ms.Aparna Raj (Coordinator of the Science Forum), the chief guest handled a session on “Innovtions and startups : An





Orientation". The webinar was beneficial to faculty and students of various departments. The webinar ended with vote of thanks by Ms.Nisha Jiji, Dept.of Zoology.



### 5. Ideathon, K.E College (2021)

Ideathon 2021 was conducted for students of K.E college by IEDC and YIP of the college in Collaboration with Institution innovation Council (IIC).

5 teams were shortlisted and the first prize was given to Sridev Dharman and his team from Applied Electronics Department.





## 6. i-Talk on 4<sup>th</sup> Industrial Revolution and its impact on conventional job sectors

Date of the event : 3rd December 2021 @ 7PM

Platform : Google meet (Meeting Link: <https://meet.google.com/daf-rzdg-ziu>)

Name of the event. : Webinar on 4<sup>th</sup> Industrial Revolution and its impact on conventional job sectors

Number of participants: Around 67

The Department of Physics with Applied Electronics in association with IEDC and IIC organised an i-Talk on 4<sup>th</sup> Industrial revolution and its impact on conventional job sectors on 3<sup>rd</sup> December 2021(Friday) @ 7 PM through Google meet platform. The resource person was Mr. Gopakumar M.G, Qatar Civil Defence, Approved Engineer in Instrumentation and Fire Alarm Systems.

The program started with a prayer song by Parvathy Ramachandran of I DC. Welcome speech was delivered by Ms Deepthi S Nair, Head of the Department of Physics with Applied Electronics. Gopakumar Sir's talk was really an eye opener session, as the students were able to plunge into the future technology. He also made clear about the various job opportunities and how the students should get prepared for better jobs. There were around 67 participants.

After the talk there was a Q & A session. Our Resource person explained clearly each of the doubts raised by the students. Vote of Thanks was delivered by Ms Sruthy S, Assistant Professor, Department of Physics with Applied Electronics. Finally all the participants were





asked to fill the feedback form. The i-Talk was really successful and all the participants were highly satisfied with the conduct and content of the webinar.

**KURIAKOSE ELIAS COLLEGE**  
 Department of Physics with Applied Electronics  
 in association with IEDC and IIC  
 Organising

*i-Talk on*  
**4<sup>th</sup> Industrial revolution and its impact on conventional job sectors**

Resource Person  
**Mr. Gopakumar M G**  
 Qatar Civil Defence  
 Approved Engineer  
 (Instrumentation & Fire Alarm Systems)

Join us on  
 Google meet: <https://meet.google.com/dlaf-rzdg-zlu>  
 December 3<sup>rd</sup> 2021 @ 7PM

Organizing Committee  
 Rev. Fr. Dr. Xavier C.S CMI (Principal)  
 Ms. Deepthi S Nair (HOD, Physics with Applied Electronics)  
 Ms. Sunu Ann Thomas (Dept. IEDC coordinator)  
 Dr. Mercy Mathews (IEDC, Nodal Officer)  
 Ms. Divya Joseph (IIC, Convenor)

### 7. Virtual Visit (July 23)

We had our virtual industrial visit to Kottayam Rubber Board Training Institute on 23<sup>rd</sup> July 2021. this programme was in collaboration with IIC, BIIC and KSUM. It was a great opportunity to know about the institute, infrastructure, opportunities and expertise of the Rubber Training Institute and Rubber Research Institute of India, Scientists and Technologists of RTI and RRII.

**KURIAKOSE ELIAS COLLEGE, MANNANAM**  
 Department Of Chemistry  
 IN COLLABORATION WITH

INSTITUTION'S INNOVATION COUNCIL  
 BIIC  
 STARTUP MISSION

Presents

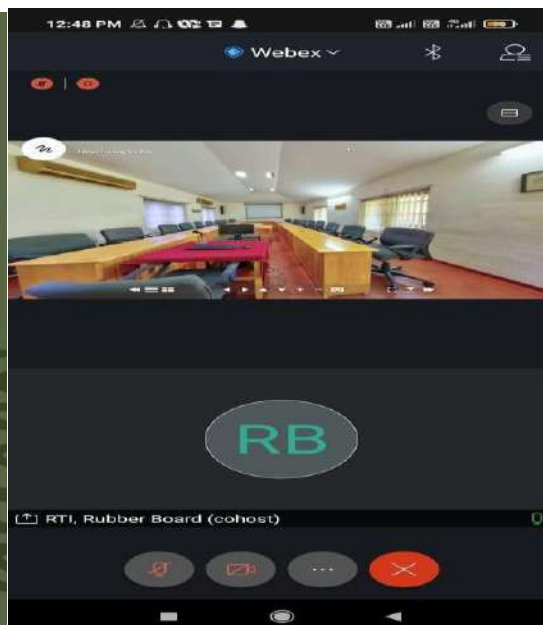
**KOTTAYAM RUBBER BOARD TRAINING INSTITUTE: VIRTUAL VISIT**

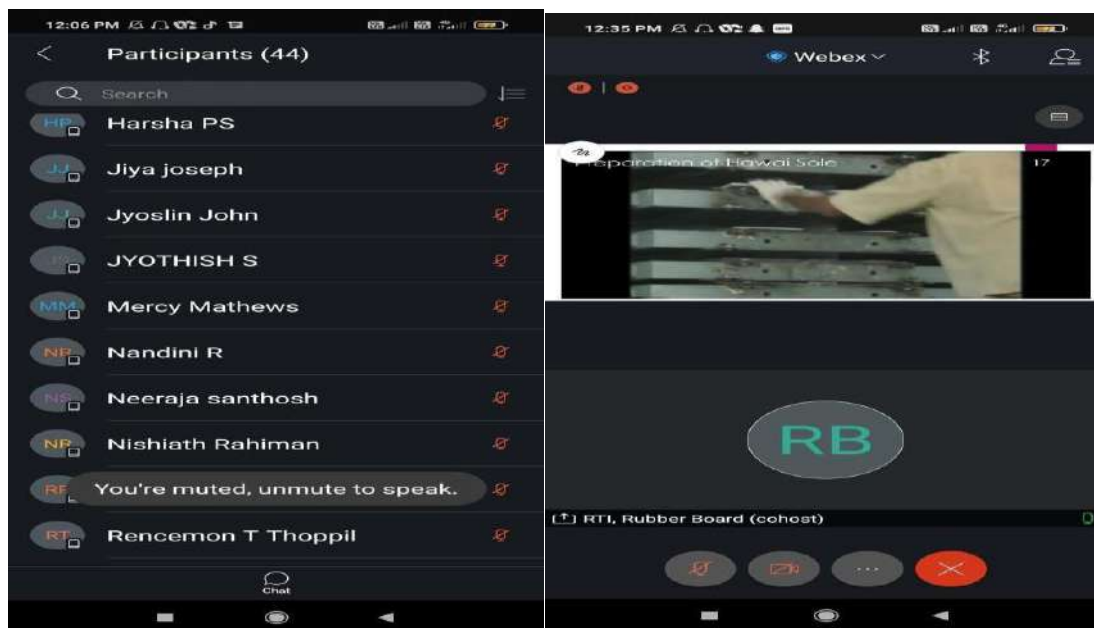
•Organised By: DEPARTMENT OF CHEMISTRY  
 •In Collaboration With: INSTITUTION'S INNOVATION COUNCIL (IIC) & INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE (IEDC)  
 Rev. Fr. Dr. XAVIER C.S (Principal)

ORGANISING COMMITTEE  
 - Dr. JOLLYANMA MATHEW (HOD, Department Of Chemistry)  
 - Dr. MERCY MATHEWS (IIC Nodal Officer)  
 - MS DIVYA JOSEPH (IIC Assistant Nodal Officer)

Infrastructure and expertise of Rubber Training Institute (RTI) & Rubber Research Institute of India (RRII). Scientists and Technologists from RTI and RRII

**DATE: 23/07/2021  
 TIME: 10:30 AM  
 @GOOGLE MEET**





## 8. LED Bulb Assembling Workshop

Date of the event : 29<sup>th</sup> and 30<sup>th</sup> November 2021

Platform :offline (At Electronics lab Room No 304 in main building)

Name of the event. : Skill development workshop on the making of LED bulbs

Number of participants: 50

We people waste a lot of energy in our daily usage either by not turning the lights off when not in use or by utilizing old and inefficient appliances that consume large amount of energy or by not switching off the vehicle engine when the light is really long. Energy needs to be conserved not only to cut costs but also to preserve the resources for longer use.

For this, the department of Physics with applied electronics in association with IEDC and IIC conducted a two day workshop on “LED Bulb making”, on 29<sup>th</sup> and 30<sup>th</sup> November 2021, as an initiative for the conservation and preservation of energy and resources for longer use.

Rev. Fr. Dr. Xavier C. S. CMI, Principal of K. E. College inaugurated the training program. Mr. Anish Kumar P. S, Assistant Professor, Dept. of Physics with Applied Electronics conducted the workshop for the students of B. Sc. Physics with Applied





electronics department and MSc Physics Student. Around 50 students participated in the 2 day workshop. The students were familiarized about the component of LED bulb and their assembly. They made LED bulb individually and made it a successful one.

### **9. Report of Webinar on ‘Angel Investing/Venture Capital Funding for Early Stage Entrepreneurs’ Organised by Post Graduate Department of Commerce**

For inculcating entrepreneurial orientation and skills among the students and observing Small Industries Day on August 30<sup>th</sup>, the Post Graduate Department of Commerce in association with Entrepreneurship Development Club(IEDC) under the aegis of Institution's innovation Council(IIC) organised a Webinar on ‘Angel Investing/Venture Capital Funding for Early Stage Entrepreneurs’ on August 31 at 7pm.

Ms. Neethu Jose, Assistant Professor, Department of Commerce welcomed the gathering. The technical session was handled by Mr. Nsaif N.M, Business Linkages Manager, Kerala Startup Mission. He is an MBA graduate specializing in marketing and HR. He is interested in building partnerships, strategy designing, business development, consultation etc. He has been an active member of Indian startup ecosystem. He was a Technology innovation fellow which was a programme of the Govt. of Kerala towards the promotion of innovation and entrepreneurship. At the same time he is involved with different industries, national and international communities like Global Shapers community, Techstars Startup Weekend, Startup Grind, AngelHack etc. He is currently working as a mentor, community lead and business linkages manager with Kerala Startup Mission. He is passionate about entrepreneurship and he enjoys working with talented people who bring positive changes through entrepreneurship.

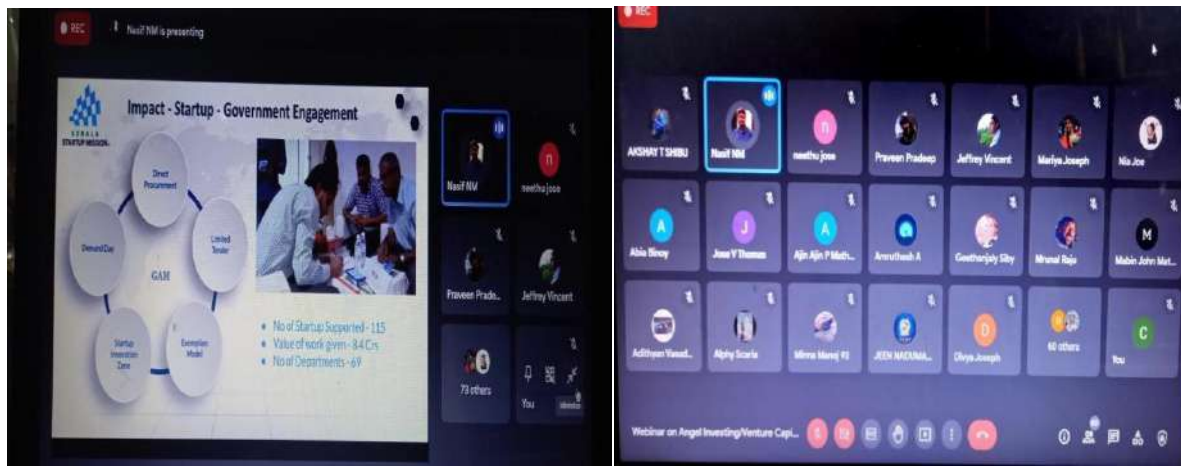
Mr.Nasif N.M started the technical session with an introduction about Kerala Startup Mission and its services and elaborated on various funding options available for early stage entrepreneurs/startups. He discussed Venture Capital Funding and Angel Funding opportunities and the kind of effort an entrepreneur should take in order to get such funding options. 76 participants registered for the webinar and around 80 participants attended the webinar. At the end, there was a discussion session. Mr.Nasif N.M clarified the questions raised by the participants. Ms.Alphy Jose of B.Com Second year proposed the vote of





thanks. The feedback was also collected. 67 participants submitted their feedback on the webinar.

The feedback was very positive and the majority of the participants considered it as a highly relevant topic and expressed a very good opinion about the resource person and the mode of delivery. 98% of the respondents opined that the webinar has improved their knowledge on the area.



### 10. Webinar on How to become a Successful Women Entrepreneur

A webinar on “How to become a successful women Entrepreneur?” was organized by Entrepreneurship Development Club in association with Postgraduate Department of Commerce and Innovation and Entrepreneurship Development Centre (IEDC) of the college on 19<sup>th</sup> November 2021 at 7.30 pm. The webinar was delivered through google meet platform. The resource person for the session was Ms. Shiny Joshy, Senior Programme officer of Archana Women Centre, Ettumanoor, Kottaym. Being a part of the Archana Women Centre, which is an active partner implementing an integrated village development programme and facilitated the participation of women in the neighborhood through Self Help Groups and provided training to women in masonry Ms. Shiny could well deliver a session on the topic from her own experiences.

