

Innovation Entrepreneurship Development Centre (IEDC)

Amal Jyothi College of Engineering

Kanjirappally, Kottayam, Kerala

BRIEF ACTIVITY REPORT April 2010-11

Yuva Mastermind-11

IEDC has been the technical partner with Malayala Manorama in the conduct of “Yuva Mastermind” – a state wide project contest held at both school and college levels. 37 projects selected from over 600 proposals received were funded for implementation by Manorama. The final exhibition of the projects was held on 18th February 2011 and the award ceremony on 19th February at the college. Dr. A.P.J. Abdul Kalam, former President of India gave away the prizes and interacted with the students. Mastermind is slated to become an annual event.

Amal Jyothi Scholars Clubs for Inspiring Innovations (ASCII)

IEDC has spearheaded “Amal Jyothi Scholars Clubs for Inspiring Innovations (ASCII)” – a group of 40 technical and general clubs to enable our students to pick up skills beyond the university curriculum. Each student is a member of one of these clubs and the 4th hour of each Wednesday is allocated for club activity in the academic time table. Best club awards are given by IEDC to two of the best technical clubs as well as the best general club annually.

Projects Developed through IEDC funding support in 2010-11

1. Cocobot: A coconut plucking robot
2. Mercury pendulum : A wave power plant
3. Low cost air-conditioning system
4. Pepper separator
5. Intelligent automated fan

MICRO TePP PROGRAMME

As a result of IEDC initiatives, thirty nine innovative student projects were submitted to the TePP Outreach Centre, Technopark TBI, Trivandrum for micro TePP funding. Out of these, the following student projects successfully completed review and evaluation by TePP Monitoring Committee (TMC) held on Monday, June 27, 2011. The innovation content, financial feasibility, commercial viability and scalability of the project proposals were the key criteria for this evaluation.

1. COCOBOT -Innovator - Jijo Paul (S7 EEE)
2. Intelligent Automated Fan – Innovator - Justin Mathew Thomas (S7 EEE)
3. Anti-Sleep Driver Alert Sensor (ASDAS) – Innovator - Mobin Daniel Varghese (S3 ME)
4. Three way un-loader for Tipper - Innovator - Richu Gevarghese Samuel (S7 ME)

5. Air Bag Safety System –I innovator - Cyril Joseph (S7 ME)
6. Roll-Back Preventing System for Automobiles - Innovator - Justin James (S5 AUE)

PATENTS APPLICATIONS

The innovative technology (Low cost Pepper separator) developed by our students has successfully completed the patent search and filed for patent through TIFAC, DST, Govt. of India.

Following projects have been submitted for patenting through the Patent Information Centre of the Kerala State Council for Science Technology and Environment (KSCSTE), Trivandrum.

SI #	Title	Name Students	File no
1	COCOBOT	Mr. JIJO PAUL Mr. STEPHEN GEORGE	No.028/PF-PIC/2011/KSCST E Dated: July 04,2011
2	INTELLIGENT AUTOMATED FAN	Mr. JUSTIN MATHEW THOMAS Mr. SAM VARUGHESE JOSEPH	
3	LOW COST PEPPER SEPARATOR	Mr. M S STEVE Mr. ARUN THOMAS Mr. SHA P ISMAIL Mr. JISHNU R Mr. BRONIN CYRIAC Mr BALACHANDRAN K	No.012/PF-PIC/2011/KSCST E Dated: July 04,2011
4	VERSATILE INTERMEDIATE DIAGNOSTIC AND CONSULTANCY SYSTEM(VIDCO S)	Mr. JOSEKUTTY ABRAHAM Mr. KARTHIK MURALEEDHARAN	No.026/PF-PIC/2011/KSCST E Dated: July 04,2011

		<p>Mr. JIJO KUTHVALACHEL JOSE</p> <p>Mr. SARAN SOMAN NAIR</p> <p>MR. SEBIN JOSE</p> <p>Prof. MANOJ T JOY</p>	
5	HYBRID DRIVER SEAT	<p>Mr. ALBIN K JOHNY</p> <p>Mr. ALBIN MICHEAL</p> <p>Mr. ARUN JOSEPH</p> <p>Mr. EBER BEN THOMAS</p> <p>Mr. VISHAL THOMAS</p> <p>Prof. ARAKAL JOSE MATHEW</p>	<p>No.026/PF- PIC/2011/KSCST E Dated: July 04,2011</p>
6	E- DIAGNOSER	<p>Mr. ADERSH S</p> <p>Mr. LIBIN VARGHESE</p> <p>Mr. ANOOP P</p> <p>Ms. CHITHIRA J VADAKKAN</p> <p>Ms. NITHYA MERIN JACOB</p> <p>Ms. ANJU ELIAS</p>	<p>No.030/PF- PIC/2011/KSCST E Dated: July 04,2011</p>
7	DIRECT GENERATION OF DC POWER WITHOUT COMMUTATION	<p>Mr. CHRISTOPHER SHINE VARGHESE</p> <p>Mr. DEEPU KURIAN</p> <p>Mr. VIVEK VARGHESE THOMAS</p> <p>Mr. DONY BABY</p>	<p>No.027/PF- PIC/2011/KSCST E Dated: July 04,2011</p>

