BEST PRACTICE I

INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE [IEDC]

Supported by Kerala Start-up Mission

Activity Report

2021-2022

by

SULLAMUSSALAM SCIENCE COLLEGE, AREACODE

Ugrapuram Post, Malappuram Dist, Kerala 673639

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PROMOTION OF INNOVATION AND ENTREPRENEURSHIP SKILLS

The college has set up an Innovation and Entrepreneurship Development Cell for the promotion of innovative thinking among students which will make the successful Entrepreneurs. The club has been functioning successfully in the campus since 2015. The IEDC Cell was the first of its kind in an Arts and Science college in Kerala.

1. **Objectives of the Practice**

To organise Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes, and Skill Development Programmes in the institution.

To guide and assist prospective entrepreneurs on various aspects.

To arrange interaction with entrepreneurs and create a mentorship scheme for student entrepreneurs.

1. **The Context**

Since Sullamussalam Science College is situated in a village in a socially and educationally backward district, Malappuram, many of our students did not get adequate opportunities to develop their innovative skills. It was in this context, the college set up an IEDC cell to kindle the innovative spirit in the student community to make them employable and potential entrepreneurs. IEDC has developed an institutional mechanism to create entrepreneurial culture in academic institutions. The mission of the IEDCs is to "develop institutional mechanism to create entrepreneurial culture in academic institutions to foster growth of innovation and entrepreneurship amongst the faculty and students ". Many research findings about have pointed out the lack of employability skills of gradates in India. There was a gulf between curriculum and the demands of the market. In this context, it became imperative to set up a cell which focused exclusively on promoting entrepreneurship skills along with developing their innovative ideas. In the context of a village like Areekod where students may get no other platform to develop such skills, the college set up this cell to promote these skills among the students coming from rural marginalized sections. 4. The practice An awareness programme about the importance of being an Entrepreneur rather than an employee is conducted at the beginning of the academic year. The cell arranges interaction with entrepreneurs and creates a mentorship scheme for student entrepreneurs. Organization of Idea Contests to promote critical thinking, and to creative an ecosystem for innovative practices. The cell helps students to participate in competitions and conferences in related areas organized by various eminent institutions like IITs. The cell organises workshops and hands on training sessions on "Entrepreneurial opportunities". The cell regularly organizes industrial visits to give students an opportunity to experience the innovative ecosystem The cell organizes Tech Talks- It is a 20 minute presentation by students on any of the advanced topics in Information technology 30/09/2019 85/97

1. **The Evidence of Success**

• IEDC cell in the college is recognized as one of the best in an Arts and Science college in Kerala.

• Members of the IEDC cell are invited to conduct workshops on hands on training sessions in the neighboring institutions.

• The activities of the cell has created in the institution an atmosphere conductive for innovation.

1. **Problems Encountered and Resources Required**

The IEDC is facing it difficult to implement many new projects due to shortage of funds. Government aid and support from the institution are not enough to meet its expenses. Financial constraints make organizations of international events difficult. The locality in which the college is situated is not an industrially developed area. Hence, students have to travel to distant cities for meeting industrialists and businessmen. The college is looking for external aid to set up a state of the art innovation hub and Fab lab on the campus.

1. **Notes**

This intuitional platform for innovative thinking develops the innate potential of students. They are encouraged to come with technological solutions for the problems that their community faces.

General Information

Name of the college   :   **Sullamussalam Science College, Areacode**
Name of the Nodal Officer   :   Muneer VK
                                Assistant Professor in Computer Science
                                 9744794110 | vkmuneer@gmail.com
Principal   :   principal@sscollege.ac.in

Internal Mentors   :   Fayaz Ahamed
                            :   Riyas Aboobacker

External Mentors   :   Habeeb P [Research Scholar, IISc Bangalore]
                            :   Niyas K. [NuCore software solutions, Cyber Park]
                            :   Yasir N.V [CEO, Yara Communications, Kozhikode]

LIST OF SELECTED MEMBERS OF IEDC

Ahalya O	Hafeefa KK	Rinsha	Mubashir V
Hanna Sherin P	Rahiya C	Arafa	Shafeequ PC
Fathima Diyana P	Anisa Almas	Aslam	HasinMahsool A
Fahmeeda	Adeeba M	Nasla	Shafeer
Mubassir	Saniyya	Naseef	savad
Shoiab	Sabeerali	Muhaimin	Shihasa
Rashif BP	Alfas	Rahees	Anushree
Navas C.K	Azeeb	Adeeb	Haroon
Safwana	Nishad	Aman (Physics)	Sreeraj (Physics)
Yaser	Robert	Muhammed Shahmil	abdulla
Jasir (PG CS)	Aneesrahman	Luhasaniyya	hukbath

