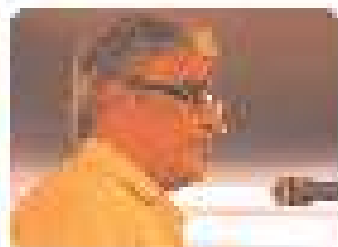




Master Mind 2012



amalites  
DigEST

Bi-yearly Newsletter

August 2012

Volume 12



Amal Jyothi College of Engineering  
Kanjirappally, Kerala

## Mantras to win the world...

"The world is not ripe for ideas. Just think that you missed the prize this time because of this reason". There was wide applause as Infosys Chairman Emeritus N.R. Narayana Murthy uttered these words at the valedictory function of Malayala Manorama Yuva Mastermind at Amal Jyothi College of Engineering Kanjirappally.

Narayana Murthy also shared four mantras while interacting with student prodigies. Mantras that would help create miracles out of ideas:

1) Inventions are not enough. One should also strive to take them to the world. If you have an idea think how strong it is and what changes can it bring about. You should be able to convey the idea to others in the simplest of the words. The rest will follow. Once an idea takes germ think how cost effective, faster and better is it when compared to existing methods. During the brainstorming sessions in Infosys fine ideas have been formed out just one word.

2) No matter how excellent the idea is, unless the market accepts it, the product may be of no use. For that one should have sound knowledge about

the market. The market is the best platform to test the value of an idea.

3) In order to transform ideas into fine products you need to have a group with domain expertise in different subjects, with the power to think differently. Every one should be able to come up with fine ideas. They should also be able to work as a team. If there is difference of opinion care should be taken for truthful exchange of information. If this fails to create a consensus the group leader should intervene to solve these issues. People who respect values and willing to learn new things everyday - these elements are always considered when Infosys recruits.

4) You must be ready for sacrificing something today for a better tomorrow. Setbacks like economic downturn can happen anytime. Bad times should be seen as an opportunity to take your colleagues and customers with you, search for new ideas and thus better your image.



## Performing States will be rewarded: Khursheed

"The 12<sup>th</sup> Five-year Plan has been designed in such a manner that States and districts that have contributed significantly to the progress of the nation will be encouraged", said Union Minister for Law and Minority Affairs, Salman Khursheed.

He clarified that the areas that have not been receiving Central assistance, despite having performed well in development and education, will be supported through numerous programmes included in the 12<sup>th</sup> Plan. Mr. Khursheed was inaugurating the first phase of the International Convention Centre at Amal Jyothi on 17<sup>th</sup> April. He also declared open the 500-metre Skywalk that connects the College with the hostels located on an adjacent hillock.

Mar Mathew Arackal, Bishop of Kanjirappally and Patron of the College, presided. Sri. P. J. Kurian and Sri. Anto Antony MPs, Dr. N. Jayaraj MLA, Rev. Fr. Varghese Parintherickal, Manager, Rev. Dr. Jose Kannampuzha, Principal, also spoke.



Union Minister Salman Khursheed inaugurating the Skywalk

Master Mind 2012

"Pursue ideas steadily and grab success"



exhorted Dr. N.R. Narayana Murthy, Chairman Emeritus of Infosys Technologies Ltd, to engage students. He was delivering the keynote address of the Malayala Manorama Yuva Master Mind, an all-Kerala engineering project contest for schools and colleges, with Amal Jyothi as the technical partner. Mar Mathew Arackal, presided. Sri Jacob Mathew, Executive Editor, Sri. Mathews Varghese, Associate Editor, Manorama, Sri. S. Vijayaraghavan, Founder-CEO of Technopark and President of the Judging Panel and Rev. Dr. Jose Kannampuzha, Principal, spoke on the occasion.



A contest for innovative projects by college and school students in Kerala organised by Malayala Manorama Yuva

Technical Partner - Amal Jyothi College of Engineering, Kanjirappally

### OBJECTIVES

Objectives of Yuva Mastermind 2013

To ignite the flame of innovation in science and technology in young minds.  
To sustain that flame through technical and financial support in a spirit of healthy competition.  
To provide a common platform for bringing together creative young minds across the state.  
To promote sustainable societal development through innovation in clean and green technologies.