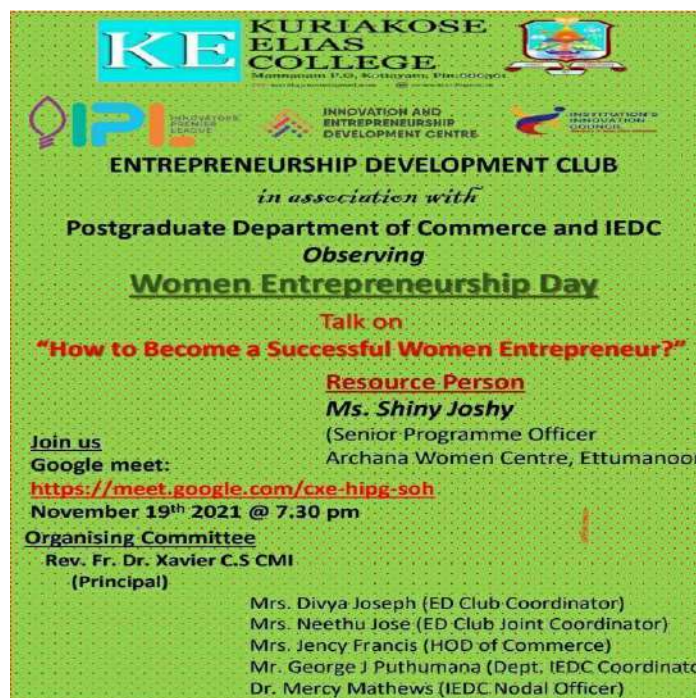
Around 55 participants attended the webinar. Students, faculties and research scholars from different disciplines participated in the webinar. It was an informative session as the students got an opportunity to understand the way to success in their journey to be an entrepreneur. Participants were very enthusiastic as they are interested to choose entrepreneurship as their





career. The webinar gave an insight on the qualities an entrepreneur should possess, the challenges that is to be faced by them and also the ways to overcome those challenges. The resource person interacted with students and replied to their queries.

Participants opined that the webinar was conducted in a satisfactory way and the content and organization of the webinar as excellent. They also commented that the excellence and experience of the resource person was awesome.



## 11. Report on Book Binding Workshop

A workshop on book binding, was organised by Dept. of History in association with IIC and IEDC of the college on 16-12-2021 at 9.30am. All bachelors students of History department have actively participated in this workshop conducted at Christopher Hall of the college. The resource person of this workshop was Sr. James Kurian Pemalayil, Retd. Teacher, St. Aloysius School, Athirampuzha. During this program he demonstrated different methods of book binding procedure, and students could make many books and learned the skills of book binding. From this workshop, all the participants learned how to bind a book and they could start a small scale business in future.







KURIAKOSE ELIAS COLLEGE  
Mannanam P.O. Kottayam, Pin-706104

INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE

INSTITUTIONS INNOVATION COUNCIL

**Department of History**  
in association with IEDC and IIC

Organizes  
**A Workshop on**  
**“Book Binding”**

**Resource Person**  
**Sri. James Kurian Pemalayil**  
(Rtd. Teacher, St. Aloysius Higher Secondary School, Athirampuzha & Member, Ettumanoor Block Panchayath)

**Date: 16/12/2021      Time: 9.30 to 12.30      Venue: Christopher Hall**

Fr. Dr. Xavier C.S Principal	Ms. Sijimol C.G HOD	Mr. Tintu K.J Association Director
Dr. Mercy Mathews IEDC Nodal Officer	Ms. Divya Joseph IIC Convener	Mr. Richu Roy Association Secretary

## 12. SEEDLING Production Workshop

A workshop on Entrepreneurship on seedling production was organised by Pst graduate department of Botany in association with IEDC and IIC on Decemebr 14, 2021 at 10.45 am. The program was conducted with a session on farming and and seedling production at New





seminar Hall. More than 50 students and 5 faculty members have actively participated in this program. Students were gifted with many seedlings to cultivate at their homes. All the participants benefitted and learned how to produce seedling successfully. This innovative program was a grand success which was one of it's kind.

**KURIAKOSE ELIAS COLLEGE  
MANNANAM**

POST GRADUATE DEPARTMENT  
OF BOTANY

IN ASSOCIATION WITH IEDC & IIC

Organising

*"A workshop on entrepreneurship  
on seedling production"*

RESOURCE PERSON

**Mr. JOYMON J**  
Vakkayil Farms & Seedlings  
Govt approved nursery  
Lakkattur

An entrepreneur in farming and seedling production  
Secured many entrepreneur awards in farming.  
Karthikaathilak award winner of 2019-20  
Finalist of Karthikaathilak 2020  
Honoured 'Safe to eat' certificate by Kerala Govt.

VENUE: NEW SEMINAR HALL  
DATE: DECEMBER 14  
TIME: 10.45 am

ORGANISING COMMITTEE

REV. F. DE. XAVIER C.S. CMS (PRINCIPAL)  
FR. RICH THOMAS THEKKETTU C.M.(BUSKAS)  
DR. V. J. ANTONY (H.O.D., P.G. DEPT. OF BOTANY)  
MANOJ (BIO) JOSEPH THOMAS (SELF FINANCING CO ORDINATOR)  
DILKOP JOSE (DEPT. IEDC CO ORDINATOR)  
DR. MURPHY MATHIAS (IIC SOCIAL OFFICER)  
MELVIN JOSEPH (IIC COVENOR)  
DR. ANOOSH VARMA (DEPT. JOINT CO ORDINATOR)  
MELVANI KRISHNAN & MELALYVA ALPHONSA THOMAS (COVENORS)



### 13. Hands-On Training in Oyster Mushroom Cultivation

Mushrooms have been recommended by the FAO as a food item that can help developing countries meet their protein needs. Oyster mushroom cultivation has a number of advantages, including the ability to convert complex organic lignocellulosic compounds into nutritious





food, aiding in the recycling of agro-waste, contributing to pollution control, not competing with agricultural land, and providing opportunities for self-employment. As a result, there is a pressing need to popularise the technology among the general public.

### **Rational behind the program**

There is a demand for technology at the grassroots level to help people break free from poverty and gain a sense of self-sufficiency. The current training promotes Agri based microenterprises among students. As a result, the proposed training can assist in the development of skills that will be beneficial to their livelihood.

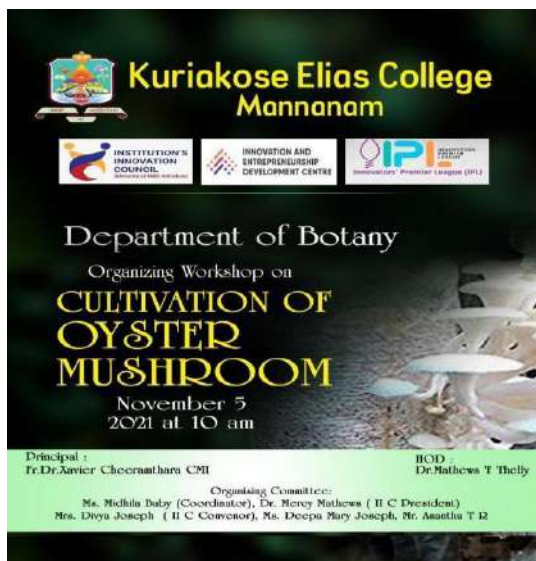
### **Target Group for the Program**

The initial training phase was given to 27 students of the Final year B.Sc. Botany Degree. The goal of the program was to teach students about mushroom farming and culture techniques, as well as to help them gain information about wild mushrooms, distinguish between poisonous and edible mushrooms, and provide hands-on training and business development in oyster mushroom cultivation.

### **Training Details**

The training was conducted by the Department of Botany, Kuriakose Elias College, Mannanam on 5<sup>th</sup> November 2021 in association with Institutions Innovation Council, and Innovation and Entrepreneurship Development center. Rev. Dr. Xavier C.S (Principal, K.E College, Mannanam) inaugurated the training session. Dr. Mathews.T. Thelly (HOD, Botany Department) spoke about the scope and importance of Mushroom cultivation. The training program was coordinated by Ms.Midhila Baby (Faculty in charge, Certificate course in mushroom cultivation). Ms. Deepa Mary Joseph and Mr. Ananthu T.R, both Botany department faculties, took training sessions.

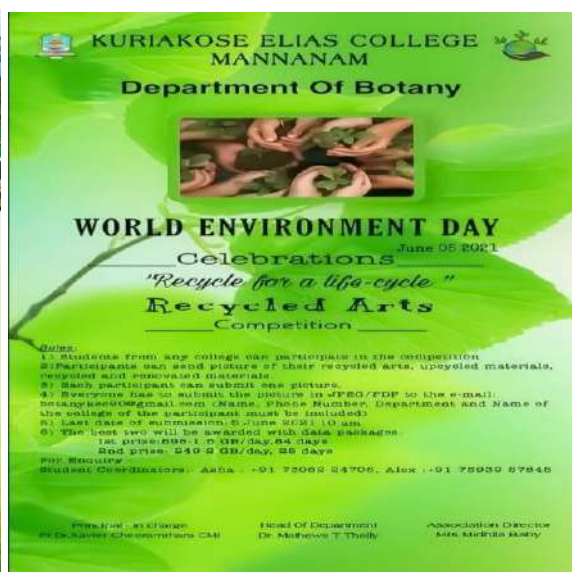




### 14. World Environment Day

World Environment Day is observed annually on June 5<sup>th</sup> to increase awareness and action for environmental conservation. It has served as a venue for raising awareness on environmental issues such as marine pollution, human overpopulation, global warming, sustainable consumption, and wildlife crimes. Recycling waste products not only reduces the pollutant load but also conserves resources, saves energy, and thus to a great extent protects the environment. Acknowledging the importance of recycling the Department of Botany, K.E College, Mannanam observed World Environment Day by conducting an Intercollegiate *Recycled Arts* Competition on the theme ‘Recycle for a Life Cycle’. The Competition was conducted through an online platform. Specific instructions for the competitions were given. Participants were asked to send pictures of their recycled art, and upcycled or renovated materials. The winners were selected based on their creativity, the material used, and the usefulness of the created product. Ms. Anupriya.S, Department of Zoology, Sree Narayana College, Alathur, Palakkad won the first prize, and Najah P.K, Sree Narayana College, Nattika was awarded second prize for their creative work.





### 15. Workshop on ornamental fishes

Department of zoology K E College Mannanam in association with **IEDC** and **IPL** organized an online workshop on 'An Introduction to captive breeding & management of freshwater ornamental fishes' on 1<sup>st</sup> December in google meet platform. The resource person of the session was **Dr. Eapen Jacob** Assistant Professor, **University College Thiruvananthuparam**. The workshop intended for U G and P G students of life sciences of different colleges of Kerala. After attending the session, students were familiar with the basics and scope of Aquaculture, present global and national scenario, export potential land world trade of ornamental fishes, Different varieties of exotic and indigenous fishes and new dimensions in aquaculture entrepreneurship. More than **hundred students** from different colleges of Kerala benefitted from the seminar.

The program was Live streamed in Youtube. The link to the Live video is given below.

<https://www.youtube.com/watch?v=YQcsmy0M23E>





### 16. My Story Series: Taking the Reins of Your Future in Your Hands

Associating Department: Postgraduate Department of English

Resource Person: Mr Unni Sanjay Michael

Date: 08 December 2021

Medium: Google Meet

Time: 06:00 PM

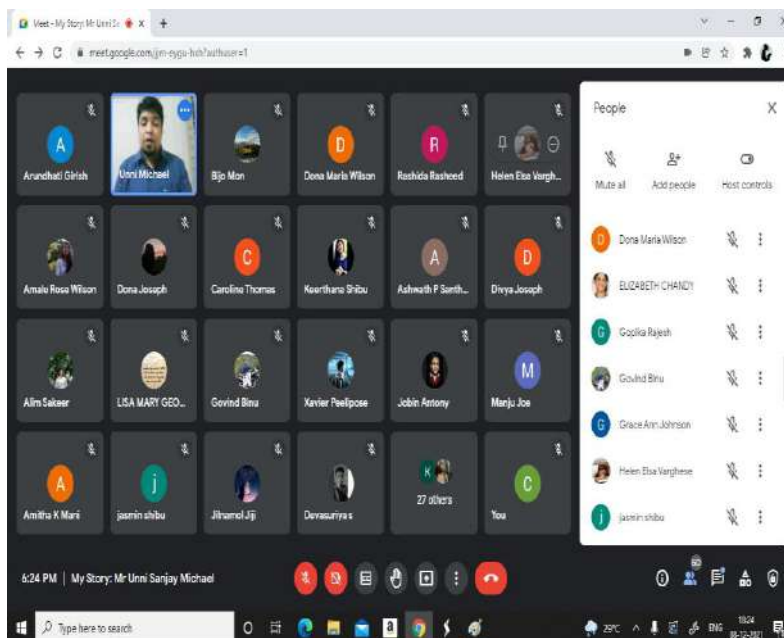
No of Participants: 50

The postgraduate department of English, in association with IEDC and IIC cells of Kuriakose Elias College conducted a talk as a part of the My Story Series. The resource person was Mr Unni Sanjay Michael, Co- founder and Director of IILT education trust. Beginning his career as a sparsely paid lecturer in a self-financing institution, Mr Unni changed the track of his career by overcoming all odds and launching a language training centre which grew into an education trust with a turnover of rupees 5 crores.





Mr Unni shared his story with the students whilst explaining the challenges an entrepreneur might face. He also explained the steps in which one may begin a startup and shared examples of other small-scale start ups that went on to become multi-million companies.



## 17. Report on Elaces Notes

The Department of English, K.E College Mannanam has launched a student initiative “Elaces Notes” in collaboration with IEDC and IPL. The programme was inaugurated by Prof.S Joseph, renowned Malayalam poet on 26 November 2021. The ceremony was held in New Seminar Hall and it was blessed with the presence of Rev.Dr.Xavier C.S CMI, Principal, K.E College Mannanam; Head of the Department, Dr.Sujarani Mathew; Co-ordinator of IEDC/IIC ,Ms.Divya Joseph; teachers of English department and student from various departments. Mrs.Ardra Ann Thomas and Ms.Miliya Rose Mathew were the faculty co-ordinators of the programme. The student organisers of the programme were Elvin Thomas, Minna Catherine John, Vijay Manoj, D.Hrishikesh and Nimisha Salin. Sixty students of the college got a chance to take part in the inaugural meeting and the video presentation that followed the formal function. As part of this new initiative, the student representatives of the department created e-resources based on the selected topics from the curriculum prescribed by Mahatma Gandhi university and it was broadcasted through YouTube. This





student initiative aimed at enhancing the pedagogical and communication skills of the students, and also to spread the spectrums of knowledge to a wider audience through a social media platform. Twenty three video lessons are uploaded as part of this initiative, through the YouTube channel “ELACES PRODUCTIONS.”