PROGRAMMES AND EVENTS

Sl.No	Event Date	Event Name	Remarks
1	23-11-2021	Bootcamp -IEDC Orientation	
2	29-11-2021	Techtalk-7 - Smartphone Processors; A Game Changer?	Technical session
3	30-11-2021	Training on Chips & sensors	
4	01-12-2021	Hands On Workshop on Hardware tools & Assembling	
5	02-12-2021	Robotics Team development Training	Tech
6	04-12-2021	Into the Tinkerverse -TinkerHub	Community Development event
7	08-12-2021	Student Startup Awareness event	Entrepreneurship Development
8	10-12-2021	Techtalk-8: Discord and Joy of Programming	Tech
9	18-12-2021	SALT training at Trivandrum	Entrepreneurship
10	09-02-2022	Techtalk-9– GitHub	Tech
11	18,19-2-22	RoboLearn workshop @ IHRD Vattamkulam	Outreach Programme
12	21,22-2-22	RoboLearn workshop @MES KVM College, Valancheri	Outreach Programme
13	05-03-2022	Visit IEDC Summit @ SJCET Palai	
14	10.03.2022	Illuminate: Coding Bootcamp	Innovation & Skill development
15	10.03.2022	Illuminate: Poster design	Innovation & Skill development
16	10.03.2022	Illuminate: speak up JAM	Innovation & Skill development
17	10.03.2022	Illuminate: Fundas of Stockmarket	Innovation & Skill development
18	10.03.2022	Illuminate: Kahoot – Infotainment Quiz	Innovation & Skill development
19	**18-03-2022**	**Train the trainers**	
20	26-03-2022	Salt Training at SOHSS	

1.   BOOT CAMP (IEDC Orientation)

On 23rd November 2021, the Innovation and Entrepreneurship Development Cell at Sullamussalam Arts and Science College conducted the selection drive with a motive to empower the students. The session was compared by Mr. Ashif, the tech lead of IEDC and started with Mr. Muhaimin's welcome speech. The webinar was inaugurated by Mr. Muneer V.K.Ashif spoke on entrepreneurship

and startups that gave the students a wide range of ideas on the opportunities waiting for them outside of campus. The programme ended with a vote of thanks by savad .

EXECOM Formation 2021

The IEDC community at Sullamussalam Arts and Science College held their first meeting on the 26th of November 2021 to nominate the students into the Executive Committee known as EXECOM for the academic year 2021-22.The nodal officer Muneer Sir spoke on the responsibility of each EXECOM member.

He then assigned the students to various committees according to their interests and skills.

The new EXECOM in-charge

Iedc lead	Ashif
Quality and operational lead	Savad Shamil haifa v
Creative and innovation lead	Samshar jalwa
Technology lead	Muhaiminmarjanamihal
Branding and marketing lead	Luhasameehshaheen
Community lead	Nijazshahil
Finance lead	Ajay Vivek

2.   TECH-TALK 7 - "Smartphone Processors; A Game Changer?!"

The IEDC club conducted its 7th Tech-talk at the Seminar hall on 29th November 2021. The tech talk was led by Mr. Nijaz Ali, a 2nd year student. Tech-Talks are 20 minute sessions led by a student on the latest trends and updates in IT, followed by a 10 min session of Q&A with the audience.The talk was on the topic "Smartphone Processors; A Game Changer?!" which basically discussed about the processors that powers the smartphones in our hands and also the various trends and terminologies related to it like SOC,ARM and latest Apple M1 Processors were also discussed.

3.   SESSION ON INTRODUCTION TO CHIPS & SENSORS

IEDC of Sullamussalam Science College conducted a session on introduction to chips & sensors on 30th november 2021.Session was lead under IEDC tech lead Abdul Muhaimin at Innovation lab.Resource person gave a brief of information about sensors and various chips.Session concluded Shahil giving vote of thanks.

4.   Hands On Workshop(Hardware tools Assembling)

IEDC of Sullamussalam Science College conducted a workshop on hardware tools and assembling on 1st december,2021.System admin of Sullamussalam Science College Sainul Abid lead the workshop at college seminar hall. Students got a clear view about assembling a system and various internal parts of computer by this session. The programme was concluded by Haifa giving vote of thanks.