HELPLINE:- Doubts, get in touch us on 9895596688

## Be Adaptable to change – Sekhar Viswanathan

Sekhar Viswanathan, Vice President of Vellore Institute of Technology, Chennai, exhorted the youth to create change in their lives since adaptability to change is the need of the hour. He was delivering the Graduation Address-2012 at AJCE. Flexibility and adaptability are complementary factors that go into the making of strong foundations of a great society. Youth should be vigilant against graft and nepotism and strive for a corruption-free nation. Quoting John F. Kennedy, Sekhar Viswanathan reminded the engineering grandaunts that they should ask themselves what they have contributed and will contribute to the nation in the days ahead.

Dr. Rajan Varughese, Pro Vice-Chancellor, Mahatma Gandhi University, presided. Fr. Varghese Parinthricksal, Fr. Dr. Jose Kannampuzha, Prof. V. I. Cherian, Prof. Tomy Joseph, Dr. James Jacob, Deans, and Richu Geevarghese Samuel, who was selected as the 'Gem of Amal Jyothi,' spoke on the occasion.



**Sekhar Viswanathan, Vice President of  
VIT, Chennai, Inaugurating the Graduation Day.**



Union Minister Sri.K.C.Venugopal inaugurating the 125<sup>th</sup> Annual Celebration of the Deepika Daily at Amal Jyothi College of Engineering.

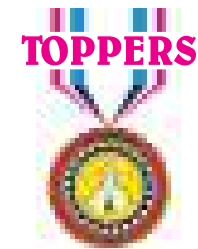
## IEDC Visit to EDII, Ahmedabad

An expert team from Amal Jyothi comprising Prof. Sherin Sam Jose, Prof. Jose Antony and Prof. S. Arun visited EDII (Entrepreneurship Development Institute of India) Ahmedabad, on 16<sup>th</sup> March and met Prof. Sunil Shukla and Prof. Prakash Solanki, as the part of technical screening of TBI (Technology Business Incubators). Dr. Sunil Shukla, a former member of Advisory Board, (NSTEDB), New Delhi, and Prof. Prakash Solanki are the in-charge of NIMAT projects.

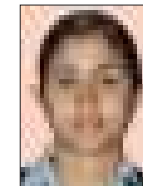
The team discussed the enhancement of entrepreneurship activities at AJCE, the possibilities to get international exposure to our students, the launch of a TBI, conducting Faculty Development programmes, student training programmes like EAC (Entrepreneurship Awareness Camp) and TEDP (Technology-based Entrepreneurship Development Programme).

## Leaders in Education:- India Today....

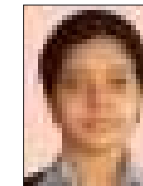
“Making significant  
contribution to individual and  
societal empowerment”



