*Inauguration of M.CAP by Sri. Oommen Chandy, Chief Minister of Kerala and Chief guest of the function Shri. Abdu Rabb, Minister for Education*

## M.CAP
### MARIAN COLLEGE OF ARCHITECTURE & PLANNING

On 23rd September, 2014 Marian College of Architecture and Planning M.CAP was inaugurated by Sri. Oommen Chandy, Chief Minister of Kerala and Shri. Abdu Rabb, Minister for Education. On this occassion, Education Minister Sri. Abdu Rabb distributed certificates and trophies to the University Rank holders of S6.





*Blessing of "Technology Business Incubation Centre" by His Grace Dr. Soosa Pakiam on 26th February 2014*



*PTA meeting conducted on 30th August , 2014 for the parents of S3, S5 and S7 at Bishop Benziger Hall.*



## Don't Take Your Organs To Heaven Lord Knows We Need Them Down Here

Malayala Manorama has organized a class on Organ donation on 24th Feb, 2014. The function was inaugurated by Dr. Bennet Abraham (Director, Karakonam Medical College), and welcomed by the Manager Rev. Msgr. A. George Paul. Mr. C.A. Thomas (Malayala Manorama Senior circulation Manager), Mr. T. Santhosh (Malayala Manorama Senior circulation Inspector) and college co-ordinator Dr. J.W. Christal Flory (Professor, Head of Mathematics Department) shared their valuable ideas.



*Marian Engineering College conducted the second voluntary blood donation camp on August 26th 2014, Tuesday*

## M.CAP – MARIAN COLLEGE OF ARCHITECTURE AND PLANNING INAUGURATED ON 29th SEPTEMBER . 2014

The dream of Marian as 'Edu. City', where we have a cluster of Educational Institutions, a new star was born on 29th September, 2014 as M. CAP - Marian College of Architecture and Planning. New born star is light to the new generation professionals... Opens new avenues to bring out the best talents of our students and create professionals, worldwide. It is indeed a new feather to the Marian management team. Fully packed audience from all walks of life witnessed the lighting the lamp ceremony and inauguration of the new professional college. Sri. Oommen Chandy, Chief Minister, Most Rev. Dr. Soosa Pakiam, Archbishop of Trivandrum and Sri. Abdu Rabb, Hon'ble Minister for Education, Govt. of Kerala were the guests of honour. While the members of Marian family lifted their hearts for God's Blessings and our college choir chanted the divine melodies, chief guests lighted lamps and dedicated the Institution to the nation. Msgr. A. George Paul, our respected Manager, welcomed the gathering. Prof. Baby Paul, Principal of the newly established Architecture College, introduced B. Arch course to the audience and this was followed by the presidential address by His Grace, Most Rev. Dr. M. Soosa Pakiam. Chief Minister, Sri. Oommen Chandy delivered the inaugural address and unveiled the foundation stone, to be laid for the new college. Shri. Addu Rabb, Minister for Education, Govt. of Kerala was the Chief Guest of the day. The Education Minister distributed awards to University toppers of MEC. Shri. V. Sasi, MLA of Chirayinkeezhu Constituency, Shri. M. A. Vaheed MLA of Kazhkuttom Constituency and Shri. Sunny Jose, Syndicate Member, Cochin University of Science and Technology felicitated the audience.


*Unveiling the Foundation stone of M.CAP by Sri. Oommen Chandy, Chief Minister of Kerala*