5.   ROBOTICS – Team building for Workshops

The IEDC club gathered again on December 2, 2021 for a session on Robotics at the IEDC Lab. It was an introductory class for students interested in the field of Robotics.Mr. Muhaimin, the tech lead of IEDC led the session. He discussed the basics of robotics- i.e. the different kinds of robots, sensors etc. The students later coded for the blinking of an LED. Mr. Muhaimin assured the students that he'd arrange more sessions for them. Mr. Vivek gave the vote of thanks.

Resource person:AbdulMuhaimin

6.   INTO THE TINKERVERSE- TinkerHub

On 4/12/2021, the IEDC club had the opportunity to bring in professionals to the campus for a talk with the students.Miss. Ananya, Product Manager at Google and Mr.Anandhakrishnan, Operational at Truecaller were the auspicious guests. They induced in the students a sense of curiosity and excitement to get into the industry. They talked on various opportunities for fresh graduates. The session lasted for about 2 hours, later Muneer Sir presented the guests with complimentary awards and wished them success for their future endeavours.

7.   STUDENT START-UP : How and Why?

8th December 2021, the IEDC club hosted a talk on 'Student Start-up: how and why?' The speaker was Mr. Fayaz Ahmed, Head of the Commerce Department. Mr. Muneer, the Nodal Officer, gave the welcome speech and keynote address.

 Mr. Fayaz talked about various entrepreneurs- their stories, their values, and their downfalls illustrating why each of them are examples for different kinds of reasons. It was such a fun session that kept the students engaged throughout. Towards the end he talked about why we should strive for start-ups that bring value to the society and its people. Almost 40 students attended the talk.

 The session's vote of thanks was given by Mr. Muneer, Asst. Professor of the

Computer Science Department.

8.   TECH-TALK 8 – Discord and Joy of Programming

The IEDC club conducted its 8th tech-talk of the academic year on 10th December 2021. It targeted on creating awareness on the new 'Joy of Programming' project and introducing Discord to its first time users.

The session's main speaker Mr.Muhaimin started off by acquainting the students to the different features available on Discord and how to use it to its maximum potential. He later talked on the 1 month course called 'Joy of Programming' encouraging students to take part in the same and benefits of doing so. The session was very lively thanks to the participation of numerous students. The session was concluded after an hour with a feedback from Rasha and a vote of thanks by Sameeh.

9.   SALT(StartUp Awareness & Leadership Training)

Members of IEDC SS college participated in startup awareness & leadership training at Trinity Engineering College,Trivandrum on 18th december 2021.Ashif,Savad,Samshar,Shahil,Jurair where team got trained for training students of schools during the program.It was wonderful experience for the team.

10.   TECH-TALK 9 - GitHub

On, 9th february 2022,innovation and entrepreneurship development cell of sullmussalam science college conducted 9th series of techtalk.IEDC lead ashif lead the talk about the introduction to github at college seminar hall.he gave introduction to git and how to use it effectively. Talk prolonged for half an hour with 70+ students. Session concluded by Haifa by giving vote of thanks.
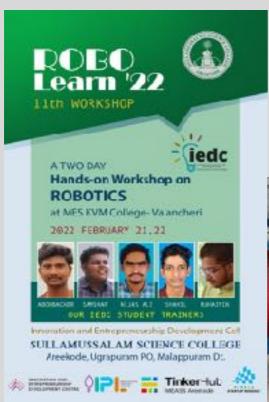
11. ROBO LEARN'22(10th workshop)

IEDC of Sullamussalam Science College conducted a two day hands-on workshop on ROBOTICS at college of applied science ,Vattamkulam on 18th&19th february 2022. Tt was the 10th series of ROBOLEARN conducted by IEDC of our college.Team of Muhaimin,Shamil,Junaid,Ramzy,Aboobacker handled the workshop.

12. ROBO LEARN'22(11th workshop)

IEDC of Sullamussalam Science College conducted a two day hands-on workshop on ROBOTICS at MES KVM CollegeValanchery on 21st&22nd february 2022. It was the 11th series of ROBOLEARN conducted by IEDC of our college.Team of Muhaimin,Shahil,Nijasali,Samshar,Aboobacker handled the workshop.

13. IEDC SUMMIT

A team of 7 members of IEDC of Sullamussalam science college participated in IEDC Summit-2022 which was held at SJCET Palai on 5th march 2022.Students interacted with various startups and technologies during the summit.It was the event in which announcement about our IEDC got upgraded as Business Incubator by KSUM.