**RICHU GEEVARGHESE  
GEM OF AJCE**



**ASHA MATHAI  
ECE - S7**



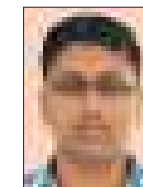
**MARIA TERESE GRACIAN  
ECE - S5**



**ANJANA JOHN  
ECE - S3**



**ADARSHA MIRIAM ABRAHAM  
EEE - S7**



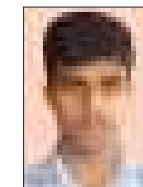
**SARESH PILLAI  
EEE - S5**



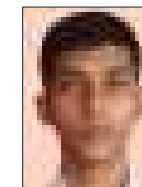
**ASHA MARY RAJU  
EEE - S3**



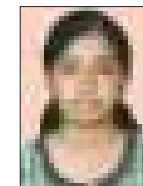
**APARNA BEN  
CE - S7**



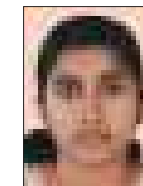
**CHRISTI JOSE  
CE - S5**



**SOBIN MATHEW  
CE - S3**



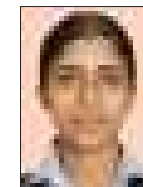
**TINA MARIA THOMAS  
CSE - S7**



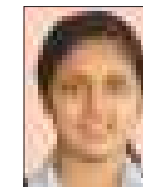
**HIMA ANNS ROY  
CSE - S5**



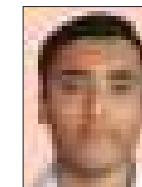
**ANN MARIA THOMAS  
CSE - S3**



**MARIA CLARE JAMES  
IT - S7**



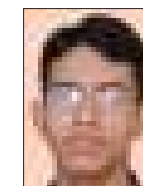
**JOAN MARIAM TOMS  
IT - S5**



**JOSWIN THOMAS JOHN  
IT - S3**



**RICHU GEEVARGHESE  
SAMUEL ME - S7**



**JUSTUS DANIEL P  
AUE - S3**



**TISSON GEORGE MICHAEL  
AUE - S5**

## Sports



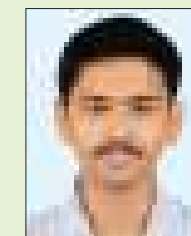
**'BASKETBALL CHAMPIONS IN' PACE 2012**



**VOLLEYBALL CHAMPIONS IN 'PACE 2012'**



**OVERALL CHAMPIONS IN 'PACE 2012' Organized by SJCE, PALA**



*Congratulations..*

Sarath V Joy (S1S2ME) represented MG University in the All India Inter University Championship and won Silver medal in the south Zone inter University Table Tennis Championship.

## ACHIEVEMENTS IN SPORTS 2012

MGUniversityBadminton-RunnersUp  
MGUniversityChess-RunnersUp  
MGUniversityTableTennis-RunnersUp  
CricketChampionsin'PACE2012'

TabletennisChampionsin'PACE2012'  
BadmintonChampionsin'PACE2012'  
BasketBallRunnersup in'ARENA2012'  
VolleyballRunnersupin'AZURE2012'



Inauguration of **ARENA - '12**:- Dr George Mathen  
(Former National Volleyball player and  
1st Prize winner in minority university sports festival)



**ARENA**

*Arts Day*



**Joi D Vivre**



## Sky Walk at Amal Jyothi



## AZURE - '12



Azure 2012 Inaugurated by Sri. Shibu Baby John Minister for Labour and Rehabilitation, Rev. Fr. Varghe Parunthirickal, Rev. Dr. Jose Kannampuzha, Music Director Sri. Sarath, PTA President Mr. Jacob Job.



A mechanical engineer by education and trade union leader by vocation, Shibu Baby John, Minister for Labour and Rehabilitation inaugurated Azure'12, on 26<sup>th</sup> Jan. Music Director Shri.Sarath inaugurated the cultural fest, Rev. Fr. Vaghese Parunthirickal, Rev. Dr. Jose Kannampuzha, Prof. Tomy Joseph, General Convener, Shijas A Varikattu, and President Sinomon spoke. Azure is a 3-day national level techno-cultural-management fest hosted annually by AJCE.

The fest comprises 50 events worth a total cash prize of Rs. 5,00,000. Azure2012 presented various events all in the same venue. We had workshops on ethical hacking by Tech Defense in collaboration with IIT, Mumbai and on robotics by Thinklab. There were also exhibitions by KSEB, Apple computers along with an Auto Expo on modified cars.

## ISBA ANNUAL MEET AT PUNE

A panel of experts - Prof. Sherin Sam Jose , Prof. Jose Antony and Prof. S. Arun headed by Rev. Dr. Jose Kannampuzha, Principal, attended the Sixth Annual Meet of ISBA (Indian STEP and Business Incubator Association) at Mariott Hotel and Convention Centre, Pune, and interacted with Mr. T. Ramaswamy , Secretary, Department of Science & Technology and Mr.H.K. Mittal, Head of NSTEDB, about the status of TIFAC CORE, the activities undertaken by IEDC at Amal Jyothi and the possibility of getting a TBI. The panel also met a few Incubation Managers. During the meet, Amal Jyothi got institutional membership in ISBA. A stall highlighting the activities of IEDC in Amal Jyothi and the keen interest shown by the Principal in entrepreneurship development activities triggered a positive attitude towards the College.



