

Report of Amal Jyothi IEDC - 2016

Name of the college : Amal Jyothi College of Engineering, Kanjirappally

Name of the nodal officer : Sherin Sam Jose

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Activities report

SL No	Item	Nos
1	Number of Competitions/ Hackathons/Exhibition participated	14/1/2
2	Awards won by the students.	14
3	The amount generated by winning cash prize.	1905000/-
4	No of exhibitions conducted	1
5	No of Startups in the IEDC with Details	4
6	No of Patents Generated in the IEDC	0
7	No of Commercial Projects	4

1. Awards/ Recognitions

Mr. Ajo John Mathai, Aravind KP, Arun Varghese Mathew and Joel Varghese Sunny was selected to the Microsoft Bizspark startup programme.

Mr Hemanth Joseph was in the spotlight for identifying a security bug in Apple's iPad Air iOS v 10.1. **(Received Rs 10 lakhs)**

Mr Hemanth Joseph also found some security fault in google and received **Rs 5 lakhs** as reward.

The **LatInno** latex backpack project of **Mr Ajin Omanakuttan and team (Guide – Mr Aby Varghese)** and a low-cost spice drying machine project by **Mr Prince Vincent** got selected to the India Innovation Initiative's national fair in New Delhi.

In a rare honour, the member spotlight of the Oracle Academy newsletter was on one of our mentor **Mr Juby Mathew**. It was the first time that a college from Asia was featured in the spotlight section.

Mr Ajo John Mathai, Mr Aravind KP, Mr Arun Vargese Mathew and Mr Joel Varghese Sunny emerged winners at Techspectations, the *Manorama* online digital summit, picking up a cool **Rs 2 lakh** in the process.

Mr Joseph J Ponnezhath and three others were selected for the Jagriti Yatra, a 12-destination tour which is an initiative of Jagriti Sewa Sansthan, an NGO that promotes entrepreneurship.

The egg de-sheller project of **Ronz Roy, Thomas George Panicker, Snery Samuel and San Thomas** (all 2016 outgoing), and **Bergin S Russel**, and mentored by **Mr Sreerag V** won the honours at the *NIT Thatva 2016* competition. (**Rs: 25,000/-**)

Our TBI secured the second prize in Star Gazing contest organized by ISBA (**Rs: 50,000/-**)

Our students under the banner of Amal Jyothi IEDC, regularly participate in State-level innovative project contests/programmes and win prizes. Details are furnished below.

Sl #	Name of Contest	Prize	Name of the Participants	Name of Project	Amount
1	Techtop-16	First	Ajin Omanakuttan, Alen Anil, Akash CM and Parameswaran S,	Table Top Coconut Husking Tool	50,000/-
2	Techtop-16	Consolation	Jes Thomas Mathew, Naveen Emmanuel, Jacob Abraham, Jiya George and Allan Mathew,	E-Spark	20,000/-
3	IEDC Summit	Second	Ajin Omanakuttan, Alen Anil, Akash CM and Parameswaran S,	LATINNO	10,000/-
4	I Beto 16	Second	Ajin Omanakuttan, Alen Anil, Akash CM and Parameswaran S,	LATINNO	25,000/-
5	I Beto 16	Second	Chandu Das Dan Jose Adarsh David Lal Ajai K Sunni	Plastic to fuel	25000/-

Total Prize Money: 1905000/- (Rupees Eighteen lakhs and eighty thousand)

2. Programmes organized

Internal

Sl.N O	Date	Topic	Handled by	No of Participants
1	12/8/2016	Interactive session with	Dr. Deborshi De, Motivational Speaker	85
2	17-8-2016	Interactive session with.	Sanjay Vijayakumar, Founder of Startup village	60
3	19-10-2016	Greenroom Wizztalk	Mr. Nagaraja Prakasam(Angel Invester) and Mr. Abilash Pillai(CEO, Bloombloom Dreambiz (P) Ltd)	125



Interactive session with Dr. Deborshi De, Motivational Speaker



Interactive session with Sanjay Vijayakumar, Founder of Startup village.