വിദ്യാർഥികൾക്കിടയിൽ സംരംഭകത്വം പ്രോത്സാഹിപ്പിക്കാൻ പദ്ധതി

● ഐ.ഇ.ഡി.സിയുടെ സുല്ലമുസ്സലാം കോളജ് യൂനിറ്റിനെ ടെക്നോളജി ബിസിനസ് ഇൻക്യുബേറ്റർ ആയി ഉയർത്തി

അരീക്കോട്: വിദ്യാർഥികൾക്കിടയി ൽ സാംരംഭകത്വത്തിന് പ്രോത്സാ ഹനം നൽകുക എന്ന ലക്ഷ്യവു മായി കേരള സ്റ്റാർട്ടപ് മിഷൻ നടപ്പാക്കുന്ന ഐ.ഇ.ഡി.സിയു ടെ (ഇന്നോവേഷൻ ആൻഡ് എ ന്റർപ്രണർഷിപ് ഡെവലപ്മെന്റ് സെന്റർ) സുല്ലമുസ്സലാം ആർട്സ് ആൻഡ് സയൻസ് കോളജ് യൂനി റ്റിനെ ടെക്നോളജി ബിസിനസ് ഇൻക്യുബേറ്റർ (ടി.ബി.ഐ) ആ യി ഉയർത്തി.

പത്തുലക്ഷം സ്റ്റാർട്ടപ് ഗ്രാ ൻഡ് സഹായത്തോടെ ടി.ബി. ഐ ആയി തെരഞ്ഞെടുക്കപ്പെ ട്ട കോളജിലെ ആദ്യത്തെ ആ

ർട്സ് ആൻഡ് സയൻസ് കോള ജാണ് സുല്ലമുസ്സലാം സയൻസ് കോളജ്.

ടെക്നോളജി ബിസിനസ് ഇ ൻക്യുബേറ്റർ യൂനിറ്റായി ഉയ ർന്നതോടെ വിദ്യാർഥികൾക്കും അധ്യാപകർക്കും പൊതുജനങ്ങ ൾക്കും മറ്റു സംരംഭകർക്കും പു തിയ പദ്ധതികൾക്ക് തുടക്കമിടാ നും കമ്പനികൾ ആരംഭിക്കാനും സാധ്യമാകും. മലബാർ മേഖലയി ലെ നൂറുകണക്കിന് വിദ്യാർഥിക ൾക്കും പുതിയ സംരംഭം തുടങ്ങാ ൻ ആഗ്രഹിക്കുന്നവർക്കും ഇത് മു തൽക്കൂട്ടാവും.

കോളജിൽനിന്ന് കഴിഞ്ഞ അ ഞ്ചുവർഷത്തിനിടെ പഠിച്ചിറങ്ങി യ വിദ്യാർഥികൾ ഇതിനകം ആറ് കമ്പനികൾ തുടങ്ങിയിട്ടുണ്ട്. സാ ങ്കേതിക വിദ്യ ഉപയോഗിച്ച് നൂത ന സംരംഭങ്ങൾ ആരംഭിക്കാനു ള്ള പദ്ധതികളുമായി വരുന്നവ ർക്ക് വിദഗ്ധ സമിതിയുടെ പിന്തു ണ ഉറപ്പാക്കാനും ഈ സെന്റർ വ ഴി സാധിക്കും.

CERTIFICATE
of Achievement

IEDC of Our College has been

UPGRADED

to Technology Business Incubator (TBI)

We are the first Arts & Science College in Kerala
Achieving this milestone with startup grant

Innovation and Entrepreneurship Development Cell

SULLAMUSSALAM SCIENCE COLLEGE

Areekode, Ugrapuram P.O, Malappuram Dt.

ILLUMINATE : Season 1 [Skill development and Innovation week]

Tinkerhub community SS College, is here to start a new beginning 'ILLUMINATE'. Illuminate is a series of programmes and interactive sessions which totally aim to increment the skills and innovation mindset of the students.Job market today requires people with skill and with our new start up 'ILLUMINATE' we guide our peers to rise as the finest Entrepreneurs, Innovators, and Tech enthusiasts. Join us to have some very productive and frolic sessions.

It is designed to run as two seasons, Season 1 and season 2. Each season consists of three courses. Parallel sessions will be conducted in different domains which are completely run by students of our college.

Illuminate | Season 1

- ⍰ Coding bootcamp by Abdul Muhaimin (Campus Lead)
- ⍰ Poster Design by Hukubath (Tech Lead)
- ⍰ Speak up! JAM in English by Anjitha (Asst. Campus Lead)

Illuminate | Season 2

- ⍰ Introduction to Stock Market by Ashif MA (CCO - IEDC)
- ⍰ Digital Art, Smart Money by LuhaSaniyya (Creative Lead)
- ⍰ Kahoot- An infotainment Quiz by MuhamedShahmil (Mentor)

14.   CODING IS SUPERPOWER

Coding is the language for future as it gives a super cool way to think. Everybody should learn to **program** a **computer**, because it teaches you how to think. Coding is fun! Join ourone month coding bootcamp on Javascript. Build up some cool project.