CSE dept. was credited for the live telecasting of the "ABHISHEKAGNI" a mega retreat which was conducted at the Cathedral Church, Kanjirappally, by ATTAPPADI Sehiyon Team

## Ekalavya@IIT Bombay

- 1 CSE dept. organized a two-week ISTE workshop, on " Research Methodologies" in June , Ekalavya@IIT Bombay', under National Mission on Education through ICT (MHRD, Govt. of India). Mr.V. Jayakrishna was the Coordinator.
- 2 Dept of ME organized a two-week ISTE workshop on Computational Fluid Dynamics for teachers of engineering and science 'Ekalavya@IIT, Bombay from 12th to 22nd June. Mr.Ashok Chitharenjan and Mr. Syam Gopi were the Coordinators
- 3 Faculties of the CSE participated in two-day ISTE workshop on "Writing Effective Conference Papers" conducted by IIT-Bombay - 18<sup>th</sup> and 19<sup>th</sup> February 2012.
- 4 Ms. Tessy Annie Varghese AP,ECE won the Certificate of Excellence among the top 100 participants of the IIT Ekalavya workshop on Solar Photovoltaics held in Dec 2011.

## SUBMISSION OF INDO-GERMAN AND INDO U.K PROPOSALS

Submitted a proposal under DST-DAAD ( German ) between AJCE ( Dr.Soney C George as the PI) and Prof. Dr. Prof. Manfred Stamm Physikische Chemie und Physik der Polymere Leibniz-Institut fuer Polymerforschung Dresden, Germany

Submitted a proposal under Indo -UK ( DST- Royal Society of London) scheme for organizing a joint seminar on nanocomposites.

### Research Grants Awarded

A project proposal "Development of polyvinyl alcohol membranes for the pervaporation separation of liquid mixtures" was sanctioned by KSCSTE, under Engineering and technology section Amount - 13.20 lakh

A research proposal on Development of Conductive Chloroprene Nanocomposites is approved by the Dept. of Science and Technology, New Delhi

Dr.Soney C George is guiding two M Sc projects of St.Dominic's College, Kanjirappally, on the topic Development of Elastomeric Nanocomposites.

Dr. Jippu Jacob, Professor & Head (ME), attended on 28.3.2012 a meeting of the Technical Committee of (KSCSTE), Trivandrum, as its Member. The Committee recommended the granting of approval to new projects, and reviewed the status of ongoing projects.

Dr. Jippu Jacob, along with Fr. Principal, and Prof. Sherin Sam Jose, Asst. Professor, Dept. of AUE, attended on 01.5.2012 a meeting on TIFAC-CORE at Vishwakarma Bhavan, (TIFAC), New Delhi.

Dr.Soney C George(DBS) reviewed the following research articles of various international Journals

1.Migration of phthalate and non-phthalate plasticizers out of plasticized PVC films into air. (Journal of Applied Polymer Science) Manuscript I.D:APP-2012-04-1195

2. Biofiber Reinforced Thermoset Polymers) for a book on Biocomposites published by John Wiley

Mr. Jose Antony and Mr Sree Ram H. attended a short-term training programme on "Recent Advances in fatigue and fracture" organized by Govt. Engg. College, Thiruvananthapuram, 2-7 July.

Arjun K. R. Presented a paper on " Comparative analysis of Product configuration optimization using Multi Objective Genetic Algorithm (MOGA) at International Conference on Mechanical Engg Technology (iCoMET'12) on 21st Jan at SJCET, Pala

Roshan Kuruvila Presented a paper on " Human Error in Maintenance" at National Conference on Modern trends in Mechanical Engg (MITME '12)at SNGCE,Kadayiruppu, on 15th June.