<https://youtube.com/channel/UCpsrnYdUcvVyzgMaFuLolIw>



### **18. Report on Entrepreneurship training program: Fabric Choker in Junk Jewellery & Frock Design Draping**

Cultural Club in association with Innovation and Entrepreneurship Development Centre (IEDC) and Institution Innovation Council (IIC) have conducted an Entrepreneurship Training program on Fabric Choker in Junk Jewellery & Frock Design Draping in an online platform. It was live webinar where all the participants were interacting with the resource person and clearing their doubts. Venue was at K.E College on March 17th 2022.







More than 70 students and 12 teachers have actively participated in the program and learned about making handmade product and sell it in an offline platform.

**KURIAKOSE ELIAS COLLEGE, MANNANAM**

INSTITUTION'S INNOVATION COUNCIL INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE

CULTURAL CLUB IN ASSOCIATION WITH **dream-zone**  
...school of creative studies... KOTTAYAM

Organizes **LIVE WEBINAR** on  
17<sup>th</sup> MARCH 2022, 2:00 PM TO 3:30 PM On  
**FABRIC CHOKER IN JUNK JEWELLERY & FROCK DESIGN DRAPING**

Google Meet  
RESOURCE PERSONS:  
THASLI THAJU & ANNA SHARON BOBY - FACULTY, DREAMZONE KOTTAYAM

PRINCIPAL : DR. ISON V VANCHIPURACKAL  
VICE PRINCIPAL : REV. DR. XAVIER C S

COORDINATORS  
REV. FR. JOHNSON JOSEPH ERI. MERRY MATHENS  
MS. AMAL SHARIN T J MS. ERYKA JOSEPH  
MR. TINTU K J

### 19. Report of Industry Visit

An Industry visit was conducted for 3<sup>rd</sup> year B.Sc Physics Students to the V-guard Stabilizer Assembling unit, Mannanam of V-guard company on February 25<sup>th</sup> 2022. 27 students have participated in it. 3 types of stabilizers were assembled there in the unit and employees demonstrated the assembling process and different stages of assembling and packaging. Students have actively participated and asked their doubts which were cleared by the employees effectiviely. Department of Physics in association with IEDC and IIC of the college have conducted this program and it was a grand success.



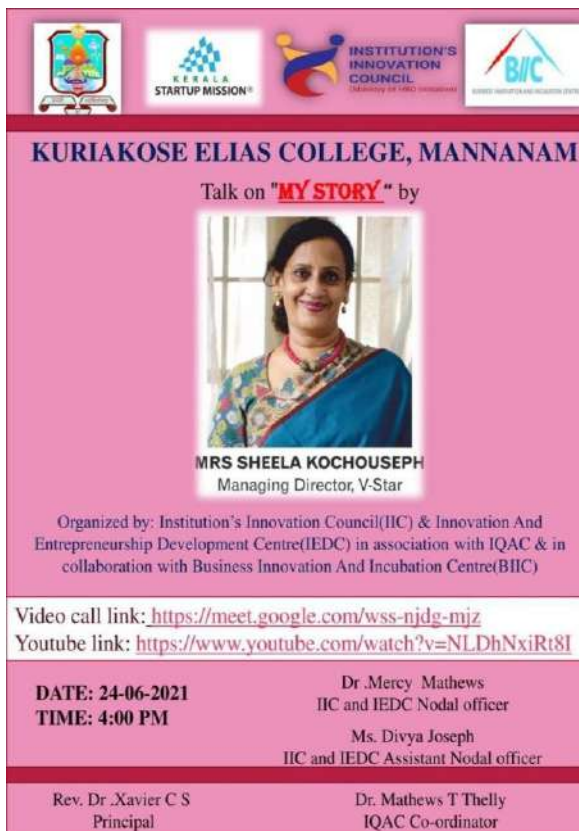


## 20. Report of Talk Series-“My Story”

Innovation and Entrepreneurship Development Centre (IEDC) of K.E College in association with Department of Physics have organized a webinar on “My Story: Talk series” on 26<sup>th</sup> June 2021 at 4pm.

The webinar was conducted through google meet platform and YouTube Live platform. The resource person was Mrs. Sheila Kochauseph, Managing Director, V-Star, which is an established garment company in Kerala. It was a hour programme with doubt clearance session too. 1500 participants including students and faculty members have attended the webinar. Dr. Mercy Mathews, IEDC Nodal Officer welcomed the gathering. Vice Principal Rev. Fr. (Dr.) Xavier C S felicitated the program. The chief guest delivered many ideas of starting a small scale business and developing it into big enterprises.



**KURIAKOSE ELIAS COLLEGE, MANNANAM**  
Talk on **"MY STORY"** by

**MRS SHEELA KOCHOUSEPH**  
Managing Director, V-Star

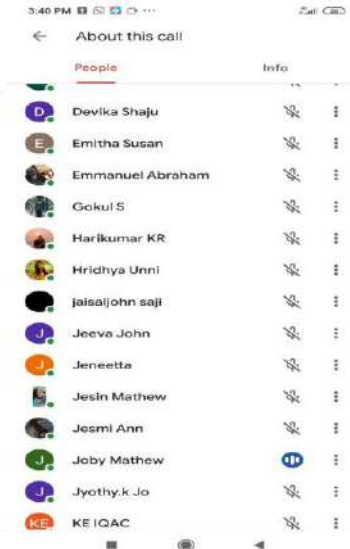
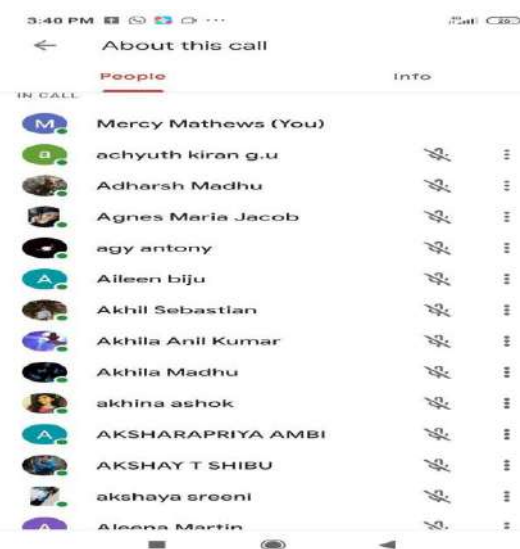
Organized by: Institution's Innovation Council(IIC) & Innovation And Entrepreneurship Development Centre(IEDC) in association with IQAC & in collaboration with Business Innovation And Incubation Centre(BIIC)

Video call link: <https://meet.google.com/wss-njdg-mjz>  
Youtube link: <https://www.youtube.com/watch?v=NLDhNxiRt8I>

**DATE: 24-06-2021**      Dr. Mercy Mathews  
**TIME: 4:00 PM**      IIC and IEDC Nodal officer

Ms. Divya Joseph  
IIC and IEDC Assistant Nodal officer

Rev. Dr. Xavier C S      Dr. Mathews T Thelly  
Principal      IQAC Co-ordinator



## 21. Report of SALT Programme- St. Ephrem's School

Start up and Leadership Training Programme (SALT) was conducted by Innovation and Entrepreneurship Develop Centre ( IEDC) of K.E College in St. Ephrems School for the 9<sup>th</sup> Standard students from January 10-14,2022. This programme is an initiative by Kerala Startup Mission to promote the innovation and entrepreneurial mind sets in and around each IEDC's.





This programme was conducted in the school auditorium for 5 days 3-4 hours per day. KE college IEDC have selected 5 resource persons from their college campus who were send to Trivandrum for the training to conduct this programme in the school. These college students who were selected as trainers attended a full day training programme in Trivandrum.

The best 30 students were of the 9<sup>th</sup> standard were selected with the help of school headmaster and the science and arts faculty members of the school for this particular Programme. On 10<sup>th</sup> January, SALT programme was officially inaugurated by famous Block Panchayath President of Kottayam, Dr. Rosamma Sony.



## 22. Field Visit for innovative activities

### Kerala Rehabilitation Institute For The Physically Affected (KRIPA)

PG Department of social work in KE college, mannanam has conducted an organization visit of 2021-23 batch on November 11, 2021 to Kerala Rehabilitation Institute For The Physically Affected (KRIPA)





KRIPA is a non-governmental non profit making and registered charitable society. The main activities done by KRIPA is training and empowering people with disabilities, creating barrier free environment and working for awarness regarding their rights and needs among the general public.

### **Kottapuram Integrated Development Society (KIDS)**

PG Department of social work in KE college, mannanam has conducted an organization visit of 2021-23 batch on November 11, 2021 to Kottapuram Integrated Development Society (KIDS). KIDS is a non-governmental organization NGO working in kerala, india. It works in the area of dairying and fisheries, animal welfare, tribal welfare, water and sanitation etc. In this visit it gave more informations about different types of empowering ideas, human resource development department etc..

### **Archdiocesan Temperance Movement for Awareness and Treatment of Addicts**

#### **(ATMATA Kendram)**

PG Department of social work in KE college, mannanam has conducted an organization visit of 2021-23 batch on November 11, 2021 to Archdiocesan Temperance Movement for Awareness and Treatment of Addicts(ATMATA)is a Non Governmental Organisation and registered charitable society. ATMATA Kendram envisages a healthy society where people especially those who are infected and affected by HIV/AIDS, Cancer, Drug Addiction, Mental illness and other suffering that holistic well being, quality of life and triple reconciliation with God, self and one another and thus free from sin and sickness.

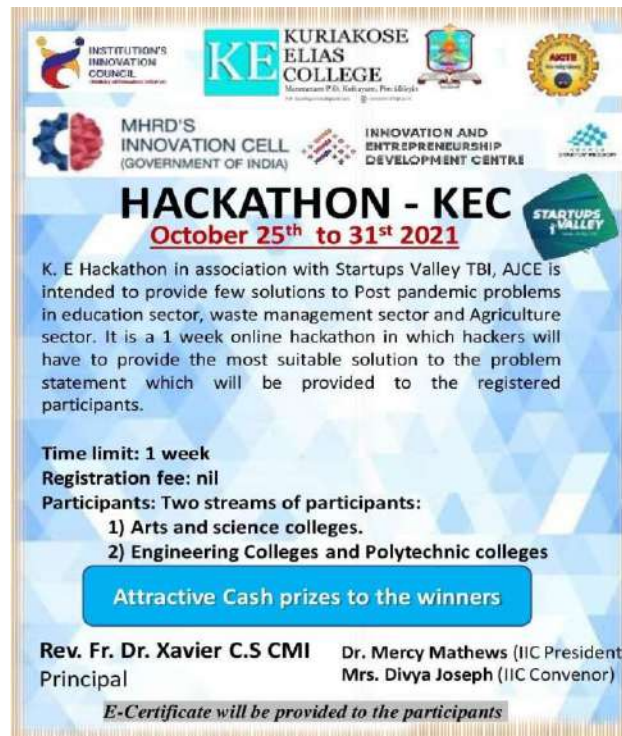




### 23. Report of K.E. Hackathon

K. E. Hackathon in association with Startups Valley TBI, AJCE has been conducted to provide few solutions to Post pandemic problems in education sector, waste management sector and Agriculture sector. It was a 1 week online hackathon in which hackers had to provide the most suitable solution to the problem statement which was provided to the registered participants. The duration of the hackathon competition is from 25<sup>th</sup> to 31<sup>st</sup> October 2021. Participants have actively took part in the completion and winners were provided cash prizes.



The poster for the Hackathon - KEC, held from October 25th to 31st 2021, features logos for the Institutions' Innovation Council, Kuriakose Elias College, MHRD's Innovation Cell (Government of India), and the Innovation and Entrepreneurship Development Centre. It also mentions Startups Valley. The text describes a one-week online hackathon for post-pandemic problems in education, waste management, and agriculture. It lists a one-week time limit, no registration fee, and two streams of participants: arts and science colleges, and engineering colleges and polytechnic colleges. A blue button highlights 'Attractive Cash prizes to the winners'. At the bottom, it lists Rev. Fr. Dr. Xavier C.S CMI as Principal and Dr. Mercy Mathews (IIC President) and Mrs. Divya Joseph (IIC Convenor) as organizers. A note states that an E-Certificate will be provided to the participants.

## 24. Skill Fest @2K21

Skill Fest 2K21 was organized by the Post Graduate Department of Commerce, K. E College Mannanam as part of the World Entrepreneurship Day on Aug 21 and Small Industries Day August 30. The contest was organised in order to provide a platform for the students to exhibit their talents and for the development of Entrepreneurship. The competition was conducted among K.E College students. Students were given an opportunity to present their skills from August 21<sup>st</sup> to September 15. 11 students participated in the programme from various departments by uploading a video of performing skill like crafts, cooking, tailoring etc. of less than 5 minutes to the department mail id and Ms. Alifna Thanseem of final year B.Com won the first prize and Ms. Rinu John of Psychology SF won the second Prize. The winners were awarded cash prizes.





<b>Skill Fest @2K21</b>				
	Name	Department	Mobile No	Category
1.	Rinku Maria Roy	Commerce (M.Com)	8590573368	Cooking
2.	Rinu John	Psychology(SF)	8078169565	Model Making
3.	Amalda Sony	BA English	7025646249	cooking
4.	Christeena Sajan	Physics 2nd DC	Mobile number: 8075551838	Craft
5.	Tessa Thankachan	Mcom aided	8129871741	Flower making
6.	Alphy Scaria	Commerce Aided	<a href="tel:7510478454">7510478454</a>	Stitching
7.	Dayanamol Issac	Bsc Zoology 2 <sup>nd</sup> year	NO:9605759917	Craft
8.	Taniya chacko	Chemistry	Craft	Cooking
9.	Alifna Thanseem	Bcom (Aided)	Craft	Craft
10.	Kavya Babu	Bcom (Aided)	Craft	Hand Embroidary
11.	Nimisha Salin	Department: BA English	Craft	Art







INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE

KE KURIAKOSE ELIAS COLLEGE

INSTITUTIONS PROMOTION COUNCIL

**DEPARTMENT OF COMMERCE AIDED PRESENTS**

**SKILL FEST 2K21**

OBSERVING WORLD ENTREPRENEURSHIP DAY (AUG 21) & SMALL INDUSTRIES DAY (AUG 30)

**ATTRACTIVE CASH PRIZES**

**GENERAL INSTRUCTIONS**

1. Make a small video of you performing a skill like crafts, artworks, cooking, agriculture, tailoring, fashion designing etc., of less than 5 minutes.
2. Entry restricted to students of KE College.
3. Video uploaded should be original.
4. Decisions made by the judges would be final and will be conveyed to the participants.