*Chief Minister and Education Minister during the inauguration of M.CAP*

## SECOND VOLUNTARY BLOOD DONATION CAMP ON AUGUST 26th, 2014 AT MARIAN ENGINEERING COLLEGE

Marian Engineering College conducted the second voluntary blood donation camp on August 26th 2014, Tuesday. The camp was conducted as a part of social service by the students. The inaugural function was conducted at Bishop Benzinger hall. The chief guests were Sri Rishiraj Singh IPS, ADGP, SS &T, Kerala Police and film actor Sri Indrans. The inaugural ceremony commenced with a prayer song. The student council chairman Harikrishnan K S delivered the welcome speech. The college Manager Rev. Msgr. A George Paul gave the presidential address. The chief guests inaugurated the function by lighting the lamp. Sri Rishiraj Singh inspired the students by giving a wonderful speech. He conveyed the message that a B-Tech degree alone will not make a person a good engineer but practical experiences make him perfect. Sri Indrans shared his day to day experience with the students and shared good moments with Sri Rishiraj Singh. Felicitation speeches were given by Sri Baby Prabhakaran, Programme Manager, HLFPPT, Kerala and Dr. Jaicy Mathai, Head, Blood transfusion, SCTIMST. Programme convenor Asst Prof Vaisakh.Y gave vote of thanks. The chief guests were honoured by the Manager and Bursar by giving mementos in the form of pencil sketches drawn by Govind Krishnakumar of S7 Mechanical Engineering. Rev .Fr. A R John inaugurated the blood camp by being the first donor. The camp started at 10:00 am. It was conducted in association with HLL Life Care Ltd, HLFPPT and Kerala State Aids Control Society. Five blood bank units from various Government hospitals including RCC, Trivandrum Medical College, Thycaud W&C Hospital, General Hospital and SCIMST participated in the camp. Medical team comprising of Doctors, nurses and lab assistants from these hospitals supported in collecting blood. 25 beds were arranged in the hall. Each hospital took five beds each. 60 student volunteers from 7th semester classes whole heartedly supported the camp by doing various activities. The camp ended at 1:30pm. 237 donors gave blood. This includes 60 Female student donors, 14 Staff donors, and 163 Male student donors. A total of 85 litres of blood were collected. Units of blood taken by various hospitals are General hospital (60), RCC (40), SCTIMST (40), Thycaud W&C hospital (50), Medical College (47). The donors were provided certificates by KSACS, SCTIMST and RCC.


*The very first batch of B.Arch students with Dignitaries*


*Inaugural Ceremony of 'Blood Donation Camp' by Sri Rishiraj singh IPS and film actor Sri Indrans*

### JUZZ GRILL... .....

• 10% of road accidents are due to drunken driving. Doesn't this make a logical statement that 90% of accidents are due to driving without drinking?
• A man threw his wife in a pond of crocodiles. He's now being harassed by the Animal Rights Activists for being cruel to the crocodiles!
• He was a good man. He never smoked, drank, and had no affair. When he died, the insurance company refused the claim. They said," he who never lived, cannot die".
• There are so many options for suicide: Poison, sleeping pills,, hanging , jumping form a building, lying on train tracks, but we chose marriage, slow & sure! All desirable things are either illegal, banned, expensive or married to someone else!
• If time does'nt wait for you , don't worry ! Just remove the damn battery from the clock and enjoy life !


*Sri. Indrans chit-chatting with the students*


*The first donor of the camp, Rev. Fr. A. R. John*

## TECHNOLOGY BUSINESS INCUBATION CENTRE

His Grace, Most Rev. Dr. Soosa Pakiam M, Patron of the College, blessed the "Technology Business Incubation Centre" at S.H. Block, MEC on 26th February 2014 and dedicated the Centre to the Young Innovators of Marian family. Our Honorable Chief Minister Sri. Oommen Chandi, had inaugurated the Technology Business Incubation Centre on 14th June, 2013 along with the opening ceremony of newly built Administrative Block.

Marian Engineering College has already incubated four companies (Marian TBI Units) namely Moto PI, Techskyre, Finure Technology and One by Zeor Innovations affiliated to Technopark TBI. The handing over of application and continual procedures for the above was done by Dr. K.C Chandrasekhar in a meeting with the College Management. On 26th February, 2014 the TBI cells were formally handed over to four groups of student entrepreneurs, by His Grace, Most Rev. Dr. Soosa Pakiam M.

## TBI ACTIVITIES

Women Entrepreneurship Development Program was organized by Technopark on March 8th,2014. Twenty female students along with 2 staff members namely Ms. Lekshmi V.S and Mr. Glastin Y.V attended the program in regard with the Technopark TBI tie up.

A seminar on financial assistance to new entrepreneurs was organized by Technopark TBI, at Asian School of Business Management (Pallipuram, TVM). Experts from various funding agencies shared their minds on this occasion. Fifteen students along with staff co-ordinators namely Ms. Shiji C. G, Ms. Lekshmi V.S and Mr. Glastin Y.V attended the program.

## Teachers Day Celebrations- September 5th, 2014



Dept of ECE & AEI - A Very Beautiful Card for Teachers Day have been prepared by the students of S7 AEI with write ups for all the Staff members who have taught them. The students of S7 ECE have prepared a token of thanks for every teacher of the department, and both the classes treated their teachers in an auspicious manner.