Faculty	:	Abdul Muhaimin
Duration	:	30 Hours
Season	:	1

15.   LEARNING THE ART OF DESIGNING

Designing is a skill. If you have a desire to intensify your skill, here is a glad tiding. Tinkerhub community SS college has come up with a magnificent idea of leading a session on Poster designing.Join us and Make your intelligence visible through designing. "THE MORE YOU USETHE MORE YOH HAVE"

Faculty   :   Hukbath
Duration   :   45 Hours
Season   :   1

16.   SPEAK UP! LEARN ENGLISH

Oops!! You still got dilemma with your Language?? Your confidence doesn't let you speak English to a wide audience?? Don't worry We, Tinkerhub community SS College, gives you a perfect chance to hone your English speaking skill. Team up with us to have a completely fruitful session.

JAM - Just A Minute
Faculty   :   Anjitha
Duration   :   30 Hours
Season - 1

17.   INTRODUCTION TO STOCK MARKETING

Stock marketing is a place where people buy/sell shares of publicly trusted companies.....If you wish to know more on stock marketing , Tinkerhub community SS College is clearing the way out for you.To know more about it, join us in Discord and have a brilliant session. Investing in the stock market is the most common way for beginners to gain investment experience.

Faculty   :   Ashif MA
Duration   :   30 hrs
Season 1

18.   KAHOOT:INFOTAINMENT QUIZ
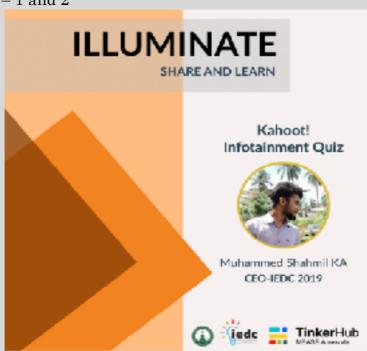
CAN WE RESTART THE WEEKEND???

Unlock your knowledge at the speed of thought.! Let's have a brain-booster session with Tinkerhub Community SS College. Say a big YES to new opportunities and join us in 'KAHOOT' at 8:30 PM. Let's have a fair and fun learning.
A smart answer won't get you fired!!!!

Faculty   :   MuhamedShahmil KA
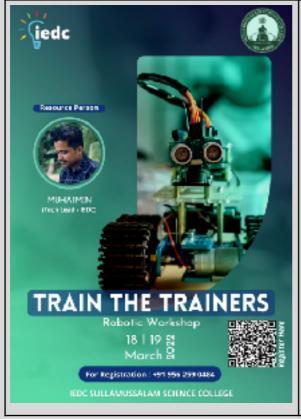Duration   :   12 hours
Season – 1 and 2

19. ROBO LEARN'22(12th workshop) – Train the Trainers

The IEDC club conducted a 2 day Hands on workshop at the campus on the 18th and 19th of March 2022. This workshop was intended on training the trainers. Mr. Muneer gave the welcome address while Dr. Muhammed Ilyas, Principal, gave the presidential address. The Chief Guest, Dr.Shoukath Ali(Former Dean, NIT Calicut) inaugurated the workshop and also motivated the students by talking about the latest trends in the tech field. Awards were distributed to special achievers and winners of various contests. The awardees include Abdul Muhaimin, for his accomplishments throughout his campus life, Rashida V, for winning first in the tech-hunt and Code-a-pookalam, Fasna and Shana, received cash prizes for being the runners-up in the Tech hunt contest, Hukbath, for his code-a-pookalam and Muhsina Parvin for being the top scorer

in the Joy of Programming. Luha, WIT lead, ended the inaugural ceremony with the vote of thanks.

No. Of Participants:30

Resource persons :Dr.Shoukathali, Abdul Muhaimin,Nijas Ali,Ramzy Hisham,Shamil,Shahil

20. SALT @SOHSS

IEDC of Sullamussalam Science college conducted SALT (Startup Awareness and Leadership Training) at Sullamussalam Oriental Higher Secondary School on 26th of march 2022.The program was inaugurated by Muneeburahman,the principle of SOHSS Areakode.Muneer VK, the nodal officer of IEDC Sullamussalam Science College gave a clear picture about the aim behind salt.various sessions handled by IEDC members Ashif,Savad,Shahil,Shamsar,Jurair. Program gave us good feedback from the attendees of training.Certificates were distributed among the 48 participants from SOHSS Areakode.