2.1 Makers Hub of Amal Jyothi College of Engineering

Sl.N O	Date	Topic	Handled by	No of Participants
1	11-08-2016	Experience Sharing by Techtop Winners	Ajin Omanakuttan, Alen Anil, Jes Thomas	23
2	25-08-2016	Experience Sharing – IEDC Summit	Chippy Jhonson, Amalu	28
3	18-8-2017	My experience with APJ: As a student	Fr.Dr. A k George	26
4	1-9-2016	Dreams of Startup	Gigi Devassy Co-founder of MobLoo, Innovator and teacher	38
5	29-9-2019	Cyber Security	Mr. Hemanth Joseph,S7 ME and Mr. Nithin S5 MT	57

2.2 I k Youth Entrepreneurship Awareness Camp

Sl.N O	Date	Topic	Department participated	No of Participants
1	04 & 05-11-2016	Entrepreneurship Awareness Camp	DDMCA	90
2	04 & 05-11-2016	Entrepreneurship Awareness Camp	MCA	90
3	03 & 04-10-2016	Entrepreneurship Awareness Camp	M.Tech	90
4	03 &04 -10-2016	Entrepreneurship Awareness Camp	M.Tech	90
5	05 & 06-10-2016	Entrepreneurship Awareness Camp	Eicher- Volvo	60
6	18 & 19 -08-2016	Entrepreneurship Awareness Camp	S1/S2 ME & CE B.Tech	90
7	18 & 19 -08-2016	Entrepreneurship Awareness Camp	S1/S2 ME & CSE B.Tech	90

3. Student Participated Outside College

3.1 IEDC SUMMIT

Sl.No	Name	Email	Contact Number
1	Navin George Mathew	navingeorge2626@gmail.com	8086261877
2	Sooraj Thomas Mathews	sooraj.tmc@gmail.com	9400391823
3	Ajin Omanakuttan	ajin@aptinno.in	8606117823
4	Alen Anil	alenaniljohn@gmail.com	9495772354
5	Jes thomas mathew	jesthomasm@gmail.com	9446291952
6	Nabeel Anwar	nabeel432@gmail.com	8593918656
7	Philson K Philip	philson.k.philip@gmail.com	9497355966
8	Pranoy Dev S	devpranoy@gmail.com	9744585072
9	Nikil Thomas Abraham	nikilthomasabraham@cs.ajce.in	9656093427
10	BERGIN S RUSSEL	berginsrussel@gmail.com	9495911913

3.2 Start Up I3

<u>Sl.No</u>	<u>College</u>	<u>Date</u>	<u>No of Participant</u>
1	Al-Ameen College Of Engineering ,Shornur	19 th ,20 th and 21 st July 2016	5
2	St Joseph College Of Engineering ,Pala	22 nd ,23 rd and 24 th of July 2016	4
3	Vimal Jyothi College of Engineering , Kannur	25 th ,26 th and 27 th July 2016	3
4	MES College Of Engineering , Kuttippuram	28 th ,29 th and 30 th July 2016	3

3.3 Igniting Innovators Summit-2016

- | | |
|-------------------|--------|
| 1. Albin Sunny | S3 ME |
| 2. Errick Johnson | S3 CE |
| 3. Ashiq Mohammed | S3 AUE |
| 4. Alen Babu | S3 ME |
| 5. Philson Philip | S3 CS |
| 6. Arun | S3 ME |

3.4. Social Hacathon Goa

Chippy Johnson	S5 CSE
Amalu	S5 CSE

3.5 Techtop 2016(Sahdrdaya Engineering College)

Six Teams from AJCE

4. Project Funding (External)

Kerala State Council for Science Technology and Environment KSCSTE (Govt. of Kerala) has selected three student projects for funding from AJCE in this year.

1	Tapioca peeling machine	7000	KSCSTE, Govt. of Kerala
2	Multipurpose harveste	7000	KSCSTE, Govt. of Kerala
3	Coconut De-Sheller	7000	KSCSTE, Govt. of Kerala

4.1 Project Funding (Internal)

Innovation Idea Unleashed (I²U)

In order to foster a spirit of innovation and to promote creative R & D activities among our students, the R & D wing of Innovation and Entrepreneurship Development Centre (IEDC) of AJCE “Amal Jyothi Scholars’ Community for Inspiring Innovation (ASCI)” is conducting a contest for innovative project ideas. The contest is similar to the ones held in the past six years and is open to all AJCE students, including M.Tech and MCA students.