Dept of CE – Teachers Day Celebrations were hosted by the M. Tech Geotechnical Engineering students in the morning session and B Tech final year students in the afternoon session to offer tribute to their teachers on 5th September 2014 at Seminar hall, St Xaviers's Block. The students honoured their teachers and presented gifts to all the faculty members as a token of their love and affection.

## MARIAN –BSNL TIE UP (EETP)

An MoU had been signed between AICTE and BSNL under the Employability Enhancement Training Programme , that gives the opportunity to train the students of Engineering Colleges on various telecom specialities , which in turn is expected to enhance the employment possibilities of these students. Department of Electronics have nominated 12 students from 5th semester itself, to participate in their training sessions during week days and week ends. The first batch ( 2011-2015 )of students who have undergone the training programs are Ms. Faina Nujum . Ms. Parvathy B.S, Mr. Al Ameen J.M, Mr. Alex Joseph, Ms. Parvathy R.L,Ms. Geethu mol A. G, Mr. Manish K. Mathew , Ms. Ligin Alphonsa , Mr. Nanda Kumar, Ms. Meera M., Mr. Midhun V.M and Ms. Eveena Edison (present S7 ECE students). They have completed their BSNL Silver Certified Engineer Course (5th Semester) and BSNL Gold-Certified Engineer Course (6th Semester). Presently they have completed BSNL Platinum Certified Engineer Course (7th Semester). The next batch of students( 2012-2016) have already started their BSNL Silver Certified Engineer Course (5th Semester).

## MARIAN CAREER GUIDANCE & PLACEMENT UNIT

### Student Trainings

1. A training programme by Insight Job Guru was conducted for S7 students. The students having upto one backlog were included for the training. The training was scheduled from 14th to 16th of August 2014. This session concentrated on soft skills.

2. A five day preplacement training programme was organized for S7 students by TIME. The first session was from 21st to 23rd July 2014 and the second session from 29th to 30th September 2014.

3. A mock placement drive was arranged for seventh semester B.Tech students on 27/8/14. This session covered all the aspects of Placements (Aptitude, GD and Interview).

4. As part of the MOU signed with ICT Academy of Kerala an Orientation programme was arrange for S1S2 students on 2/9/14.

### Staff Training Programme

1. CGPU organized 3 consecutive FDP's on 'Communicative English'. The session was handled by Fr. Benny Chiramel S J, Manager, St. Xavier's College. The programme was conducted from 27th to 30th October, 6th to 8th November and 26th to 28th November, 2014.

2. Another FDP was organized for staff from 16th to 18th October, 2014. The session was conducted by ICT Academy of Kerala, Technopark.



*Infosys came for Campus recruitment to Marian Engineering College on 6th of October 2014. They selected 34 students in the drive*



## THE PRIDE OF MARIAN

*Our Class toppers with Archbishop Soosapakiam, PadmaSree Madhu and PadmaSree Chandradhathan On February 26th, 2014 for 'Concordia - the College Fest'*

## Civil Engineering

### Inauguration of Civil Engineering Association 2014

Civil Engineering Association inauguration was followed by a technical session by Shri. P. Jayakumar I. R. S. E., General Manager (Metro) on "Metro Rails", September 18, 2014 at Bishop Benziger Hall. The technical aspects of the upcoming mega project "The Kochi Metro" and the cutting edge technology which is being practiced were explained to the students. Session was followed by brain storming discussions. The main aim of organizing such seminars was to bring distinguished professionals to the institute to present their work in areas of national importance. The session served as a platform for budding the civil engineers to interact with experts and to get inspired from their works.

Most Rev. Dr. M. Soosa Pakiam, Archbishop of Trivandrum Latin Archdiocese inaugurated the **Post Graduate Program in Geotechnical Engineering** on 18th August 2014 at Bishop Benziger Hall. Inaugural session was followed by an introductory seminar by Prof. Rani V. on the topic "An Overview to the course of Geotechnical Engineering" at CGPU seminar hall. **Prof. T. K. Gopalakrishnan Nair, P G Professor**, distinguished practitioner and an expert consultant in the field of Geotechnical Engineering delivered a technical talk on Geotechnical field investigations and case studies.