**LAST DATE OF SUBMISSION : 16/09/2021**

**MAIL YOUR ENTRIES TO : commerce@kecollege.ac.in**

Name, Department and Mobile number should be given along with the video.

FR. XAVIER CS CMI ( PRINCIPAL )	Ms. JENCY FRANCIS ( HEAD OF DEPARTMENT )	Mr. GEORGE J ( ASSO. DIRECTOR IC COORDINATOR )
MATHEW SEBASTIAN ( ASSO. SECRETARY )	ALEENA JOSEPH ( ASSO. SECRETARY )	

**Dr. Mercy Mathews**  
IIC President,  
IEDC Nodal Officer

**Dr. Fr. Xavier C.S.**  
**PRINCIPAL**  
**KURIAKOSE ELIAS COLLEGE**  
**MANNANAM, KERALA - 685 561**





## **IEDC Annual Report 2020-21**

### **1. Webinar on Intellectual Property Rights and Economic Development**

Department of Economics organized a webinar on “Intellectual Property Rights and Economic Development” on 24<sup>th</sup> March 2021 in association with IEDC, IIC, IPR cell and IQAC of the college.

The webinar was conducted through google meet platform (link, <https://forms.gle/bkPkP9xqfW9KNoYL8>). The resource person was Dr. Ajith M, Deputy Controller of Patents and Designs, Patent Office, Chennai. It was a one-day program. 75 participants including students and faculty attended the webinar. Dr. Rinu Jose, Head, Department of Economics welcomed the gathering and Principal of the college Dr. Brigit Paul presided over the program. Vice Principal Rev. Fr. (Dr.) Xavier C S felicitated the program and after the introduction of the resource person by Dr. Jesty Thomas (Co ordinator of the IPR Cell), the chief guest Dr. Ajith M handled a session on “Intellectual Property Rights and Economic Development”. Dr. Ajith shared his splendid knowledge and experience in Intellectual Property Rights and Patents and the importance for economic development. Drafting of the patents and the patent rules were well explained and discussed the salient features of IPR and gave an in-depth idea about copyrights, trademarks and patents. He also explained the importance to guard the thoughts and innovations by patenting.

The webinar was beneficial to faculty and students of various departments. The webinar ended with vote of thanks by Ms. Mekha Susan Rajan.





## 2. Webinar on “Innovations and startups : An Orientation”

Science Forum of K.E College in association with Department of Physics organized a webinar on “Innovations and startups : An Orientation” on 27<sup>th</sup> February 2021.

The webinar was conducted through google meet platform (link,<https://forms.gle/bkPkP9xqfW9KNoYL8>).The resource person was Dr. Benny Joseph Thullysseril, Innovation Ambassador, KMEA College Aluva. It was a one-day program.75 participants including students and faculty attended the webinar. Dr. Rinu Jose, Head, Department of Economics welcomed the gathering and Principal of the college Dr. Brigit Paul presided over the program.Vice Principal Rev. Fr. (Dr.) Xavier C S felicitated the program and after the introduction of the resource person by Ms.AparnaRaj (Coordinator of the Science Forum), the chief guest handled a session on “Innovations and startups : An Orientation”. The webinar was beneficial to faculty and students of various departments. The webinar ended with vote of thanks by Ms. Nisha Jiji, Dept. of Zoology.





**National Science Day CELEBRATIONS 2021**

**INTERCOLLEGIATE ESSAY COMPETITION**

TOPIC: REINVENTING FUTURE THROUGH SCIENTIFIC INNOVATIONS

**INSTRUCTIONS**

1. Essay should not exceed 300 words and should be mailed as attachment to [scicoforum@kecollege.ac.in](mailto:scicoforum@kecollege.ac.in)
2. Student details including contact number should be mentioned in the email.
3. Last date of submission 2nd March 2021

Prize : 1000rs  
: 750rs

FACULTY COORDINATORS:  
APARNA RAO (9747190286)  
NISHA MATHIA E C (9995013491)

DR. BRIGIT PAUL, PRINCIPAL  
Rev. Fr. Dr. XAVIER CHEERUMKUTTHARA CMJ, VICAR-PRINCIPAL  
Dr. MATTHEW T. TRILLY, IQAC COORDINATOR

**SCIENCE FORUM**  
In association with INTERNAL QUALITY ASSURANCE CELL (IQAC) organizer

**National Science Day CELEBRATIONS 2021**

2<sup>nd</sup> February 2021, Saturday @ 2.00 pm

MEETING OF INNOVATIONS AND STARTUPS: AN ORIENTATION  
Resource Person: DR. BENNY JOSEPH THULLISSEKIL, Professor, KMEA College Aluva (INNOVATION AMBASSADOR NEREA, GOVT. OF INDIA)

Meet E Certificate/Participate

INTERCOLLEGIATE ESSAY COMPETITION TOPIC: REINVENTING FUTURE THROUGH SCIENTIFIC INNOVATIONS

REC

**Innovation and Startups in HEI-Govt. Initiatives**

The Kerala State IT Infrastructure Limited  
To Establish startup Eco System Among Students in Higher Educational Institutions

- Skill Delivery Platform Kerala (SDPK)

The Kerala State IT Infrastructure Limited, Additional Skill Acquisition Programme (ASAP), ICT Academic, and the AIT About Salem, Technological University are working together for the programme.

This will channelise the students' interest towards the industry, which will be able to conduct research to impart skill sets, which they require in these institutions.

benny joseph

You, Aparna, 45 others

### 3.Report of My Guild: Developing Arts and Crafts Skills

Department of English in association with Innovation and Entrepreneurship Development Centre (IEDC) and Institution Innovation Council (IIC) have conducted a course My Guild which offers Skill training on Flower making, Wall art, Penholder making, Pencil Drawing, Bottle art etc. This program was conducted in an online platform. It was live webinar where all the participants were interacting with the resource person and clearing their doubts. The program was started on 5<sup>th</sup> December 2020 and ended on 15<sup>th</sup> December, 2020.

**My Guild**

This course offers you

- × Flower making
- × Wall art
- × Pen holder making
- × Pencil drawing
- × Bottle art

Sessions will be led by Teachers, Students and Research Scholars

Workshops are arranged on Saturday

**Be an artist!**

We provide beginner friendly easy to catch up and simple technique courses. Certificates will provided after the successful completion of the course.

DON'T MISS THE CHANCE REGISTER NOW!

FOR MORE DETAILS CONTACT

Student Coordinator: Ms. Nirmala T. J. 9400731651  
HOD: Dr. Sujarani Mathew 9447320083

CONVENOR: Ms. Nirmala T. J. 9497893676

English Department  
Kuriakose Elias College, Mannanam

Developing Arts and Crafts skills

**My Guild**

A venture of the Department of English for the College and Community

A Student Initiative Program

Grow your skills and discover the artist in you

Starting on 5th December, 2020

10 days of crafting

Free registration without any age limit

We offer you a well-organized and fun-course

Zoom meeting interface showing a grid of participants and a resource person speaking.





#### 4. Report on International Webinar on Careers in Physics, Innovations and IPR

Department of Physics in association with Institution and Innovation Council (IIC) have organised an International webinar on Careers in Physics, Innovations and IPR on July 4, 2020 in online mode. The webinar was conducted in Google meet and streamed online in official YouTube channel of the college. More than thousand participants have actively participated in this program and many students have asked their doubts in the question answer session. The talk was benefitted completely and it is officially published in the YouTube channel which is benefitted by many people even now.



#### 5. Kottayam Medical College Oxygen Plant Visit :Report

In the Lockdown period of Corona outbreak, Innovation and Entrepreneurship Development Centre (IEDC) have arranged an online virtual visit to Oxygen plant of Kottayam Medical College in order to inculcate innovative skills among students. In this programme more than 100 students have visited the Oxygen Plant on 01-06-2020.

The resource person of this programme was Mr. Joby Mathew, Engineer, Biomedical Division of , Medical College, Kottayam. In this program, the working and demonstration of the machines are directly shown online to the students on a virtual platform with the technical system by the workers of the oxygen plant. The students were very excited and curious to see





everything. The doubts, comments and questions of the students were shared in the meeting held after this.

**KURIAKOSE ELIAS COLLEGE, MANNANAM**

**INSTITUTION'S INNOVATION COUNCIL**  
(Ministry of HRD Initiative)

**KOTTAYAM MEDICAL COLLEGE OXYGEN PLANT: VIRTUAL VISIT**

ORGANISED BY : INSTITUTION'S INNOVATION COUNCIL (IIC) AND INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE (IEDC)

RESOURCE PERSON: MR. JOBY MATHEW, BIOMEDICAL ENGINEER, MEDICAL COLLEGE KOTTAYAM

Oxygen supply has become an important requirement for the hospitals, especially to deal with the Covid-19 Pandemic. In this virtual visit, The students of K. E college will learn how an oxygen plant in a hospital is operated and maintained.

DR. XAVIER C.S. VICE PRINCIPAL

ORGANISING COMMITTEE

IIC NODAL OFFICER: DR. MERCY MATHEWS.

IIC ASSISTANT NODAL OFFICER: MS. DIVYA JOSEPH

NSS PROGRAMME OFFICERS

MS. NEETHU JOSE  
MS. CHINCHU BANI  
VINCENT  
MR. SHAMAL TM

ON : 01/06/2021  
TIME : 3:30 PM  
@ GOOGLE MEET



## 6. Art of Bee keeping- Apiculture

An Agri Entrepreneur skill development programme on ‘Art of Bee keeping- Apiculture’ was organised by the Department of Botany in association with the Internal Quality assurance cell of Kuriakose Elias College, Mannanam on July 29, 2020. This webinar was organised in recognition of the importance of honey bees for sustainable agriculture and entrepreneurship development, especially among the graduate students.

Dr. Mathews. T. Thelly (HOD and IQAC coordinator) welcomed the resource person and participants to the webinar. Dr. Brigit Paul (Principal, K. E college Mannanam) delivered the inaugural address. Fr. Dr. Xavier C.S CMI (Vice Principal, K. E college Mannanam) felicitated the gathering. The resource person **Dr. Sajan jose K (Managing Director, Regal Bees garden, Kanjar, Moolamattom)** provided knowledge on bees, its lifecycle, disease management and honey extraction.

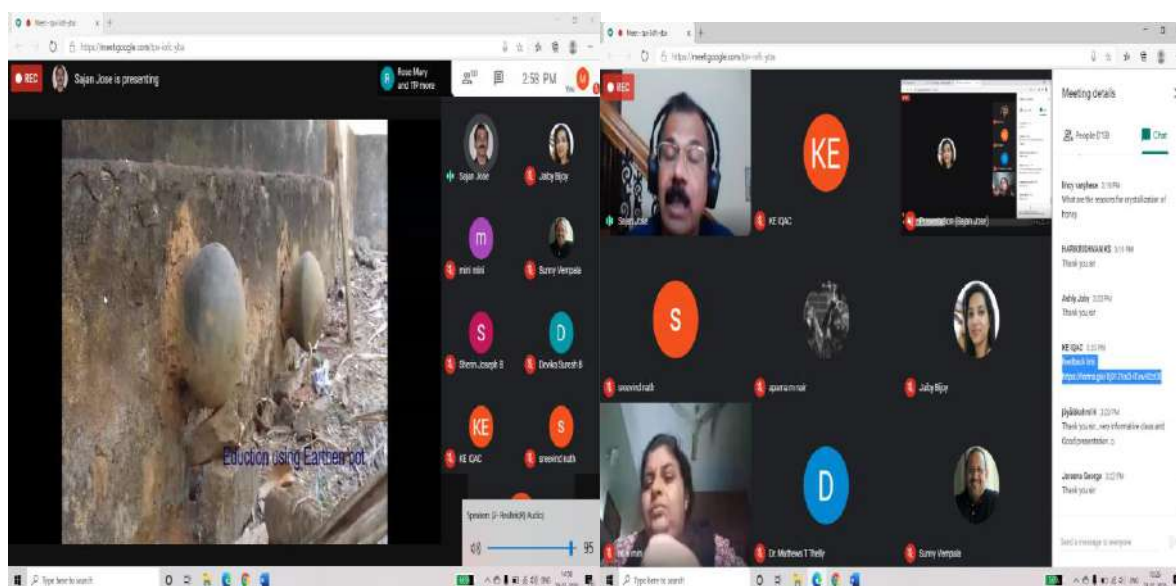
He highlighted the fact that, bee keeping, apart from creating a self-employment opportunity which generates good income, encourages the maintenance of biodiversity. The unemployed youth can start this as a business with minimal funds and proper utilization of natural resources. In addition to honey, the bee hive provides other useful products of economic value, such as propolis, bee venom, royal jelly, bees wax etc. Thus, bee keeping is a technology that





generates income from multiple channels. The talk was followed by an active interactive session.

A total of 140 participants attended the programme. Ms. Theja Joseph (Assistant Professor, Botany Department) proposed the vote of thanks. The webinar helped to update the skill and knowledge of the participants, especially students, in the field of agriculture with development of entrepreneurship among them.





## 7. Soil Testing for Integrated Nutrient Management

An Agri Entrepreneur skill development programme on ‘**Soil Testing for Integrated Nutrient Management**’ was organised by the Department of Botany in association with the Internal Quality assurance cell of Kuriakose Elias College, Mannanam on **August 19, 2020**. This webinar was organised in recognition of the importance Integrated Nutrient Management for sustainable agriculture and entrepreneurship development.