This year, 21 projects have been selected for funding. They have received the financial assistance of Rs 15,000/- per project by the college

Sl #	Project	Team	Class
1	Palm Flashlight	Sandra Mariya Thomas Neha Susan Cherian Christy Antony	S4 - MT
2	Eggy (Egg Shell Separator)	Nithin Thomas Irfan K Moidu Jisnu V	S4 - MT
3	Multipurpose Harvester	Anoop Raj Allwin Shaju Alen Mathew Paul	S2 - ME
4	Paddy Packing Machi	Jibin Chacko Thomas	S6-ME
5	Automatic Inclination Adjusting Platform	Abhishek S Abhijith James	S6 -ME
6	Cocograter : An Improved Coconut Grating Machine	Anthea J.M. Fernandez Alex K. Babu	S6 - ME
7	Egg Shell Remover	Bergin S Russel	S2 MTech
8	Development Of Activated Carbon Impregnated Beta Cyclodextrin Polymeric Systems For The Purification Of Water	Josy Johnson, Sajo. T. Joseph Joseph Tom Darwin Lawrence	S4 - CH
9	Removal Of Lead From Water Using Nanocalcium Hydroxy Apatite From Eggshell	Chippy Cherian Sija Jayan	S4 – CH
10	Development Of A Dry Rubber Content (DRC) Testing Unit Employing Transient Hot Wire Techinique	Sumit Infent Thomas	S2 CH- M.Tech .(Nano Tech)
11	Low Cost Mechanical Cruise Control	Aravind.S Idiculla Simon James	S4 AUE
12	Time Table Making Software	Nirmal Adraham Sojan Sunny 11jins Mathew Go12kul Krishnan T R	S1 MCA
13	Gta (Gsm Travel Assistance)	Aby Cherian	S4 - ME

	Ver 1.0	Abhishek Mathew Christy Tom	
14	Waker	Ebin Joseph Ebin Joseph Ashlin Varghese Akhil Joseph Dious	S6 EEE
15	Gas Leakage Alert And Cut Off System For Home/ Industries	Liya George Parvathy Jagadeesh Jeena M. Zacharias	S2 ECE
16	Coconut Pest Detector	Christy Susan Thomas Anitha Antony Ann Mary Peter Christy Maria George	S6 ECE
17	Aquomniscient	Sreyas Dileep Ajoy K Abraham Renuka P. Diya Achu Pradeep	S2 ECE
18	Easy Tea Leaf Harvesting Machine	Ananthakrishnan U Antony Anto Alex Athul S. Aswin E	S4 ECE
19	Keyboard For Differntly Abled	M. Geo James Subin Suresh Nikil Thomas Abraham	S2 CSE
20	Clearmyroute (Traffic Diversion Application For Emergency Vehicles And VVIP Vehicle)	Abin James Anand K A Angel Rose Alan Lal	S4 CSE
21	I-Trolley	Nithin N.J. S Sreejith Sarah S Raj Vineeth Abraham Shaji	S6 CSE

5 Meet the CEO

Seven students from Amal Jyothi College of Engineering has an Interaction with CEO of Profoundis Labs Pvt. Ltd

6. Exhibitions Participated

Sl.No	Program	School/ College
1	Technical Exhibition for School Students	St Sebastian Public School Exhibition Stall Expense
2	Technical Exhibition for School Students	Citadel Residential School