### Technical session by Dr. Binumol Tom

Civil Engineering Association organized a technical session by Dr. Binumol Tom, Head of the Department (Architecture), RIET, Kottayam on September 24, 2014 at Bishop Benziger Hall. The session enlightened the students on traditional Kerala Architecture, its evolution, effects on the social and religious systems, concept of vasthupurusha and thachushasthra

## STUDENT ACHIEVEMENTS

The students of S7 CE participated in various events, at Rajadhani Institute of Technology in the month of August, 2014.

- Aswathy Jagannadhan bagged first prize and a cash award of Rs. 10,000 for the event Mr & Ms Reign4CE.
- Bennette Sunny Cherian secured first prize and a cash award of Rs. 4,000 for the event Master Builder.
- Arya A won second prize and a cash award of Rs. 2,000 for the Concrete Mix Design event.
- Anand Kumar won second prize and a cash award of Rs. 2,000 for the Concrete Mix Design event.

- Seventh semester Civil engineering students visited the international stadium site at Karyavattom on 2nd August 2014. Visit turned out to be a great learning experience for the students as they could witness precasting techniques, instruments used for precasting, concrete mixing, pumping, isolated and combined footing construction and lifting and installation of precast seating elements.

## Computer Science and Engineering

### NATIONAL CONFERENCE

The Computer Science Department organized a two day National conference on 28th and 29th of August 2014. The conference aims at UG, PG students and researchers to exchange and share their research experiences, new ideas and research results about all aspects of network engineering field. About 30 participants presented their technical paper and exchanged ideas. The conference gave a clear picture about how to present a paper and details of current research to the faculty and students. The conference proceedings included 37 technical papers from participants from various institutions. The Conference started at 9.15 am in presence of College Manager Msgr. A. George Paul, Principal Prof. Tomy Michael, Head of the Department Prof. S.K. Mohan, P.G dean Dr. K.S. Ramakrishnan and R & D Dean Prof. Dhanjayan. The Conference was inaugurated by Dr. Achuthsankar S. Nair, Director of Bioinformatics Centre, University of Kerala. Dr. Achuthsankar presented an excellent talk on the relevance of interdisciplinary research and nature oriented research in interdisciplinary fields. After this session technical paper presentation was started.

### FACULTY DEVELOPMENT PROGRAMME

1. Ms. Nisha J.R and Ms. Swapna H (Asst. Professors), attended attended a 2 week ISTE Workshop on Computer Networking" at Mar Baselios College of Engineering, July 2014.
2. Campus Connect Train the Trainer (TTT) Program on 'Responsive Web Design Using JQuery Mobile', a three day full time program co-hosted by Infosys Limited, Trivandrum and Lourdes Matha College of Science and Technology, Trivandrum from 4th June 2014 – 6th June 2014, and will be held at Lourdes Matha College of Science and Technology, Trivandrum, attended by Ms. Remya U.L and Ms. Simi Margaret.

### JOURNAL / CONFERENCE PUBLICATIONS

1. Ms. Sheeja Agustin, Asst. Professor, Published a paper titled "Thyroid Segmentation and Classification using ANFIS" in International Journal of Artificial Intelligence" on July 2014.
2. Ms. Preethu George, MTech student, presented the paper titled "A Review on Log-Gabor Filters for Image-Biased Vehicle Verification", in the National Conference on Computer Competence (NCCC-2014) held on 29th and 30th April 2014.
3. Ms. Aswathy S. Nair, M.Tech student presented the paper titled "A Review on Medical Image Fusion Technologies", in the National Conference on Computer Competence (NCCC-2014) held on 29th and 30th April 2014.
4. Ms. Santhikrishna M.S, M.Tech student presented the paper titled "A Review on Classification of Thyroid Ultrasound Images", in the National Conference on Computer Competence (NCCC-2014) held on 29th and 30th April 2014.
5. Ms. Treesa Joseph, M.Tech student published the paper titled "ECG Steganography based privacy protection of medical dates for telemedicine application" at IOSR journal in 2014.
6. Mr. Vishnu R, M.Tech student published the paper titled "Dynamic Query Form with NoSQL" at International Journal of Research in Engineering & Technology in 2014.
7. Mr. Avinash V.Nair, M.Tech student published the paper titled "Multiparty Access Control Mechanisms for Online Social Networks", at International Journal of Research in Engineering & Technology in 2014.