Rev Dr. Biju John of CSE dept. led a seminar on" Cloud Computing and research areas " for S2 M.Tech CSE students. Fr. Rubin Thottupuram and Mr. Punnose of CSE dept., took different sessions on "Ontology and Semantic Web"& " Neural Networks" in an STTP organized by the ECE dept.

Fr. Rubin Thottupuram (AP, CSE) conducted a Pacom seminar for priests.

14 students from 2008-2012 CSE batch have qualified the GATE 2012 with a valid score.

The paper titled "SMS based E-Assessments enabling better Student Engagement, Evaluation and Recommendation Services in E-Learning making use of Fuzzy Rules and Course Ontologies has been listed in the IEEE conference conducted by IIIT-Hyderabad(T4E 2012) Authors: Fr. Rubin Thottupuram; Prof. Manoj T Joy; Prof. Sandhya Ramakrishnan, Mr. Joms Antony (PG scholar)

The paper : "Semantic Web based Adaptive E-Learning triggered through Short Message Services" has been accepted for presentation at 7th International Conference on Computer Science & Education (ICCSE 2012), in July 14-17, 2012, Melbourne, Australia. Authors are Ms. Shiney Thomas, and

## Hearty Welcome to



Dr. K. Karunakaran Nair

Dr. Nair has an illustrious career spanning over 31 years of which the major part was at PG level. He has published 9 research papers presented at International and National venues. He offered his services to Calicut University and MES College..... prior to joining Amal Jyothi.



Dept of ECE hosted SDP on "Design of Intelligent Systems" - 3<sup>rd</sup> to 16<sup>th</sup> May. It was sponsored by AICTE. 50 faculties from various colleges in South India attended. Dr. James Jacob, was the Convenor and Mr. Geevarghese Titus the Coordinator.



CSE dept. organized a two-day Latex (document typesetting tool) workshop in association with SPACE Trivandrum. Mr. Ganesh (SPACE Trivandrum) , Ms. Shiney Thomas (AP, CSE)and Mr.Joms Antony (CS PG Scholar) were the resource persons. Mr.Juby Mathew and Ms. Sumy Joseph were the Coordinators.

Fr. Rubin Thottupuram, and Mr. Joms Antony.

Ms. Shiney Thomas, AP CSE published a paper on " A secure multifactor authentication using graphical password" in NCET, Archana College of Engineering, Palghat.

Mr. Manoj T Joy,HOD,& Ms. Shiney Thomas, published a paper on "Multifactor Authentication for network security use image based password" in ICETT at MBC, Kollam.

Mr. G. S. Santhoshkumar , AP, CSE attended a day workshop for the implementation of National Vocational Education Qualification framework in Kerala, CET, Trivandrum and one-day workshop NPTEL at IIITMK,Technopark

Ms. Bindu S Mony AP, CSE presented a paper"Quadratic Classifiers and Gradient Features for Handwritten Malayalam Character Recognition", in the National Seminar on Stochastic Modeling -NSSM 2012, organized by Dept. of Statistical Sciences, Kannur University, March 21 - 22.

Mr. Manoj T Joy,& Mr. Santhoshkumar attended a National level FDP on "network simulators for research issues in wireless", BIT,Sathyamangalam 27/02/2012 to 04/03/2012

Ms. Bindu S Mony AP, participated in the two-week, AICTE-sponsored SDP on " Research Methodology & Advances in Computing", Union Christian College , Aluva May 14 - 25, 2012.

Mr. Santhoshkumar GS attended the SCERT training programme for Economics teachers as external RP at St.George HSS Kattappana.

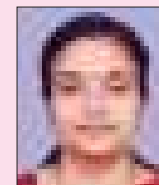
Ms. Lisha Varghese, AP, CSE attended the two day workshop on "

DRUPAL" organized by UC college, Aluva in association with CDAC, Chennai.

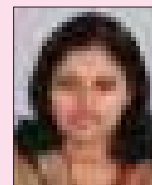
Ms. Bindu S Mony department presented the paper "Multiple MLP Classifiers for Malayalam Character Recognition using Run Length Count ", at the National Conference on Recent Advances in Signal and Image Processing, organized by Kannur University, May 26.