Dr. Mathews. T. Thelly (HOD and IQAC coordinator) welcomed the resource person and participants to the webinar. Dr. Brigit Paul (Principal, K. E college Mannanam) delivered the inaugural address. Fr. Dr. Xavier C.S CMI (Vice Principal, K. E college Mannanam) felicitated the gathering. The resource person **Ms. Sherly Zacharias (Assistant Director, Soil Testing Laboratory Kozha)** provided knowledge of how integrated nutrient management helps in maintaining soil fertility and of plant nutrient supply, at an optimum level, for sustaining the desired productivity.

Integrated nutrient management aims at optimal use of nutrient sources on a cropping-system or crop-rotation basis. One of the important aspects of integrated nutrient management is that it assists in the restoration and maintenance of soil fertility and crop productivity. It may also aid in preventing the emergence of nutritional deficiencies other than NPK. It reduces fertilizer waste and has a positive impact on the soil's physical, chemical, and biological environment. A total of 80 participants attended the programme. Ms. Theja Joseph (Assistant Professor, Botany Department) proposed the vote of thanks. This session encourages farmers to focus on long-term planning of cultivation methods and field preparation and make greater consideration for environmental impacts.

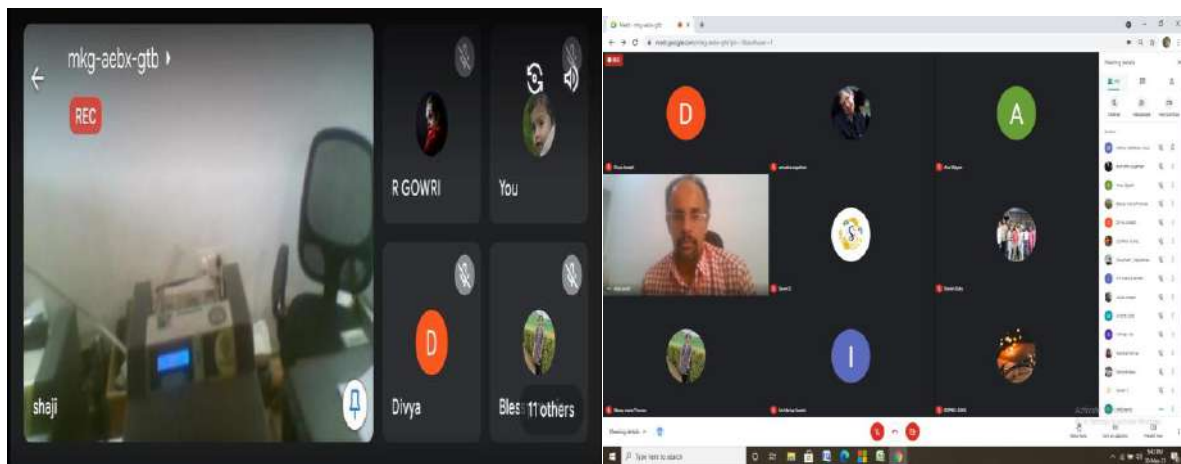






### 8. Report of TICEON-HSE Visit

In the Lockdown period, Innovation and Entrepreneurship Development Centre (IEDC) have organized an online virtual visit to a Startup named TICEON HSE which is a small company that makes air and surface disinfection machines using Ultra violet light based Technology. The students’ interest towards entrepreneurship was improved through this programme . In this programme, more than 100 students have visited the Startup on 30-05-2021.Mr. Shaji Jacob, the chief executive officer of the company explained the working of their devices and gave short virtual tour of their manufacturing lab.



### 9. Report of Faculty Development Programme on ‘Innovation and Entrepreneurship Development’

An online faculty development Programme was organized by Innovation and Entrepreneurship Development Centre (IEDC) in association with SCHEME FOR TRANS DISCIPLINARY RESEARCH FOR INDIA’S DEVELOPING ECONOMY (UGC-





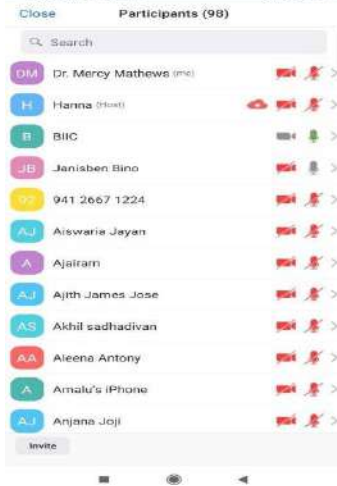
STRIDE) Mahatma Gandhi University, Kottayam during the period of April 15-21, 2021.

This one week online Faculty Development programme (FDP) has facilitated the participants

- To enable the faculty to generate new ideas.
- To equip them to convert their ideas in to market.
- To motivate faculties to become mentors of idea generation, innovation, entrepreneurship and skill development among students.
- To inspire the faculty to organize entrepreneurial and innovation related programmes in their institution.

The target group were Research scholars and faculties of Research Centers/Schools/ Affiliated Colleges of M.G University . More than 120 registrations were there and all participants actively participated and benefitted from the programme. Two main sessions were organised each day and Start-up owners, Experts from Kerala Start up Mission, and many International industrialist have acted as resource persons for this FDP. The programme was concluded on 21<sup>st</sup> april 2022 and it was a great success. All successful participants were given the e-certificate too.





**Dr. Mercy Mathews**  
IEDC Nodal Officer

**Dr. Fr. Xavier C.S. CMI**

**PRINCIPAL**  
**KURIAKOSE ELIAS COLLEGE**  
**MANNANAM, KERALA-685 561**





### **3. ESTABLISHMENT OF ENTREPRENEURSHIP DEVELOPMENT CLUB (ED CLUB)**

#### **ED Club Annual Report 2022-23**

Entrepreneurship Development club of the college aims to impart entrepreneurial skills instudents along with their education. The club works with the support of District Industries Centre,Kottayam. Activities of the entrepreneurship Development Club goes in tune with the objectives of IEDC and IIC of the college and hence the club has conducted its activities in collaboration withthese clubs. The activities of the Club for the academic year are presented below:

#### **1.Report of Industrial visit to Kannan Devan Tea Factory, Munnar**

An Industrial Visit to “Kannan Devan Hill Plantations Co.Pvt. Ltd”, a Tea Museum in Munnar, was organized by the Entrepreneurship Development Club in association with Commerce Department and Institution’s InnovationCouncil (IIC) and on 17<sup>th</sup> June 2022, Friday. 43 B. Com Computer Application students accompanied by two faculties and visited the industry by 11 AM. The visit to the tea factory was to provide the students an insight regarding the internal working of the industry and make them more aware of industry practices and regulations during the visit. The industrial visit provided the studentswith an opportunity to lean practically through interactionand working methods. At the factory, the students were given a firsthand information of the entire history of tea.

making and processing of tea from dried tea leaves. They also participated in a guided factory tourin which the history of tea and the different stages of processing the tea leaves to the final consumable form.

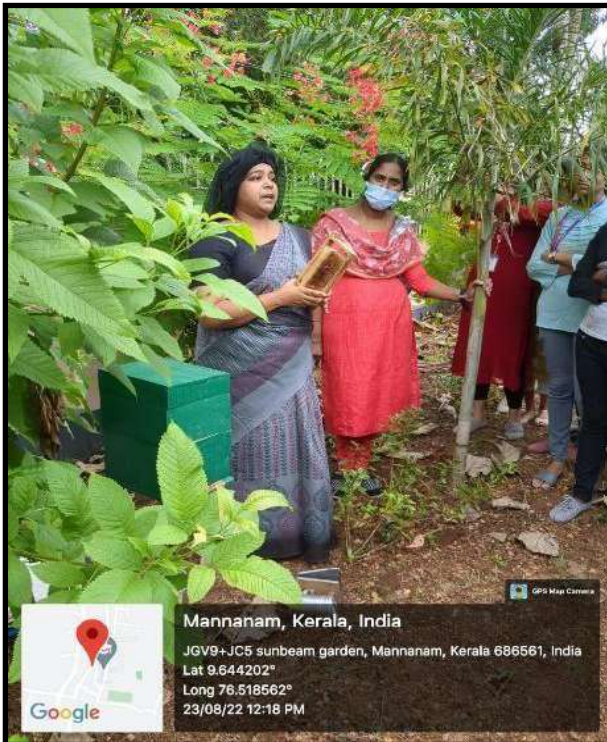




## 2. Report of Skill Training Programme on Apiculture

Post graduate Department of Commerce in association with ED Club, IEDC and Institution’s Innovation Council has organised a skill training programme on Apiculture on 23rd August 2022 at 12 pm. The training was provided to the second year B. Com and final M. Com students. Resource person of the programme was Ms. Neethu Jose, Assistant Professor in Commerce, K.E College Mannanam. 52 Students and 3 faculty members participated in the programme. The training programme was aimed to give entrepreneurship training in beekeeping to students. Resource person has explained in detail the maintenance of bee colonies, how they live in groups, and their typical behavioural traits such as nest construction, communication, defence, work division, environmental control etc. Also, information about laying of eggs, keeping them safe, extracting honey, as humans how we can help the survival of bees etc. Students got idea about entrepreneurship opportunities in beekeeping.





INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE **KE** KURIAKOSE ELIAS COLLEGE INSTITUTION'S INNOVATION COUNCIL

**POST GRADUATE DEPARTMENT OF COMMERCE  
KURIAKOSE ELIAS COLLEGE**  
In association with  
Entrepreneurship Development Club, IIC & IEDC

**SKILL DEVELOPMENT PROGRAM TRAINING ON  
APICULTURE**

**Organising committee**

- Dr. Ison V. Vanchipurackal (Principal)
- Ms. Jersey Francis (Head of the Department)
- Ms. Divya Joseph (IEDC Coordinator)
- Ms. Neethu Jose (ED Club Coordinator)
- Mr. George J Puthumana (IIC Dept Coordinator)
- Mr. Prajod Sunny



### 3. Report of the Field Visit to Business Innovation and Incubation Centre, Athirampuzha, Kottayam

Institution’s Innovation Council has organised a field visit in association with Post graduate Department of Commerce, ED Club and IEDC physical visit to the Business Innovation and Incubation Centre, Athirampuzha, Kottayam at the MG University campus.





Field visit was conducted on the 23rd of August 2020 at 3 pm. BIIC of MG University is providing research, incubation and technical assistance to innovators with good ideas. They are giving workspace and research help. The object of the visit was to give awareness about the ecosystem providers or the incubation facilities provided nearby to the students who are having innovative idea. The officers at BIIC welcomed the students and they got an opportunity to understand the facilities provided by the BIIC to the incubators, innovators and start-ups at early stage. 20 students and 2 faculty members participated in the field visit and was a fruitful activity conducted by the institution's innovation Council of the college.



#### 4. Report of the Field Visit to Innovation Foundation, MG University

Post graduate Department of Commerce in association with ED Club, IEDC and Institution's Innovation Council has organised a physical visit to the MG University Innovation Foundation on 23rd August 2022 at 2 pm. Innovation Foundation of MGU is a business innovation ecosystem, section 8 company under the companies Act. The object of the visit was to give awareness about the ecosystem providers or the incubation facilities provided nearby to the students who are having innovative idea. The officers at Innovation foundation welcomed the students and they got an opportunity to understand the working of foundation, the facilities provided by the incubator, services provided in the innovation





foundation etc.20 students and 2 faculty members participated in the field visit and was a fruitful activity conducted by the institution’s innovationCouncil of the college.



**KE KURIAKOSE ELIAS COLLEGE**  
Mannanam, P.O. Kottayam, Pin: 686601

Post graduate Department of Commerce  
in association with  
ED Club, Institution's Innovation Council and IEDC

**Field Visit to MGU Innovation Foundation,  
MG University, Kottayam**  
*Business Innovation Eco system, Section 8 company Under the  
Companies Act*



**On August 23<sup>rd</sup> 2022 @ 2 PM**

**ORGANISING COMMITTEE**  
Dr. Ivan V. Manchipirackal (Principal)  
Dr. Xavier C.S.C.M (Vice Principal)  
Dr. Mercy Mathews (IC President)  
Mrs. Divya Joseph (IC Convener)  
Mrs. Jency Francis (HoD, Commerce)  
Mr. George J Pulimunnath (IC Dept. Coordinator)



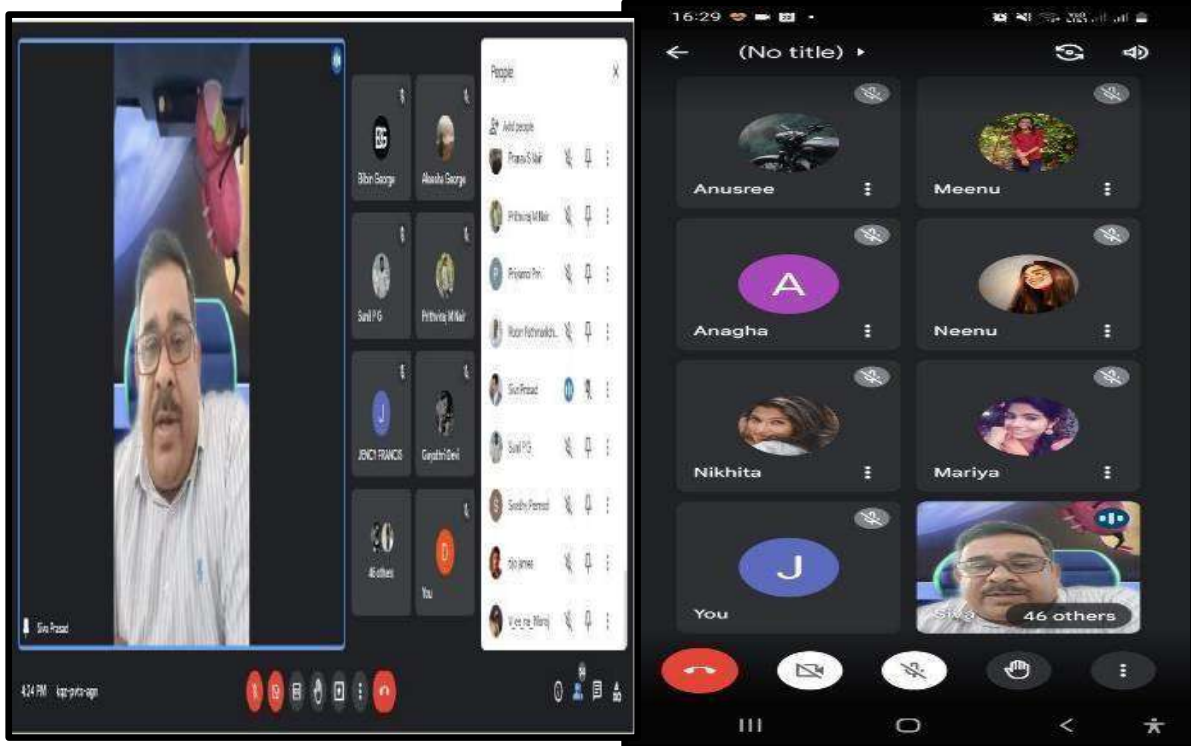




## 5. Webinar on Converting Innovation into a Start Up

As part of promoting innovation among the students and observing World Entrepreneurs Day on August 21<sup>st</sup>, the Post Graduate Department of Commerce in association with Entrepreneurship Development Club under the aegis of Institution's innovation Council organised a Webinar on ‘Converting Innovation into a Startup’ on August 25 at 4pm. Ms. Neenu, II year M.Com student welcomed the gathering. The technical session was handled by Mr. Sivaprasad C, General Manager, Josco Food Industries Vempally. He is an MBA graduate specialised in finance. He is a qualified and experienced management professional with proven track record in the field of Business Development, Accounting, Auditing, Financial management, ERP implementation, Restructuring, Critical factor analysis, Diversification, Group management and Administration of Medium and Large enterprises. Over 20 years of experience (14 years of Gulf experience) in top level management of leading business organization. He has also worked as post graduate level management faculty in financial management, accounting and general management subjects for MBA students of M G University School of Management and Business Studies in India and off campus centre in Middle East. He is currently working as General Manager, Josco Food Industries from October 2016 till date. Mr. Sivaprasad C, started the technical session with an introduction about innovation. Gradually he diverted the session to start up. 60 participants registered for the webinar and around 55 participants attended the webinar. At the end, there was a discussion session. Mr. Sivaprasad C clarified the questions raised by the participants. Fr. Robin Thomas Pathinarilchira of M.Com Second year proposed the vote of thanks.