*Civil Engineering Association Inauguration by Sri. P. Jayakumar I. R. S. E., General Manager (Metro)*


*Talk by Prof. T. K. Gopalakrishnan Nair, P G ,Professor*


*Technical session by Dr. Binumol Tom, HOD (Arch), RIET, Kottayam*


*Inauguration by Dr.Achuthsankar S. Nair, Director of Bioinformatics centre, University of Kerala*


*Dr.Abdul Nizar, HOD (CSE), CET delivering lecture*

## MECHANICAL ENGINEERING

### SEMINARS / WORKSHOPS

• Faculty Development Programme was given to all teaching staffs of the Department by Prof Dr K S Ramakrishnan on "Kinematics and Dynamics of Machinery on 31st DEC 2014.

• Dr. Sreekanth Ramakrishnan, Research Officer, IBM, New York, USA delivered a seminar to S8 ME students on "Measurement tools for ascertaining and influencing performance parameters of large concerns" on March 2014.

• Assistant Professors Anoopkrishna C, Vaisakh.Y, Maneesh T and Madhavan R participated in a two-week ISTE workshop on Fluid Mechanics conducted by IIT-Kharagpur on May 2014 at Mohandas College of Engineering.

• Vaisakh.Y attended a TEQIP sponsored workshop on " Laser Microprocessing for Biomedical Applications" organized by Department of Production Technology, NIT-Trichy on April 3rd

• Hareesh R, AP, ME attended a 3-Day TEQIP sponsored FDP course on "Open source software for research purpose" at RIT, Kottayam on March 2014.

### PRESENTATIONS & PUBLICATIONS

• On 6th August, 2014 Mr. Rajaneesh R Chandran , AP, Mechanical Dept. prepared and published two work books on (1) Theory of Machines and (2) Engineering Graphics for S1S2 students in a official meeting at Bishop Benziger Hall.

• Manu Mohan, AP, ME presented a paper "Heat Transfer studies in thermally conducting and electrically insulating Nano-oils in natural circulation loop"-IMECE 2013-64285 at ASME conference, San Diego, California, USA.

• Assistant Professor Ajith C Menon published Papers i)"Mathematical modelling of electroosmosis flow through a slit micro channel under the influence of time varying electric field" and ii) " Numerical simulation on the performance evaluation of a solar updraft tower" on International Journal of Mechanical Engg & Rob Research (IJMERR) Vol:3, 4th Oct 2014.

• Assistant Professors Arun J and Hareesh R took classes for S3 and S7 students on "MS-Office" on June 2014.

• Assistant Professor Arun J conducted a seminar to S7 students on "How to present a Seminar" on June 2014.

• Department of Mechanical Engineering conducted its first "Online assignment test" for S7 student at the CAD Lab Facility on Sept 2014.

### STUDENT ACHIEVEMENTS

• Vishnu Sasikumar of S8 Mechanical secured the Third rank in seventh semester Kerala University B-Tech (9.38 GPA) Degree Examination.

• P Abhinav Shiv of S8 Mechanical got first rank in S6 B-Tech Degree Examination and scored a GPA of 9.66.

## ELECTRONICS AND COMMUNICATION ENGINEERING

### NATIONAL CONFERENCE –NCRTCI'14

The Department has conducted a one day National Conference in 'Recent trends in Communication and Instrumentation-NCRTCI-14' on 19th March 2014. The main events of the conference were paper presentation for PG students and invited talks by eminent scientists for UG students of the department.

The invited speakers were Dr. N.Selvaganesan, Head, Avionics,Indian Institute of Space Science & Technology, IIST, Trivandrum, Mr. S.V. Mohan Kumar, Head, ATD, SPL & Dy. Project Director, CHACE 2 of Chandrayan II & MENCA of Indian Mars Mission V.S.S.C.

### PROJECT EXPO 2014

The Department conducted a Project Exhibition on 20th August 2014. The First Prize was given to team lead by Manish K. Mathew of S7 ECE for the project 'Automatic Pill Dispensor.' The second prize was given to team lead by Vishnu M. of S7 AEI for the project 'Gesture Controlled Robot with Wireless Surveilance'. The third prize was shared among two teams for topics 'Mini Landrover with Artificial Intelligence' and 'PowerLine Communications' lead by Tilson Joji of S7 ECE and Alex Joseph Gregory of S7 ECE respectively.

### SEMINAR

Marian Engineering College Alumni Association (MECAA) conducted a technical lecture on 28th August 2014. Mr. Abin N A, Senior Lead Engineer, NeST, Technopark, class topper of 2005 batch Electronics and Communication handled the session. S5 ECE students attended the program. Mr.Abin discussed about:

1.The technical skills needed for the industry.
2.How to develop these skills during the study period?
3.The importance of higher studies and how to choose areas of higher studies.