7. External Program (Attended as resource person)

Sl #	Topic	Handled by	College
1	Importance of Research & Entrepreneurship (Teachers)	Prof. Sherin Sam Jose	Sahrdaya College of Engineering and Technology
2	Importance of Research & Entrepreneurship (Teachers)	Prof. Sherin Sam Jose	Muthoot Institute of Technology & Science
3	Importance of Research & Entrepreneurship (Teachers)	Prof. Sherin Sam Jose	Heera College of Engineering & Technology
4	Importance of Research & Entrepreneurship (Teachers)	Prof. Sherin Sam Jose	College of Engineering Vadakara
5	Importance of Research & Entrepreneurship (Teachers)	Prof. Sherin Sam Jose	Polytechnic College (Wayanad)
6	"How to develop an innovative project"	Abi Varghese	College of Engineering Vadakara
7	"How to develop an innovative project"	Abi Varghese	Believers Church Caarmel Engineering College,
8	Startup initiatives- make it happen	Mr. Jishnu R.	College of Engineering Vadakara
9	Startup initiatives- make it happen	Mr. Jishnu R.	Believers Church Caarmel Engineering College,
10	Startup initiatives- make it happen	Mr. Jishnu R.	college of engineering aranmula
11	Importance of Research & Entrepreneurship (Teachers)	Prof. Sherin Sam Jose	Rajagiri School of Engineering and Technology Kakkanad
12	Project development	Prof. Sherin Sam Jose	Kalasalingam University, Srivilliputhur
13	Project development	Prof. Sherin Sam Jose	JPM college, Kattapanai

8. Mastermind-2017

It is a project contest conducted by the Top Malayalam news daily, 'Malayala Manorama', in association with IEDC of Amal Jyothi. Activities of Season-7 have already started. It has received more than 1000 proposals from students of different institutions in Kerala. Out of them, fifty projects are shortlisted (25 from schools & 25 from colleges) for the final round & exhibition. Funds (maximum of Rs 10,000/- for each college-level and Rs 7,500/- for school-level projects) are sanctioned for project development. Final event will be held in Jan/Feb 2017

9. Technotica - State Level Technical Project Competition

Organized by Startups Valley - TBI in Amal Jyothi College of Engineering, in association with National Institute for Development of Youth (NIDY) & ISTE Kerala Section. It's a state level software project contest for BCA and B.Sc. Computer Science and IT students. The main aim is to equip the students with entrepreneurial skill sets which can lead to a socially relevant sustainable software product.

10. TBI Incubating Companies from AJCE students/alumni

- Mad Labs - Mr Ajo John Mathai, Data transfer
- Aptino Technologies- Ajin Omanakuttan, Latex carry bag
- High Tech Agro- Chacko V Thomas, Home based farming
- Green life engineering solutions- Faizal Majeed, Mud housing
- Splash secure- Nithin Thomas, Internet security
- Infinitloop- Akshay, Virtual reality

11. Faculty Development programme

Two weeks faculty development programme is conducting at Amal Jyothi from 12/12/16. Thirty teachers from different colleges are participating in this programme.

12. Cluster meeting

Organized a orientation programme for KTU Custer 5 students, programme was named as INNOMEET 2016.

13. Media Coverage

1. *Kudumbam* magazine featured AJCE on its cover



കെട്ടിടപരിഷോധന ടീമുടെ
പ്രാഥിനികൾക്കും കാമ്പർ സ്റ്റുഡന്റ്
കമ്മിറ്റിയുടെ ഫീൽഡ് ടീമുടെ
കേരളത്തിന് പത്രപ്രസിദ്ധീകരണം
കേരള പ്രസിദ്ധീകരിക്കുന്ന യാജ

രംഗത്തിൽ വരുന്ന ഒരു സ്കൂളിലെ



പിന്നീടിൽ ചെറു കുടുംബക്കൂടം കൂടുതലും

ശാഖകൾ ഉണ്ടാക്കുന്നതും വിജയിച്ചു.

കൊന്ദമ്പുരം മുൻപുരം അന്തിമംഗളം കൂടുതലും

ശാഖകൾ

ആപിളിന്റെ പുട്ടും പൊട്ടിച്ച് മേരന്ത്

ମେଘାର୍ଥୀସ୍ 10.1ରେ ଶୁଣୁଟରମ୍ବାସ ସ୍କ୍ରିପ୍ଟର୍କୁ କଣେତାତି ହାଲୁ ସ୍ଵର୍ଗେ



3. Mr. Hemanth Joseph (S7 ME A) for having secured \$7500 prizes from Google

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