		Prof. SABIN SIMON	
8	TEMPLE SECURITY SYSTEM	Mr. ADARSH S Mr. LIBIN VARGHESE Mr. Romison	

NATIONAL ADVISORY BOARD MEETING OF NSTEDB

IEDC, Amal Jyothi hosted the prestigious National Advisory board meeting of NSTEDB, DST, Govt. of India on *Entrepreneurship in education* on 4th & 5th of February 2011. Prof. N.R. Shetty, President, ISTE, Mr. Sujit Banerjee, NSTEB, New Delhi, Dr. Rajendra Jagdale, Director General of Science and Technology Park, Pune and around 45 representatives from all over India participated in this programme.



In the photo from the left side

Dr. Rajendra P. Jagdale is Director General of Science and Technology Park, Pune and member, National Advisory Committee on Entrepreneurship Development Cell, Dept. of Science & Technology, Government of India, New Delhi.

Mr. Sujit Banerjee, Director/Scientist- F National Science & Technology Entrepreneurship Development Board, Dept. of Science & Technology, Government of India, New Delhi.

Prof. N.R. Shetty, President, ISTE and Chairman, National Advisory Committee on Entrepreneurship Development Cell, Dept. of Science & Technology, Government of India, New Delhi.

Rev. Dr. Jose Kannampuzha, Principal, Amal Jyothi College of Engineering.

Principal's meeting

To promote Entrepreneurship Development concept in Kerala, IEDC organised a principals meeting for science and technology colleges, on 2nd February 2011 at our college in association with NSTEDB, New Delhi and Techno Park, Trivandrum. Around twenty representatives from different colleges attended this programme.

Project demonstration

All five IEDC supported projects during the year 2009-10 were successfully completed and demonstrated before the invited guests on 2nd February 2011. They included representatives from NSTEDB, Technopark, Trivandrum, technologists from various colleges and the press.

Innovation promotional programmes

To promote innovation among the school students, IEDC participated in a project demonstration at St. Antony's Public School, Kanjirappally during 7th October to 9th October 2010.

Innovation Hub at Infocom

It is a national level project contest jointly organized by Telegraph newspaper and National Council of Science Museums during 17th to 20th February, 2011 at salt Lake Stadium, Kolkata.

A total of 30 projects were selected from all over the country for this programme out of which five were from Amal Jyothi and four of these were projects developed through IEDC support. One of these, Cocobot- A robot to pluck coconuts- has won second prize in this competition. The five projects exhibited were:

1. Mercury pendulum
2. Intelligent automated fan
3. Cocobot
4. Low cost air conditioner
5. Temple security system

Development of Coconut Harvesting Machine

Government of Kerala had announced a state-wide competition for developing equipment which can replace human effort (risk factor) for climbing the coconut trees, through Directorate of Industries and Commerce. Out of the eight proposals selected for funding, two were from AMAL JYOTHI COLLEGE OF ENGINEERING and developed by

1. Mr. Zakariahs Mathew, Chief Technology Officer
2. Mr. John Jose Pattery, Final Year Mechanical Engg. student.

They have received a financial assistance of Rs. One lakh each.

Even in a state level competition which involved a lot of professionals and scientists, we were able to get 25% of the total selected projects. We feel that this feat is the outcome of the efforts put in by the IEDC team of Amal Jyothi College of Engineering.

Techtop-11

It is a national level innovative project contest organized by Technopark, Trivandrum. Nineteen projects were selected to the final round from all-over India. Out of this, three were from AMAL JYOTH and two of these were developed through the IEDC scheme. Those are COCOBOT & LOW COST PEPPER SEPARATOR. First prize of this competition was Rs. One Lakh. Low cost pepper separator has won this prize. Another one project from the college, called Helioped has got a special prize of Rs. Twenty Thousand.