### STUDENT ACHIEVEMENTS

Mr. Alex Joseph Gregory and team had won the first position in Satellite Designing and Launching Workshop held at GEC, Barton Hill, Trivandrum on 30 to 31st August, 2014


*Talk by Dr. Sreekanth Ramakrishnan, Research Officer, IBM, Newyork , at the Dept of the ME*


*Inaugural Ceremony of 'NCRTCI-'14 ' at the Dept of ECE*


*1st Prize for Project Exhibition awarded to Manish Mathew & team of S7 ECE for the project Automatic Pill Dispensor*


*2nd prize awarded to team lead by Vishnu M. of S7 AEI for the project Gesture Controlled Robot with wireless Surveillance*


*3rd prize awarded to team lead by Alex Joseph Gregory of S7 ECE for the project PowerLine Communications*


*3rd prize also awarded to team lead by Tilson Joji of S7 ECE for the project Mini Landrover with Artificial Intelligence*

## ONAM CELEBRATIONS @ MARIAN on SEPT 5th, 2014

Marian family has celebrated 13th year of Onam on Sept 5th. The biggest festival of the state of Kerala which marks the homecoming and coronation of ancient mythical Emperor Mahabali , showcases the rich culture and heritage of Kerala. The programme started with a prayer followed by the welcome speech by Sajil Jahas, Arts Club Secretary at 8.45am. The inaugural address was given by Manager and the Onam message was delivered by Principal and Bursar. This was followed by the felicitation of Senior staff members and the vote of thanks was delivered by Hari Krishnan KS, Chairman, Students Council. The Management ,Staff and Students of Marian equally enjoyed the day by participating in various events like Thiruvathira, Onapattu, Athapookalam, Musical Chair, Kalam Udakal, Pillow fight, Uriyadi, Vadamvali. Programme was concluded by a Onam sadhya.

## COLLEGE DAY CELEBRATIONS @ MARIAN on FEB 26th, 2014

The curtain-raiser event of the College Day was the Blessing of "Technology Business Incubation Centre" at S.H. Block, MEC. His Grace, Most Rev. Dr. Soosa Pakiam M., Patron of the College, offered prayers to God, Almighty and dedicated the Centre to the Young Innovators of Marian family. At 10.00 a.m. Archbishop moved on to the "Bishop Vincent Dereere Hall" and the jubilant crowd welcomed the Chief guests, Our Patron together with Padmashree M. Chandradathan and Padmasree Madhu. Sweet and melodious prayer song led by the college choir gave divine flash to the gathering. The Manager Msgr. A. George Paul welcomed the distinguished gathering. Prof. Tomy Michael, Principal, in his annual report, unfolded the events of the year and when he mentioned about the high number of pass percentage in S7 University results, jubilant students recognized the service of the Marian Faculty with loud applause. In his Benedictory address, Archbishop appreciated the sincere service of the staff members. He enlightened God's manifold gifts, showered on new generation professionals and encouraged them to comeout with new innovations. In his presidential address, Padmashree M.Chandradathan, Director, LPSC, Valiamala, shed light on the different levels of personality formation and presented character formation as a road way to success. He released the first copy of the "Marian Journal of Engineering Research" and congratulated Dr. K. S. Ramakrishnan, Editor in Chief of Marian Journal and all who have contributed to the first issue. Rev. Fr. A. R. John, Bursar, congratulated the students for their wholehearted cooperation and thanked one and all for crediting name and fame to the Marian family. This was followed by an exciting prize-giving ceremony. Academic toppers, 100% attendance winners and the best outgoing students of various departments who made significant contributions to the Institution ascended the stage to receive the prizes. Students' photo session with the dignitaries marked appreciation and reorganization of their perseverance and hard work. As the inaugural programme was winding up, our Archbishop presented mementos to the Chief Guests as sign of our gratitude and love. Dr. A. V. George, President, PTA, presented Mementos to the best outgoing students. The formal meeting came to a close with the Vote of Thanks proposed by the college Senate Chairman, Mr. Sarath S. B.

## SANTHWANAM MARIAN ACTIVITIES

Santhwanam Marian has organized a program where study kits and books were distributed to the last grade office staff members on July 21st, 2014.