### 6.Report of the workshop on Business Model Canvas (BMC)

Post graduate Department of Commerce in association with ED Club, IEDC and Institution’s Innovation Council hasorganised a “workshop on Business Model Canvas” to the post graduate students of commerce on 29th August 2022 at 11.30 am.Ms. Divya Joseph, Faculty of the departmentof Commerce as well as the IIC Convenor wasthe resource person of the workshop. Thepurpose of the programme was to equip the students to prepare a business model canvas of their business idea. 21 students participated in the workshop. The students were made groups and prepared four business model canvas basedon their business idea in the workshop. Students in groups presented their own business ideas andexplained their business model canvas. The beneficiaries were able to prepare a business model canvas of their own business idea and well as understood the concept of Business model Canvas and its key Components





**KE KURIAKOSE ELIAS COLLEGE**  
Mannanam P.O., Kottayam, Pin-686561

Post graduate Department of Commerce  
in association with  
ED Club, Institution's Innovation Council and IEDC

**WORKSHOP ON BUSINESS MODEL CANVAS**

**BUSINESS MODEL CANVAS**

On August 29th 2022 @ 11:30am

**RESOURCE PERSON**  
Ms. Divya Joseph  
Assistant Professor in Commerce & IIC Convenor  
K.E College Mannanam

**ORGANISING COMMITTEE**  
Dr. Ison V Vanchiurackal (Principal)  
Dr. Xavier C.S CMI (Vice Principal)  
Dr. Mercy Mathews (IIC President)  
Mrs. Jency Francis (HoD, Commerce)  
Mr. George J Pulliaman (IIC Dept. Coordinator)



### 7. National Innovation Day Celebrations

Entrepreneurship Development Club in Association with Department of Commerce, IEDC and IIC of the college organised an “article writing competition on Innovation in Education” in connection with national innovation day celebrations on 15<sup>th</sup> October 2022. 14 students from various departments participated in the event. The object of the programme was to celebrate the day and to get an idea on the role of education in developing innovative skills in students. Students exhibited their views in their articles and best articles were awarded prizes.

**KE KURIAKOSE ELIAS COLLEGE**  
Mannanam P.O., Kottayam, Pin-686561

POSTGRADUATE DEPARTMENT OF COMMERCE  
in association with  
ED Club, IIC and IEDC

**National Innovation Day Celebrations**  
15<sup>th</sup> October 2022

To commemorate the birth anniversary of former President of India, Bharat Ratna Dr. APJ Abdul Kalam

**Article Writing Competition on "Innovations in Education"**

Send your articles (PDF format) to [commerce@kecollege.ac.in](mailto:commerce@kecollege.ac.in) on or before 23<sup>rd</sup> October 2022. Work should be original and must be handwritten with maximum of 2000 words either in English or Malayalam.

Attractive Cash prizes to the winners

**Organising Committee**  
Dr. Ison V Vanchiurackal (Principal)  
Fr. Dr. Xavier C.S (Vice Principal)  
Ms. Jency Francis (HoD, Commerce)  
Dr. Mercy Mathews (IIC President)  
Mrs. Divya Joseph (ED Club Coordinator)





### 8. NOUVEL2022, KEC Handicrafts and Sweets Fiesta

In accordance with the directives of the Mahatma Gandhi National Council of Rural Education and as part of the commemoration of Women's Entrepreneurship Day, the Innovation and Entrepreneurship Development Centre, the Institution's Innovation Council, and the SESRE Cell organised a KEC Handicrafts and Sweets Fiesta on November 16, 2022 at Kuriakose Elias College, Mannanam. The fiesta's main goals were to encourage students to pursue vocational education, enhance their skills, and engage in rural business. Student self-help groups were initially created, and after a week, they chose the most promising business ventures. By November 15, 2022, the sweet recipes and crafts got ready. On November 16, 2022, IEDC coordinator Dr. Mercy Mathews gave a warm welcome to the group. Prof. Dr. Ison V. Vanchipurackal officially opened the fiesta and vice principal Fr. Xavier C.S., and bursar Fr. Biju Thomas Thekkekuttu, felicitated the gathering. Dr. Mathews T. Thelly, convenor of the SESRE cell, offered a vote of thanks. 92 faculty members and 750 students actively participated in the programme. Students enthusiastically promoted and sold their goods from stalls that had been setup in the ground floor. The fiesta enabled the students to showcase their artistic talents, and to recognize the importance of handicrafts and food products in terms of production and economical aspects.







### 9. Webinar on “Perspective of women in Entrepreneurship”

**ENTREPRENEURSHIP DEVELOPMENT CLUB**  
*in association with*  
 PG Department of Commerce, IIC and IEDC  
**19<sup>th</sup> November 2022**  
**Women Entrepreneurship Day**  
**Invited Talk on**  
സംരംഭകത്വത്തിലെ സ്ത്രീ പങ്കും

**Resource Person**  
**Swapna Das**  
 Assistant Director, DIC, Thiruvalla

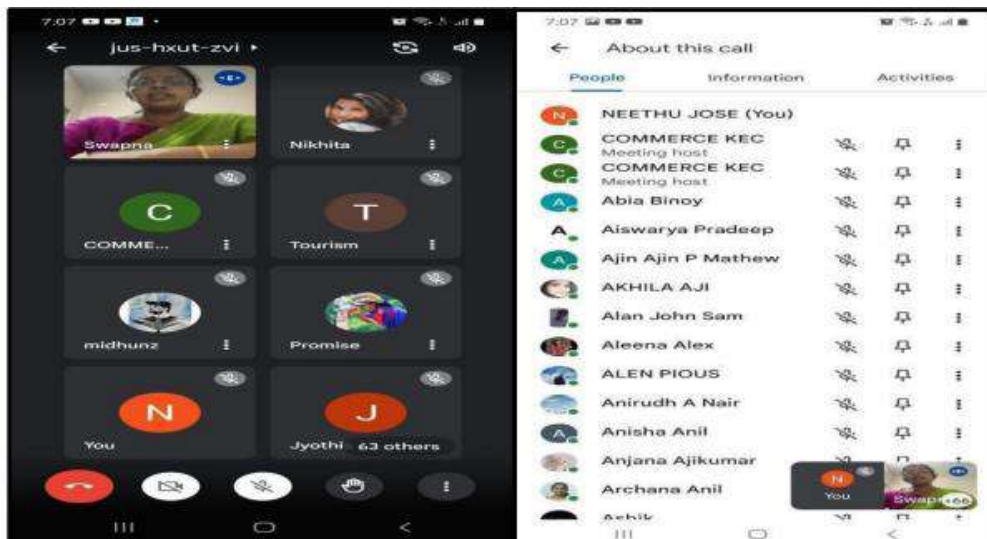
**Join us @ 7.00 pm on**  
<https://meet.google.com/jus-hxut-zvl>

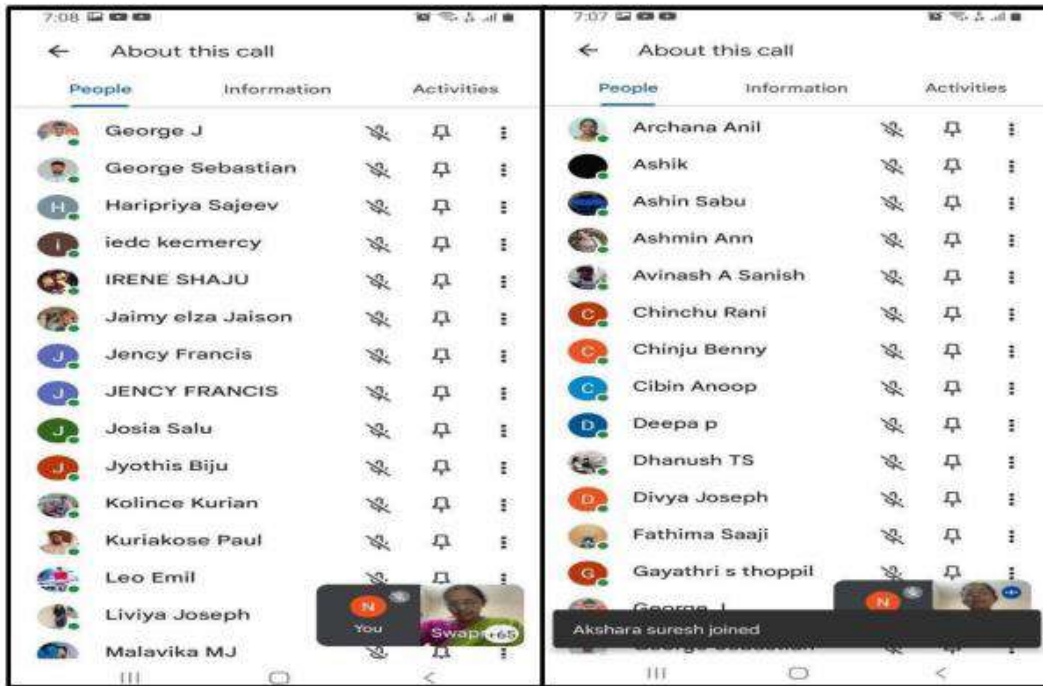
**Dr. Ison V. Vanchipurackal** (Principal)      **Fr. Dr. Xavier C.S** (Vice Principal)  
**Coordinators**

**Mrs. Neethu Jose**      **Mrs. Divya Joseph**  
**Dr. Mercy Mathews**      **Mrs. Jency Francis**

In connection with the Women Entrepreneurship Day, the Entrepreneurship Development Club in association with the P.G Department of Commerce, I.I.C and I.E.D.C organised a webinar on Women in Entrepreneurship on 19<sup>th</sup> November, 2022 at 7.00 pm through Google Meet. All the third year and second year degree students of Commerce Department attended the programme. The resource person Smt. Swapna Das,

Assistant Director, District Industries Centre, Thiruvalla, clearly discussed the hindrances faced by the women entrepreneurs nowadays. Government offers a number of schemes for bringing the women entrepreneurs to the forefront through District Industries Centres. The students were made familiar with these schemes. All the doubts of the students were cleared in the discussion round. The session was very inspiring and came to an end by 8.30 p.m.





### 10. Report of Pollution Reporting Competition



A reporting Competition was conducted by Entrepreneurship Development Club, in association with the Dept. of Commerce, IEDC and IIC on December 2, 2022 on pollution happening in the premises of the college and places near the houses of the students. Only 5 students participated and best report was given attractive prizes. This programme was conducted in collaboration with Business Innovation and Incubation Centre (BIIC), M.G University. Judges assessed the innovative way of reporting style of students who have participated and was given prizes.





### 11. One Day Workshop on Decoration Lights



ED Club In association with the department of Physics with applied electronics, IEDC and IIC conducted a one-day workshop on “Decoration Lights”, on 15<sup>th</sup> December 2022, as an initiative for providing Skill Training to the students. Prof. Dr Ison V Vanchipurackal, Principal of K E College inaugurated the training program. Mr. Anish Kumar P.S, Assistant Professor, Dept of physics with Applied Electronics conducted the workshop for around 21 students from various departments. The students were familiarized about the

component of decoration bulb and their assembly. They made decoration light individually and made it a successful one. The Decoration Lights made by the students on 15<sup>th</sup> December 2022 are sold to the students and staff members of the College. Those lights were also displayed in the Christmas stall on 23<sup>rd</sup> December 2022 organised by the IEDC and IIC. Many staff members and students encouraged our students by buying the decoration lights. Prof. Dr Ison V Vanchipurackal, Principal of K E College inaugurated the training program. Mr. Anish Kumar P.S, Assistant Professor, Dept of physics with Applied Electronics conducted the workshop for around 22 students from various departments. The students were familiarized about the component of decoration bulb and their assembly. They made decoration light individually and made it a successful one.







