



# MARIAN moments

College Code  
**MCE**

ISO 9001 : 2008 Certified

Trivandrum Latin  
Archdiocesan Institution

A Bimonthly bulletin of Marian Engineering College

● Vol. 1 No. 3 ● January 2013

## SEASON'S GREETINGS



*The New Year is an unwritten book, just opened before us. It is up to us to write its each page.*

*It's not a single, great, heroic deed that defines who you really are. It's the small things you do day by day that really count. If you want to be a winner, you have to be willing to give it your all. Dare to be different and success is in your hands. Wish you a prosperous 2013.*



*New Year is the time to unfold new horizons & realize new dreams, rediscover the strength & faith within u, to rejoice in simple pleasures and gear up for new challenges.*

*Wishing u a truly fulfilling New Year!*



*May this new year bring many opportunities your way, to explore every joy of life and*

*may your resolutions for the days ahead stay firm, turning all your dreams into reality and all your efforts into great achievements. HAPPY NEW YEAR*

### Excellence Meet - "ARETE 2012"

Marian Engineering College had organized a Three Day Excellence Meet in the Marian Campus from Nov 9<sup>th</sup> to Nov 11<sup>th</sup> titled "ARETE 2012" for the benefit of the Plus Two students as a community development programme. The Excellence Meet was inaugurated by His Grace Rt. Rev. Dr. M. Soosapakiam, the Archbishop of Trivandrum. The aim of this programme was to give an intensive Entrance Coaching training for the +2 students. Seventy students from various schools and parishes under the Archdiocese, participated in this Meet. The Meet was organized as a Residential programme. The main highlight of the event was the Entrance coaching sessions handled by experts from TIME. Continuous and extensive sessions were taken in subjects Mathematics, Physics and Chemistry by eminent professors. A Mock Entrance Test was also carried out on the Third day. The students were benefitted in a very big manner. Apart from the Entrance Coaching classes, there were other important sessions as well. Our Manager Rev. Msgr. A. George Paul gave a beautiful message on higher education. Rev. Fr. A. R. John took a session on "Study Skills". Motivational sessions were also given and handled by Prof. K. Dhananjayan, Mr. Ullas Innocent Raj and Mr. Jose Hormese. The prayer session was handled by Mr. Joseph K M. There was also a Talent Night on the second day which brought out the hidden talents in the students. After the Mock Entrance Exam on the third day the students were given an Exposure to Engineering where they were taken to the labs of the various departments. The students got an initial experience in the field of Engineering. The Programme was really effective and proved to be a success with the whole hearted support of the staff members of the college. The students gave a very good feedback about the event.



### GOOD NEWS OF NEW YEAR



Ms. Neethu Prakash  
1<sup>st</sup> Rank - M.Tech - CE  
University of Kerala(Faculty)



Ms. Safia Salim  
1<sup>st</sup> Rank - M.Tech - AE&I  
University of Kerala(Faculty)



Ms. Anitha Edison  
2<sup>nd</sup> Rank - M.Tech - Signal Processing  
University of Kerala(Faculty)



Ms. Haritha Prasad.U.  
2<sup>nd</sup> Rank - S4 - ECE  
University of Kerala

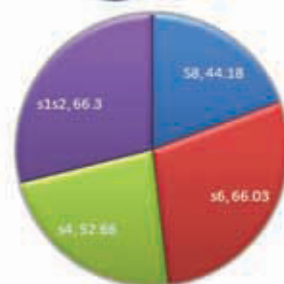


Ms. Anju G Nair  
3<sup>rd</sup> Rank - S6 - AE&I  
University of Kerala



## BREAKING NEWS

**MARIAN ENGINEERING COLLEGE PROUDLY CONGRATULATES OUR FIRST YEAR STUDENTS FOR BRINGING MARIAN TO THE TOPMOST POSITION AMONG ALL SELF FINANCING COLLEGES IN UNIVERSITY OF KERALA**



## Dr. A. P. J. Abdul Kalam's Address at Marian Engineering College

### The knowledge society in 21st century

The world in the 21st century will be a knowledge based society with multiple opportunities. I was reading a book, "Empires of the Mind" by Denis Waitley. This book gives what type of the new world which we are facing now? What was yesterday and what is today. I have modified certain points of the author to suit our conditions. I have also added a third line which relates to action of educational institutes.

It specially says that "what worked yesterday, won't work today".