On 30th August 2014, the team of Santhwanam Marian visited Sadhana Renewal Centre, Monvila. The Centre inhabitates mentally challenged as well as Drug addicts. A total of 58 students of Jesus Youth and 5 staff members participated.

Stills of Onam Celebrations clicked

Cherishing moments of College Day – 'CONCORDIA-14

Stills of Onam Celebrations clicked

Cherishing moments of College Day – 'CONCORDIA-14

« S5 CSE

« S5 CSE

« S5 ME

« S5 CE

S5 ME »

**Students Corner**

College life brings with it's own share of experiences – unique and special, one that can't be found elsewhere. And no, we don't just mean exams or the usual college day functions, but more. The practice sessions before the youth festival, the lunch breaks where we catch up on the usual gossip, the pranks we play in class, well, the list is endless. Thanks to the teachers and the management, two weeks back, we were given the privilege of enjoying all these various experiences, at one go and in one special package. After two whole months of heated discussions and endless hours of meticulous planning, the day of the class trip, finally dawned on the students, bright and full. Students and the teachers boarded the bus on 8th September, 2014, to visit a few of the country's best tourist destinations. The journey on the bus was great fun. Students danced to their hearts content, watched a few movies and pulled pranks on each other till they were completely worn out. The hours seemed to fly by, and before long, they reached their first destination – Coorg.The team reached Coorg by noon, after an entire day of travelling. After a quick lunch and a few minutes of washing up, they left the hotel for the Bamboo forest. Over there, they had a brief communion with nature, and enjoyed the serenity it brought. But they were in for a rather exhilarating experience, soon after. They went rafting on the river which flows through the middle of the Dobara forest. The experience left our adrenalines pumping so hard and for some of them it felt like a near-death encounter. Yet, it was so thoroughly enjoyable that a few of them even opted for a second round of rafting! This was followed by a visit to the Golden Temple in Coorg. The entire surrounding exuded such peace and beauty, that it overwhelmed them. Looking into the faces of those monks, one couldn't help but wish for such quiet assurance and calm. When they got back to the hotel, at night, they were worn out and tired. But that didn't stop them from dancing away to glory, to the tunes of our in-house DJ, around the campfire. They slept somewhere around the wee hours of the morning. The next day, by around nine in the morning, they were on their way to Mysore. The first stop was the Chamundy hills, where they loitered around a bit. Then they visited the Chamundy temple, did some quick shopping from the nearby streets and left for the Mysore palace. The Mysore palace was rather enchanting. It gave them a quick glimpse into the aristocratic world of the past. Leaving behind the world of Tipu Sultan and his many wives, they had another round of shopping and a quick dinner, before retiring for the night.

## PLACEMENT STUDENTS OF 2014

**CIVIL ENGINEERING:-** Anusree Venugopal, Aswathy Jagannadhan, Gopika G, Kiran S, Linu Ann Wilson, Naufa Nazar, Nidhi C Mohan of S7 CE got placed in Infosys. (Drive held on Oct 6 & 7, 2014)

**COMPUTER SCIENCE AND ENGINEERING:-** Ajish J Lal, Aju K Raj, Dheeraj P B, Gladson Mathew, Maria Francis, S Gokul Rame, Seethal M George, Vrinda M, and Antony Thomas placed in Infosys and Gini Ignatious, Suneesh A S of S7 CS got placed in Cognizant Technology Solutions.

**MECHANICAL ENGINEERING:-** Gokul J Nair, Harikrishnan K.S, Irshad Ali S., Madhav J.S and Sarath R.S of S7 M1 and Shaul Hameed S., Vishnu B of S7 M2 have been placed in Infosys Ltd.

**ELECTRONICS AND COMMUNICATION ENGINEERING:-** Alex Joseph Gregory, Faina Nujum, Geethumol A.G, Lisha Manuel, Manish.K.Mathew, Midhun V.M, Mili Rafeeq, Nanda Kumar S., Nanditha J.L and Veena Varkey of S7 T have been placed in Infosys Ltd. Aiswarya S.Das, Anselin Das, Parvathy B.S of S7 T and Meera G.R, Surafi P.S of S7 AEI have been placed in Cognizant Technology Solutions.