### 12. Sale of Decoration Lights



The Decoration Lights made by the students on 15<sup>th</sup> December 2022 are sold to the students and staff members of K.E College. Those lights were also displayed in the Christmas stall on 23<sup>rd</sup> December 2022 organised by the IEDC and IIC. Many Staff members and Students encouraged our students in buying the decoration lights





### 13.Skill Development Workshop on Soap making

Entrepreneurship Development Club in association with Post graduate Department of Commerce conducted a skill development workshop on Soap Making on March 2<sup>nd</sup> 2023. The training session was handled by Ms. Shilpa Joy, Assistant Professor in Chemistry, K.E College Mannanam. First year M.Com and 2nd Year B. Com students participated in the programme. The objective of the programme was to equip students to make soap by themselves for their use. 5 teachers and 45 students participated in the training session. The training has been a wonderful experience for the participants and they explored the programme in an effective manner.



**KURIAKOSE ELIAS COLLEGE  
MANNANAM**

**WORKSHOP ON SOAP MAKING**

ORGANISED BY  
ENTREPRENEURSHIP DEVELOPMENT CLUB  
IN ASSOCIATION WITH  
POSTGRADUATE DEPARTMENT OF COMMERCE

**RESOURCE PERSON**

**MS.SHILPA JOY**  
ASSISTANT PROFESSOR OF CHEMISTRY  
K.E. COLLEGE MANNANAM

**ORGANISING COMMITTEE**  
MS.JENY FRANCIS (HOD)  
MS.DIVYA JOSEPH (ED CLUB COORDINATOR)  
MS.NECTAR JUGE (ED CLUB COORDINATOR)

ON  
**2ND MARCH 2023**  
AT 2.00 PM

Divya Joseph  
ED Club Coordinator

Dr. Ison V Vanchipurackal  
**PRINCIPAL**  
**KURIAKOSE ELIAS COLLEGE**  
**MANNANAM, KERALA-686 561**





## ED Club Annual Report 2021-22

### 1. Webinar on ‘Angel Investing/Venture Capital Funding for Early Stage Entrepreneurs’

For inculcating entrepreneurial orientation and skills among the students and observing Small Industries Day on August 30<sup>th</sup>, the Post Graduate Department of Commerce in association with Entrepreneurship Development Club under the aegis of Institution's innovation Council organized a Webinar on ‘Angel Investing/Venture Capital Funding for Early Stage Entrepreneurs’ on August 31 at 7pm.



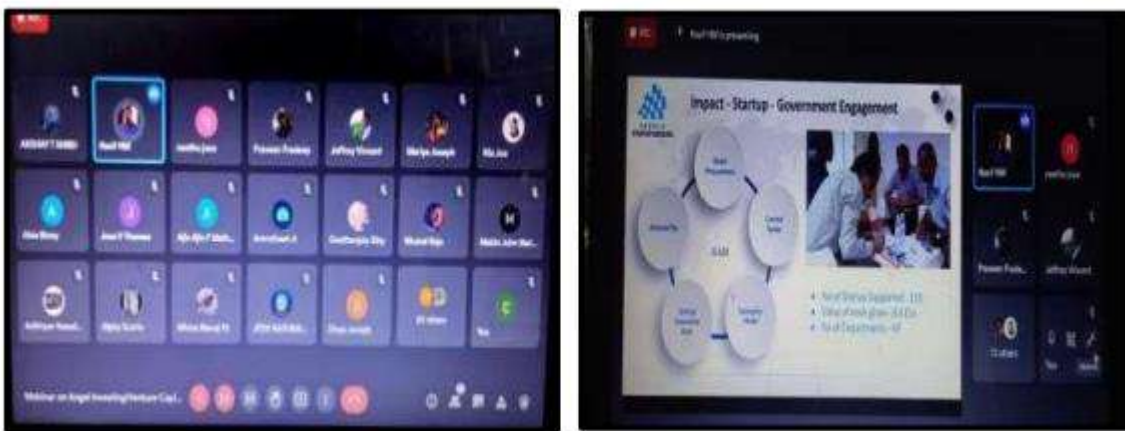
Ms. Neethu Jose, Assistant Professor, Department of Commerce welcomed the gathering. The technical session was handled by Mr. Nsaif N.M, Business Linkages Manager, Kerala Startup Mission. He is an MBA graduate specialized in marketing and HR. He is interested in building partnerships, strategy designing, business development, consultation etc. He has been an active member of Indian startup ecosystem. He was a Technology innovation fellow which was a programme of the Govt. of Kerala towards the promotion of innovation and entrepreneurship. At the same time he is involved with different industries, national and international communities like Global Shapers community, Tech Startup Weekend, Start up Grind, Angel Hack etc. He is currently working as a mentor, community lead and business linkages manager with Kerala Startup Mission. He is passionate about entrepreneurship and he enjoys working with talented people who brings positive changes through entrepreneurship.

Mr. Nasif N.M started the technical session with an introduction about Kerala Startup Mission and its services and elaborated on various funding options available for early stage entrepreneurs/start ups. He discussed Venture Capital Funding and Angel Funding





opportunities and the kind of effort an entrepreneur should take in order to get such funding options. 76 participants registered for the webinar and around 80 participants attended the webinar. At the end, there was a discussion session. Mr. Nasif N.M clarified the questions raised by the participants. Ms. Alphy Jose of B.Com Second year proposed the vote of thanks. The feedback was also collected. 67 participants submitted their feedback on the webinar. The feedback was very positive and majority of the participants considered it as a highly relevant topic.



## 2. Webinar on “How to become a Successful Women Entrepreneur?”

A webinar on “How to become a successful women Entrepreneur?” was organized by Entrepreneurship Development Club in association with Postgraduate Department of Commerce and Innovation and Entrepreneurship Development Centre (IEDC) of the college on 19<sup>th</sup> November 2021 at 7.30 pm. The webinar was delivered through google meet platform. The resource person for the session was Ms. Shiny Joshy, Senior Programme officer of Archana Women Centre, Ettumanoor, Kottaym. Being apart of the Archana Women Centre, which is an active partner implementing an integrated village development programme and facilitated the participation of women in the neighborhood through Self Help Groups and provided training to women in masonry Ms. Shiny could well deliver a session on the topic from her own experiences.





Around 55 participants attended the webinar. Students, faculties and research scholars from different disciplines participated in the webinar. It was an informative session as the students got an opportunity to understand the way to success in their journey to be an entrepreneur. Participants were very enthusiastic as they are interested to choose entrepreneurship as their career. The webinar gave an insight on the qualities an entrepreneur should poses, the challenges that is to be faced by them and also the ways to overcome those challenges. The resource person interacted with students and replied to their queries.

Participants opined that the webinar was conducted in a satisfactory way and the content and organization of the webinar as excellent. They also commented that the excellence and experience of the resource person was awesome.

**KE KURIAKOSE ELIAS COLLEGE**  
MANNANAM P.O., MANNANAM, PIN-686 501

**IPI** INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE

**ENTREPRENEURSHIP DEVELOPMENT CLUB**  
*in association with*  
Postgraduate Department of Commerce and IEDC  
*Observing*  
**Women Entrepreneurship Day**

Talk on  
**"How to Become a Successful Women Entrepreneur?"**

**Resource Person**  
**Ms. Shiny Joshy**  
(Senior Programme Officer  
Archana Women Centre, Ettumanoor)

Join us  
Google meet:  
<https://meet.google.com/cxe-hpg-sah>  
November 19<sup>th</sup> 2021 @ 7.30 pm

**Organising Committee**  
Rev. Fr. Dr. Xavier C.S CMI  
(Principal)

Mrs. Divya Joseph (ED Club Coordinator)  
Mrs. Neethu Jose (ED Club Joint Coordinator)  
Mrs. Jency Francis (HOD of Commerce)  
Mr. George J Puthumana (Dept. IEDC Coordinato  
Dr. Mercy Mathews (IEDC Nodal Officer)





### 3. Webinar on “Entrepreneurial Opportunities in Tourism Sector”

Entrepreneurship Development Club of the college in association with Tourism Club of the college has organised a webinar on the topic “Entrepreneurial opportunities in tourism sector” on 19<sup>th</sup> February 2022. Ms. Divya Joseph, Coordinator of ED Club, welcomed the gathering and introduced the resource person. Resource person of the webinar was Dr. Jacob Bose, Assistant Professor in the department of hospitality and management in Marian College Kuttikanam. He has an industrial experience of More than 5 years and has Awarded Doctoral Degree in Tourism- Specifically in the area Memorable Tourism. The webinar was designed to develop a greater understanding of the process and context for entrepreneurship as well as top to wide key concepts which will enable the participants to become more entrepreneurial and to explore the opportunities in the tourism sector.

Dr. Jacob has introduced the role of tourism sector in building entrepreneurial opportunities to the locality and encouraged the students to be entrepreneurs in tourism. He has listed out the areas with high entrepreneurial scope in relation to tourism sector. **63 students as well as 10 teachers** participated in the webinar. They got an idea about the wide scope of tourism industry in promoting entrepreneurship. Ms. Nisha Maria E.G, the coordinator of Tourism Club delivered the vote of thanks and the programme was concluded by 12.00pm.





Ms. Divya Joseph

ED Club Coordinator

Dr. Xavier C.S CMI

**PRINCIPAL**  
**KURIAKOSE ELIAS COLLEGE**  
**MANNANAM, KERALA-685 561**





## ED Club Annual Report 2020-2021

The activities of the Entrepreneurship Development Club for the year 2020-21 were officially started by selecting the office bearers for the year. Ms.Divya Joseph was in charge of the Club and Ms. Neethu Jose was the joint Coordinator. Ms.Biya M Thomas and Ms.Anju Salim George of Commerce Department were selected as the student Coordinators. A brief of the activities organized by the Club in the year is given below:

### 1.International Webinar on the topic “Entrepreneurial Mindset”

The Department of Physics with Applied Electronics in collaboration with ED club under the aegis of IQAC, K E College, Mannanam conducted the webinar on 22nd September 2020. The eminent speaker was Adv. Abhilash Thomas, Chief Executive Officer, Indusviva Health Science Pvt. Ltd, Bengaluru.

Adv. Abhilash Thomas words were really inspiring and thought provoking. He shared his experiences and his knowledge about Entrepreneurial skills. He also added that "Entrepreneurship is important, as it has the ability to improve standards of living and create wealth, not only for the entrepreneurs but also for related businesses. Entrepreneurs also help drive change with innovation, where new and improved products enable new markets to be developed”.

There were nearly about 900 participants who attended this international webinar. We had participants from all





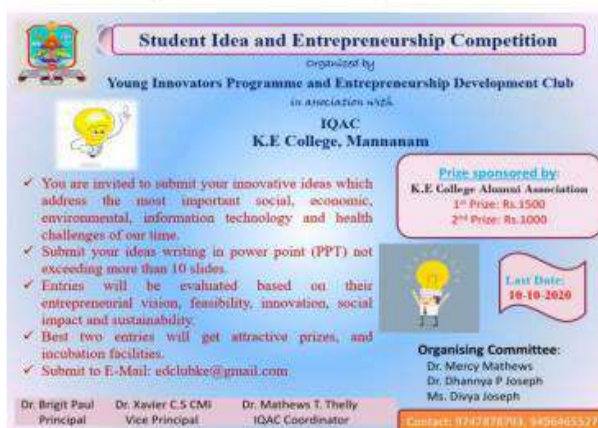


over India. The platform used were Google meet and YouTube at the same time. After the Session we had Q and A session which was conducted by Miss Soniya N V. There were plenty of queries but due to time constraints the doubts enquired were limited.

Finally, the vote of thanks was delivered by Ms. Divya Joseph, faculty from Department of Commerce and also ED Club Coordinator. This International Webinar on the topic Entrepreneurial Mindset was successful and attained attraction from not just students but also people with entrepreneurial Mindset. We received great response from the side of the participants. We were very much privileged to have Adv. Abhilash Thomas, Chief Executive Officer, Indusviva Health Sciences as our eminent speaker

### 2.Student Idea and Entrepreneurship competition

Entrepreneurship Development club in association with Young Innovators Programme Cell organised a student Idea and Entrepreneurship Competition for students of the College on October 10<sup>th</sup> of 2020. 15 students participated and presented their entrepreneurship ideas. The ideas were evaluated based on their entrepreneurial vision, feasibility, innovation, social impact and sustainability. Cash Prize worth 3500 were paid to the winners.



Jobin Sunny and team from Physics won the first prize. Anju John and Mekha Susan, research scholars of Chemistry were in the second place and Mahesh P Iyer of Computer Applications and Sandra Mariya of zoology were awarded Encouragement Prizes.

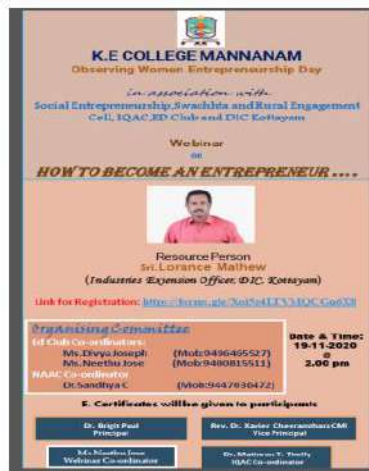
### 3.Women Entrepreneurship Day

The Entrepreneurship Development Club of our College in association with Social Entrepreneurship and Swachhta and Rural Engagement Cell, IQAC and District Industries Centre Kottayam observed Women Entrepreneurship Day on November 19<sup>th</sup> 2020. Dr. Brigit Paul (principal) inaugurated the programme. Vice Principal Rev. Dr. Xavier Cheeramthara CMI felicitated the gathering. Ms. Divya Joseph and Ms. Neethu Jose (





ED Club Co-ordinators) delivered the words of welcome and gratitude respectively. Followed by the inaugural session Sri.Lorence Mathew Industries Extension Officer, District Industries Centre Kottayam took a class on “How to become an Entrepreneur”. He explained the process of idea generation, mobilisation of resources and commercialisation of idea. He also discussed about the support and assistance given by the Government through DIC. Participants doubts regarding start ups were also cleared during the discussion. The seminar was arranged through the online platform Google meet and was very successful with 100 participants from inside and outside college. E-certificates were also distributed to the participants.



#### 4. Business Plan Presentation Competition

An All Kerala Inter Collegiate Business Plan Presentation Competition was organized by ED Club in association with Institution’s Innovation Cell on April 15<sup>th</sup> of 2021. About 30 students were participated in the contest. A total prize money of 3000 Rupees were paid to the winners. Alin Joseph and Albin Siby of Marian College Kuttikanam came in the first place. Mrs. Divya Joseph the Coordinator of ED Club and Ms.Biya M Thomas the student coordinator of the Club convened the Competition.