Ms. Sumy Joseph, AP, CSE published a paper on "An Architectural based hybrid approach for network management through mobile agents" in ICETT at MBC, Kollam.

A paper titled " Set Semi Graceful Graphs" is communicated by Ullas Thomas



Ms. P. Darsana  
First Rank  
M.Tech. Commn. Engg



Ms. C. Sreeja  
First Rank  
M.Tech PEPS



Mr. Anish Francis  
Second Rank  
M.Tech. Commn. Engg



Mr. Akas G. Kamal  
Third Rank  
M.Tech. Commn. Engg

- ❖ A robotics workshop 'eTRIX' for S4 ECE was conducted - 2<sup>nd</sup> and 3<sup>rd</sup> March in joint collaboration with THINKLABS, Mumbai and was coordinated by Mr. Anu Abraham Mathew.
- ❖ Gloriya Mathew ,Rintumul Joseph and Joms Antony of first M.Tech CSE published a paper on " A secure multifactor authentication using graphical password" in NCET, Archana College of Engineering.
- ❖ Gloriya Mathew, Shafeena Basheer&Teenu Teresa Paul of first M.Tech CSE PG Scholars published a paper on Multifactor Authentication for network security use image based password" in ICETT at Mar Baselios College of Engineering, Kollam.
- ❖ Rintumul Joseph, AshaYeldose, Josmy T. Jose & Sayana Catherine Paul presented a paper on "An Architectural based hybrid approach for network management through mobile agents" in ICETT at Mar Baselios College of Engineering, Kollam.
- ❖ Mr.Jishnu Muralikrishna, Mr. Midhun Jose, Mr.Thomaskutty and Mr. Vishnu reached final rounds of "ROBOTRYST-2012 at IIT-DELHI - March 2-5 in 2012.
- ❖ The following students from CSE presented their main project paper in the National Conference on Advances in Computational Engineering Research (ACER '12)at Saintgits College of Engg. Kottayam- April 2012 Divya Sadanandan, Anjali P.K, Mithun K. T Sonamol Kurian Manjusha Babu Gladson R, Asha Siby Ganesh S Ani Jacob, Alpha Jose, Meril D Pallan, , Nussy Susan Varghese, AnjuDevassia, , Tina Maria Thomas, Jithin Fernando, Neena Thomas, Safna Sulaiman, Aleena Joseph, Jinu Mathai, Josme John, Steena Thomas, Ida Susan, Kavita Menon, Subin Joseph, Jessy R , Bony M Joseph, Arya S., Josymol Joseph, K.R. Abhilash, Mekha Jose,
- ❖ Linomon Joseph and Catherine Santha Molison, of S8 ECE cleared Gate-12 Examination.
- ❖ Techtop - 12: Project selected for final round - Mosquito Trap Students: Soumya Jose, Sreelakshmi C.S., Steffy Mary Jose, Sunil Sunny - S6 ECE Guide: K.M.Abubecker
- ❖ Fests: Our students made us proud securing prizes at various fests at RIT, St.Gits, ToCh, Amrita Inst., GEC-Idukki, SJC-Palai etc. The first prize winners from S8 ECE: Ananthan S Dharan; Akhil Antony; Anoop Pittan; Bittu Sebastian; Deunia Susan John; Jerin Xavier; Leo Joseph; Manu Manual; Melvin Mathew; Micah George; Nijo Thomas; Pratap Joseph; Rakesh Krishnan R; Robin Mathews ; Rosu Jacob; Sam P Joseph; Sebin Sebastian; Silpa Robin; Toby James; Tony Thomas; Vinod Joshy K.



Manjusha V. K. First Rank - M.Tech PEPS from Anna University

## FOCUZ 2012



FOCUZ'12 - Lukes Memorial Photography Contest Inaugurated by Prof. Emmanuel Vattakatt, Principal, SD College, Kanjirappally