O.R is the abbreviation for Operations Research. Operations Research is the new science which came into existence in a military context. During World War II military management in England called upon Scientists from various disciplines to discuss and suggest ways and means to improve the execution of various military projects. By their joint effort they could suggest certain approaches which could bring forth remarkable progress. This new approach to systematic, scientific operations of the military system was called Operations Research or Operational Research or O.R. The term Operational Research was first coined in 1940. The emerging results obtained by British O.R team's motivated U.S military management to start similar activities.

By the end of the Second World War, the success of military teams attracted the attention of Industrial managers. In India, O.R came into existence in 1949. During the year 1950 O.R achieved recognition as a subject worthy of academic study in the Universities.

## Models (Quantitative Techniques) of O.R:

1. Distribution Models: These models are concerned with the allotment of available resources so as to minimize cost or maximize profit. Methods for solving this type of problems are called Mathematical Programming Techniques. These are linear and nonlinear programming problems. Linear Programming Problems is called L.P.P. In short, "programming" means planning. The word linear indicates that all relationships involved are linear. Simplex method of L.P.P is the first mathematical technique developed (in 1947) in this field. Transportation problem is a particular type of L.P.P. where we find quantities to be transported from m sources to n destinations, in such a way that the total transportation cost is minimized. Assignment problem is also a special type of L.P.P. in which the objective is to find the optimum allocation of a number of jobs to an equal number of persons.

2. Queuing Models (Weighting Line Models): These models attempt to predict how much time on average will be spent by a customer in a queue, what will be the average length of a queue, what will be the traffic intensity etc.

3. Network Models: Project Evaluation and Review Techniques (PERT) and Critical Path Method (CPM) are used for planning, scheduling and controlling complex projects which can be characterized by networks.

Other important models are Inventory Models useful in the field of economics, Markovian Models which can be used where the system moves from one state to another on a probability basis, Game Theory which can be used to determine the behavior of decision making under competition, Job Sequencing Models which are concerned with such a problem in which efficiency measure depends on order or sequence of performing series of jobs and simulation models which is a very powerful technique for solving very complex problems.

## Scope of O.R.

Techniques of O.R. can be used in agriculture for optimum allocation of land to various crops in accordance with the climatic conditions. In finance O.R. is used to make profit plans. It is used in the field of marketing to distribute products for sale so that the total cost of transportation is minimum. In industry O.R. is used to find out the optimum allocation of various limited resources to arrive at the optimum decision. O.R. is also used for forecasting man power requirement, selection of personnel, determination of optimum number of persons for each service centre etc. It helps a personal manager to appoint the most suitable person on minimum salary.

Though the basic goal of O.R. was winning the war, now O.R. has developed as "an art of winning the war without actually fighting it".

## Thought of the Month- Most Important Part of the Body

My mother used to ask me what the most important part of the body is. Through the years I would take a guess at what I thought was the correct answer.

When I was younger, I thought sound was very important to us as humans, so I said," My ears Mummy."

She said ,"No.Many people are deaf. But you keep thinking about it and I will ask you soon ." Several years passed before she asked me again . Since making my first attempt, I had contemplated the correct answer . So this time I told her ,"Mummy sight is very important to everybody, so it must be our eyes."

She looked at me and said," You are learning very fast , but the answer is not correct because there are many people who are blind." Stumped again , I continued my quest for knowledge and over the years, Mother asked me a couple more times and always her answer was ,"No. But you are getting smarter every year, my child."

Then one year, my father died. Everybody was crying. My Mom looked at me when it was our turn to say final good-bye to my father. She asked me," Do you know the most important body part yet, my dear?"

I was shocked when she asked me this now. I always thought this was a game between her and me . She saw the confusion on my face and told me," This question is very important. It shows that you have really lived in your life. For every body part you gave me in the past, I have told you were wrong and I have given you an example why. But today is the day you need to learn this important lesson." She looked at me and threw her head to my shoulder and hugged me. I saw her eyes well up with tears . She said,"My dear, the most important body part is your shoulder."

I asked," Is it because it holds up the head?"No , it is because it can hold the head of a friend or a loved one when they cry. Everybody needs a shoulder to cry on sometime in life, my dear. I only hope that you have enough love and friends that you will always have a shoulder to cry on when you need it."

Then and there I knew the most important part is not a selfish one. It is made for others and not for yourself. It is sympathetic to the pain of others.

**" PEOPLE WILL FORGET WHAT YOU SAID.**
**PEOPLE WILL FORGET WHAT YOU DID.**
**BUT PEOPLE WILL NEVER FORGET HOW YOU MADE THEM FEEL."**