

INNOVATION ENTREPRENEURSHIP DEVELOPMENT CENTRE (IEDC)

AMAL JYOTHI COLLEGE OF ENGINEERING, KANJIRAPPALLY.

DETAILS OF SOME OF THE ACTIVITIES DURING THE YEAR (2011-12)

1. Faculty Development programme.

IEDC of Amaljyothi College Of Engineering conducted a 2 weeks FDP on 'Entrepreneurship' under the sponsorship of NSTDEB , Govt: Of India from 14 - 26 Nov -11. This is a new initiative from any of the Engineering colleges in Kerala on 'Entrepreneurship' .Faculties from various engineering colleges and industry participated in the programme. Proposed space tourist and industrialist Mr:Santhosh George Kulangara inaugurated the programme and eminent resource persons from industry, banking ,stress management trainers etc handled the sessions. As per the feedback, the programme really motivated the participants. Prof.K Vijayan , Prof.Sherin Sam Jose , Mr.B Vipin , Mr. Ajosh Abraham and Mr. Jose Antony were the persons behind this programme

2. Entrepreneurship Awareness Camp

With an aim of creating awareness among students about various facets of entrepreneurship we have organized the entrepreneurship awareness camp in our campus from 18th to 20th of November 2011. This programme was sponsored by Department of Science and Technology, Govt. of India through NIMAT projects 2011-12. This programme was mainly concentrated to the first year students to inspire the innovativeness and entrepreneurial mind of them right from the beginning. Prof. Shiju Gerge was the coordinator of this programme.

3. Seminar on IPR

We have organised one day technical seminar on "Role of Intellectual Property Rights on Education". The program was sponsored by Kerala State Council for Science Technology and Environment, Trivandrum, Govt of Kerala and was conducted on 19th August 2011 at St.Alphonsa Hall of AJCE. Prominent resource persons took sessions related to patenting and Intellectual property rights. Students got awareness on patenting and Intellectual Property Rights. This program was co-ordinated by Prof. Anoop C V, (Automobile Engineering- Department) and Prof. Amal S Siju (Mechanical Engineering Department).

4. 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. (News paper cutting is attached herewith)

Amal Jyothi College Emerges Winner at Tech Top

T'Puram: Amal Jyothi College of Engineering, Kanjirappally, has bagged the first prize comprising of Degree C Award of ₹ one lakh for its project - 'Low-cost pepper separator' at Tech Top-2011 that was held at Technopark.

The second prize comprising of ₹ 50,000 sponsored by Intel has been won by MSS's CET, Jalna, Maharashtra for the project 'Seeding machine' and the third prize of ₹ 30,000 sponsored by Kerala State Council for Science, Technology and Environment (KSCSTE) has been given to Rajiv Gandhi Institute of Technology, Kottayam, for its project 'Density and priority-based traffic control system using



Amal Jyothi College of Engineering, Kanjirappally, receiving the first prize | Express

computer vision in arm processor.'

This year, three consolation prizes of ₹ 20,000 each were given to St Joseph's College of Engineering, Jepiari Nagar, Tamil Nadu, for its 'Turbo-charger in petrol engine', Amal Jyothi College

of Engineering for their 'Helioled project' and Sahridaya College of Engineering and Technology for its 'Multifunctional bedcare unit for bed sore patients.'

The consolation prizes were sponsored by Intel, PTC and KSCSTE.

5. Techtop- 12

This is the sixth edition of Techttop. This year they have received a total of 136 innovative idea proposals from all over India. Out this 39 proposals are from Amal Jyothi. They have short listed 53 proposals out of this 14 are from AJCE.

6. Technology based Entrepreneurship Development Programme.

This year we have organized two Technology Based Entrepreneurship Development Programs (TEDP) sponsored by Department of Science and Technology (DST) through NIMAT PROJECT- 12, Govt of India, from Dec- 11 to Jan - 12.

- ✓ Civil Modelling and Animation Through software practice (Auto CAD, REVIT, 3DSMAX)
- ✓ Product Modelling Through software practice (Auto CAD, CATIA, ANSYS & Rapid prototyping)

A screening test was done for shortlist the applicants, 25 students each, from both the streams were selected for this program.

Program was inaugurated by Mr. ISAC JOSEPH, Managing Director of Lunar Rubbers Pvt Ltd, Thodupuzha.

This particular study package has been designed to provide an opportunity to those people who are imaginative, resourceful and innovative, people having such qualities sometimes do not know how

to use their qualities to excel in service. Undertaking such study programs will provide the ways and means using which they can cash their skills.

7. MICRO TePP PROGRAMME

As a result of our research initiatives, the following student projects were successfully completed their review and evaluation by TePP Monitoring Committee (TMC) Meeting of Technopark TePP Outreach Centre, which was 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.

- COCOBOT by the innovator - Mr. Jijo Paul (S7 EEE)
- Intelligent Automated Fan by the innovator- Mr. Justin Mathew Thomas(S7 EEE)
- Anti-Sleep Driver Alert Sensor (ASDAS) by the innovator- Mr. Mobin Daniel Varghese (S3 ME)
- Three way un-loader for Tipper by the innovator - Mr. Richu Ghevarghese Samuel (S7 ME)
- Air Bag Safety System by the innovator- Mr. Cyril Joseph (S7 ME)
- Roll-Back Preventing System for Automobiles by the innovator - Mr. Justin James(S5 AUE)

8. Innovation promotional programmes

To promote innovation among the society and students, IEDC has participated in a project demonstration programmes at the following stations.

- St. Berchmans College, Changanassery on 14th to 19th Nov- 12
- Science Expo as part of 24th Kerala Science Congress from 28-31 Jan- 12
(organized by
 - Kerala State Council of Science Technology & Environment, Trivandrum.
- St. Thomas School, Attakulam, Kumly on 28, 29-Sept- 11
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9. Projects Developing through IEDC funding support in 2011-12

- 1 E- Diagnoser
- 2 Anti sleeping Driver alert sensor
- 3 Bomb Disarming Robot
- 4 Web Doctor
- 5 Hybrid Driver Seat

6 Yuva Mastermind-12

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. 46 projects selected from over 600 proposals received were funded for implementation by Manorama. The final exhibition of the projects was held on 7th February 2012 and the

award ceremony on 8th February at the college. Mr. N R Narayana Murthy, Chief Mentor, Infosys Technologies gave away the prizes and interacted with the students. Mastermind is slated to become an annual event.

- 23 Teams at college level and 23 Teams at school level from all over Kerala have participated.
- Evaluation of projects have been done by an expert team containing professors from IITs, IISc and similar institutions.

7 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.

8 One day workshop on two wheeler repair and service

In association with **Royal Enfield, Chennai**, we have organized a workshop on two wheeler repair and service on 24th of January 2012 at our college. Around 200 students has participated in this programme. Mr. Ganapathi from Royal Enfield, Chennai has led the class. This programme consist of a brief details about their company, R&D opportunities & Entrepreneurship opportunities in association with them (like starting of service centre etc).