  
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## ED Club Annual Report 2019-2020

### 1. Inauguration

Activities of ED Club for the year 2019-20 were officially inaugurated by the well known entrepreneur Sri. Jose Mamparambil, Chairman of Mamparambil Group of industries, Kerala on 27/6/2019. He delivered a talk on the “keys to successful entrepreneur”. Inauguration meeting was presided over the college Principal Dr. Antony Thomas.

### 2. Christmas card making competition

As part of College Christmas day celebrations on 20/12/2019, ED Club in association with Commerce association organized a Christmas card making competition for the students. Anie Kurian of 1<sup>st</sup> M.Sc Chemistry. Sancia Jose of Psychology Aided and Anchala Shirin of B.Voc Retail Management department won the first second and third prizes respectively.





### 3. Industrial Visit

ED club of the college in association with commerce association organized an Industrial visit to Sahya co-operative Tea factory Thankamony on 19/2/2020. Thirty eight students of second year B.Com and two teachers participated in the visit. Students got an opportunity to know the process of manufacturing tea from dried tea leaves. The manager explained the working of factory to the students. It was a good experience to students.

### 4. Fest of Skills

A skill fest was organized by ED Club during lockdown period. Students were asked to do a video of not more than 5 minutes duration showing their special skills in painting, tailoring, electric works, handicrafts, cooking, agriculture etc. Many students participated in the fest and winners were awarded cash prizes.

### 5. Online Quiz

A National Level Online Awareness quiz on “Impact of Covid 19 on MSME Sector” was organized by the ED Club of the college. 1072 respondents were there for the quiz. All respondents who scored more than 60% were issued e-certificates.

Dr. Brigit Paul

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## ED Club Annual Report 2018-2019

### 1. Industrial visit

Thirty five students of M.Com along with 2 teachers visited Veegaland Water Purification Plant on 26<sup>th</sup> October 2018. Students got a chance to understand the water purification process adopted in Veegaland water theme park, Kochi. The employees explained in detail the working of the plant and the students were interested to get the knowledge on the process. Industrial visit was an informative and interesting one.



Dr. Antony Thomas

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## Case Study 2: Strategic Plan Deployment on Infrastructure Augmentation

### • Introduction

Kuriakose Elias College is deeply committed to the strategic deployment of infrastructure to enhance academic excellence, operational efficiency, and innovation. The college views its infrastructure not merely as a support system but as a foundation for innovation, growth, and excellence. This approach is embodied in its infrastructure strategy, which focuses on creating a conducive learning environment through a comprehensive and integrated development of both digital and physical resources.

### • Sub-goals of Infrastructure Strategy

1. **Digital Infrastructure:** The college has embraced modern technology to support teaching, learning, and administrative functions. This includes ICT-enabled classrooms, a centralized database management system, and a partially automated college office. The college's digital infrastructure also supports online attendance systems, extensive Wi-Fi networks, and access to resources like INFLIBNET.
2. **Physical Infrastructure:** The institution has invested in building and renovating facilities to ensure a state-of-the-art physical environment. This includes modernization of buildings, classrooms, laboratories, seminar halls etc. The campus is designed to be eco-friendly, with features like solar panels and generators to ensure an uninterrupted power supply. Additionally, the campus is accessible, with disabled-friendly ramps, wheelchairs, and disabled-friendly toilets.
3. **Learning Resources:** A key component of the infrastructure strategy is the provision of extensive learning resources. The college offers a central e-learning centre, a well-stocked library, and department-specific libraries. The chemistry and physics departments have advanced research laboratories, and the campus is equipped with computing devices to support enhanced learning.
4. **Innovation Hubs:** The college fosters innovation through dedicated spaces like innovation hubs, where students and faculty can collaborate on research and development projects. This commitment to innovation is further supported by the





integration of advanced technology in the learning process, such as the ETNL software in the language lab and the G Suite and Zoom applications for online learning.

## • **Infrastructure Augmentation**

Infrastructure augmentation at Kuriakose Elias College involves the continuous improvement and expansion of both its digital and physical resources to keep pace with evolving educational needs. This process includes:

- **Expanding Digital Capabilities:** The college has augmented its digital infrastructure by integrating modern information and communication technologies (ICT) into the learning and administrative processes. This includes online course offerings through platforms like Swayam and Coursera, which provide students with access to cutting-edge knowledge and skills. The college has also invested in advanced IT infrastructure, including computers, printers, scanners, photocopiers, and smart classrooms, ensuring that both students and faculty have the tools they need to excel.
- **Enhancing Physical Facilities:** The physical infrastructure has been significantly enhanced to support a wide range of academic and extracurricular activities. The college has renovated the existing buildings, and developed specialized facilities like research laboratories with the latest instrumentation. The campus also features a well-maintained indoor stadium, refreshment amenities, and parks that provide spaces for relaxation and cultural activities.
- **Continuous Improvement:** The college has a proactive approach to infrastructure development, continuously seeking opportunities to upgrade its facilities and resources. This includes improving internet connectivity, increasing surveillance with 24x7 CCTV cameras, and maintaining a robust firewall protection system. The focus on continuous improvement ensures that the infrastructure remains aligned with the college's strategic goals and adapts to the changing needs of the academic community.





- **Infrastructure Augmentation -Photos**

- 1.Renovation of administrative and main blocks**

















## 2.Chavara Hall - Examination Room





### 3.K.E. Media Hub



### 4.Data Science Studio





### 5. Language Skill Centre







### 6.Fabian Block



### 7.Fabian Hall





### 8. Fr. Peter Pulivelil Conference Hall





### 8. Research Block



### 9. Christopher Block





### 10. Self Financing Block

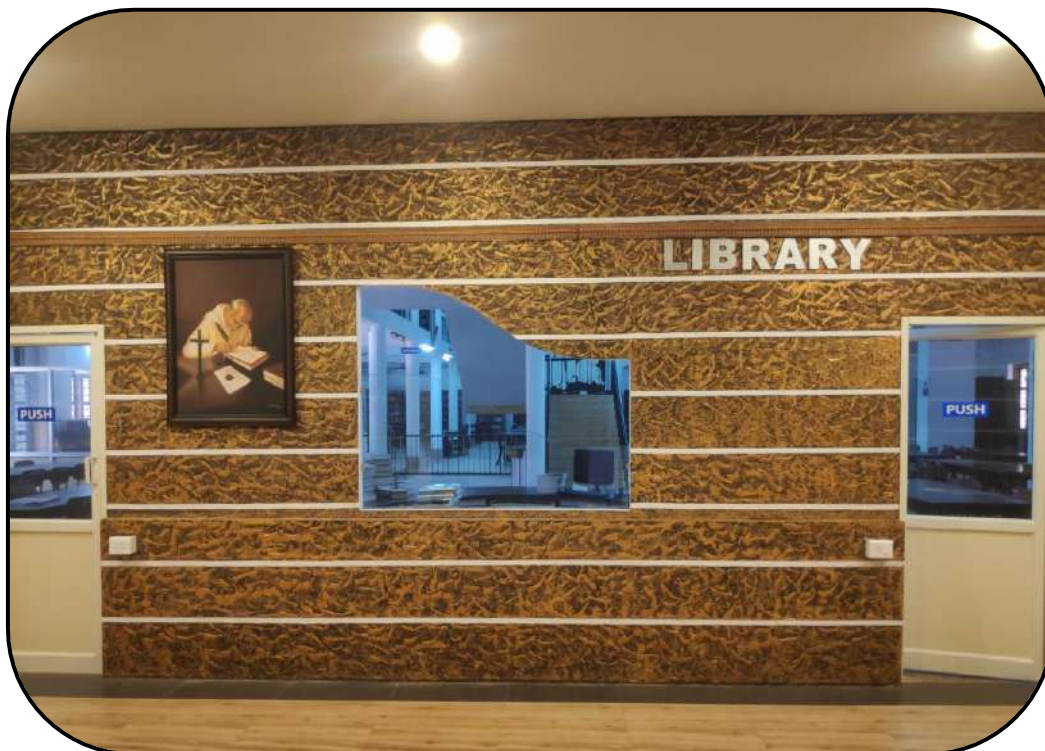


### 11. Sports Hostel





## 12.College Library



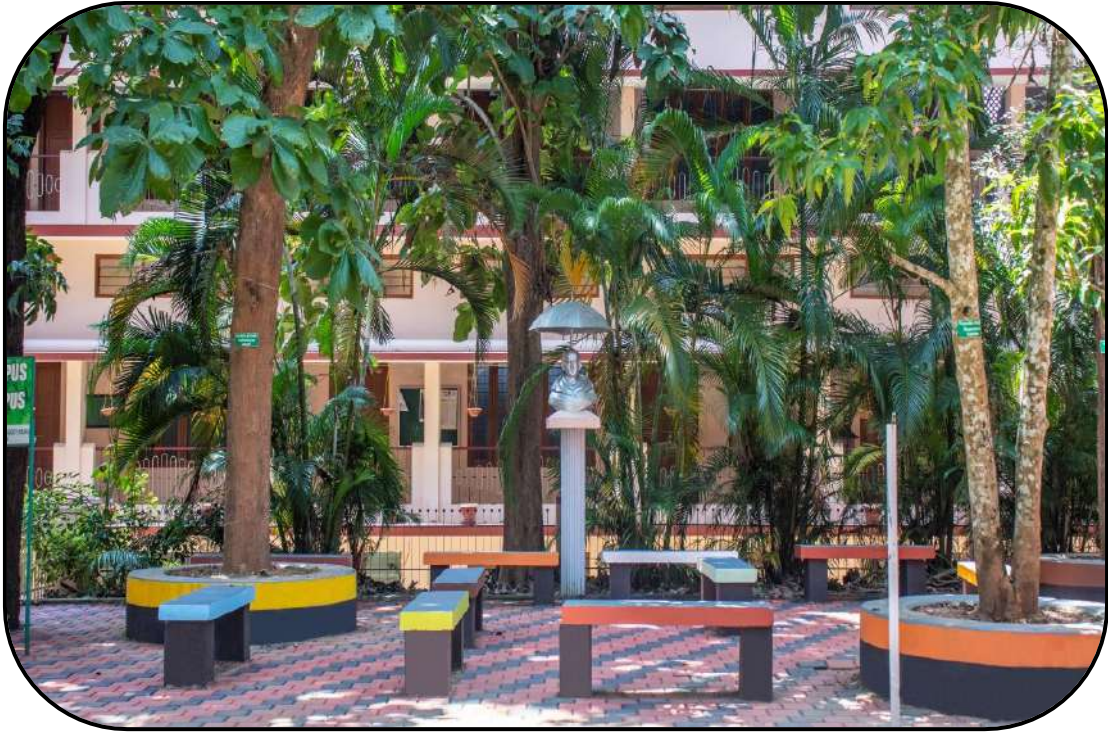


### 13. Computer Lab





### 14.Chavara Park



### 15.Butterfly Park





### 16.KEDAS Office



### 17.Reprography







### 18.Ramp/Rails



### 19.Canteen





## 20.Solar Panel





## 22.Human Resource Development Centre

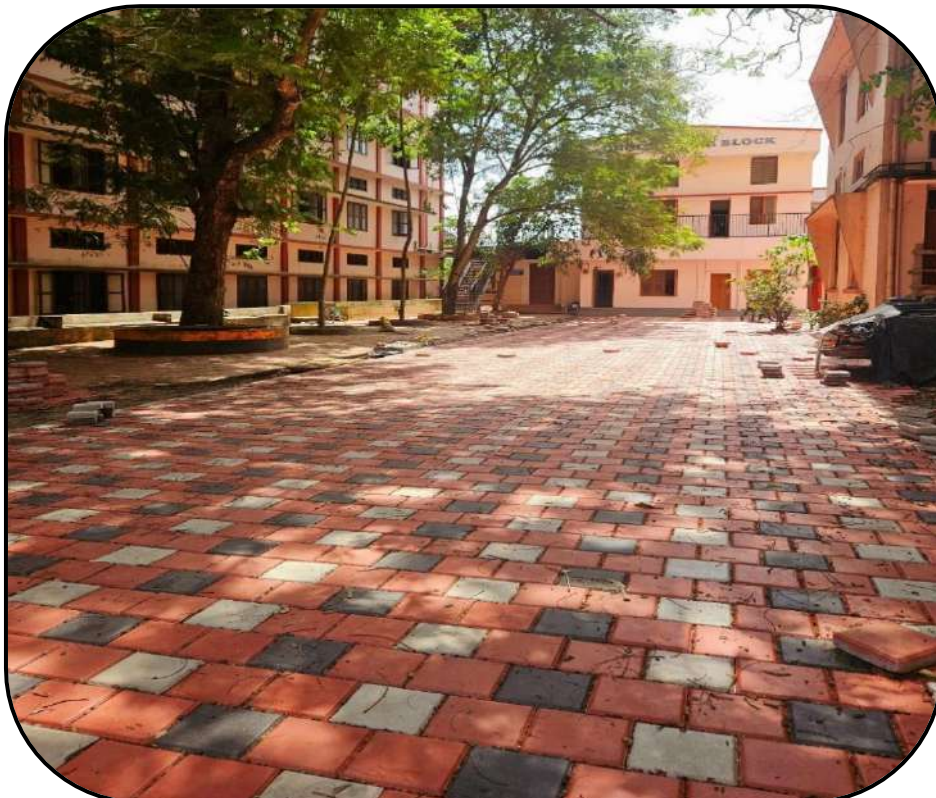


## 23.Innovation and Entrepreneurship Centre





## 24. Parking facility





## • Conclusion

Kuriakose Elias College's infrastructure strategy and augmentation efforts reflect a comprehensive approach to fostering academic excellence, innovation, and operational efficiency. By strategically developing and enhancing both physical and digital facilities, the college ensures that students and faculty have access to state-of-the-art resources, such as modern laboratories, smart classrooms, and collaborative spaces, which are essential for effective learning and research. This continuous investment in infrastructure supports a seamless educational experience and positions the college as a leader in providing a dynamic and forward-thinking environment for all stakeholders, enhancing its academic reputation and operational sustainability.



  
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