1. Yesterday - natural resources defined power  
Today - knowledge is power Educational Institutions will be a powerhouse for knowledge
2. Yesterday - Hierarchy was the model  
Today - synergy is the mandate Educational Institutions will be enabler of intersection of multiple faculties towards mission goals.
3. Yesterday - leaders commanded and controlled  
Today - leaders empower and coach Potential Leaders will be empowered through exposure to the needs of sustainable development
4. Yesterday - shareholders came first  
Today - customers come first Education should inculcate sensitivity to "customer" needs

5. Yesterday - employees took order  
Today - teams make decision Educational Institutions can inject team spirit
6. Yesterday - seniority signified status  
Today - creativity drive status Educational Institutions is the breeding environment for creativity
7. Yesterday - production determined availability  
Today - Competitiveness is the key Competitiveness is powered by research and institute has to have the motto of "teaching-research-teaching"
8. Yesterday - value was extra  
Today - value is everything Objective Value judgment to be introduced in education
9. Yesterday - everyone was a competitor  
Today - everyone is a customer Educated customer is also from Educational Institutions
10. Yesterday - profits were earned through expediency  
Today - Work with integrity and succeed with integrity. Education with value system is the need of the hour.

I am sure, the faculty members of Marian Engineering College are preparing the students with these characteristics.

(to be contd. on next issue...)

### Computer Science & Engineering / Information Technology

The Computer Science & Engineering Association 2012-13 was inaugurated by Dr. E. Baburaj, visiting professor of our department on 27/09/2012. The inaugural session was followed by seminar on the topic "Research a Keynote". The seminar gave an insight to the various aspects of research methodologies.

Ms. Mercelin Francis (Asst. Prof) attended a Short Term Training Pro-gramme on "Linux Based System Administration and Network Management" organized by Computer Science Department of College of Engineering, Trivandrum during 26<sup>th</sup> Nov – 1<sup>st</sup> Dec 2012. Experts from academic institutions, industry and research handled the theory and hands-on sessions.

CS & IT department conducted a faculty development programme for two days for members of faculty, staff and M.Tech students on LAMP (Linux-Apache-Mysql-PHP) Technology on 18<sup>th</sup> and 19<sup>th</sup> of December, 2012. Programme was aimed at providing extensive hands-on training on installing, deploying and managing systems and networks under GNU/Linux. Software Engineers from SPACE (Society for Promotion of Alternative Computing and Employment) formed the core team to handle the theory and hands-on sessions.

Ms. Swapna H (Asst. Professor) published a paper "A Trust Model for Identifying Malicious Behaviour in P2P Networks" in IJCA Special Issue on Advanced Computing and Communication Technologies for HPC Applications ACCTHPCA(2) 7-13, Jul 2012.



CS & IT Dept celebrated the Christmas



Inauguration of CSE Association



## Electronics & Communication Engineering / Applied Electronics & Instrumentation Engineering

Ms. Vinitha B. Elza, attended course on 'Recent Advances in Photonics', at Government College of Engineering, Barton Hill, from 26<sup>th</sup> Nov to 1<sup>st</sup> Dec 2012.

Department of Electronics & Communication, conducted a One day Workshop on Microcontrollers by Vi Microsystems' on 11<sup>th</sup> Dec 2012.

Prof. Thomas Joseph (Sc.D, CDAC) conducted a 'One Day Training Program on Introduction to Microcontrollers' on 12<sup>th</sup> Dec 2012.

A 'One day Workshop on Electronic Equipment Maintenance', was conducted on 27<sup>th</sup> Nov 2012 by Mr. Chandrasekharan Nair (Retd. Staff from Keltron/CDAC), for the laboratory staff members of Marian Engineering College.



*One day workshop for staff*

## Civil Engineering

Civil Engineering Association in Marian Engineering College organized a talk on "How Green is My building?" on 30-11-2012. The session was handled by an eminent architect Mr. Alosiys Michael, from Toronto, Canada. He emphasized the importance of "Leadership in Energy and Environmental Design (LEED)" and also Building Construction in Arctic Climate.

The Civil Engineering department conducted a Survey camp for S7 students at pallipuram 'Apollo Colony', a residential area under Andoorkonam Panchayat containing 1500 residents. The people living there were financially and economically weak and the main problem of the colony was water scarcity. The Camp started from 11/12/12 and continued till 14/12/12. They have prepared a plan of study area and proposed a water supply scheme for the entire population.



*Talk by Rr. Alosiys Michael from Canada*

The Civil Engineering Association under the Dept. of Civil Engineering organized a two day workshop on 'DESIGN OF SPECIAL STEEL STRUCTURES'. The workshop focused on the design methods used for the design of various steel structures as per IS 800:2007. The course was intended to bring a unified teaching method for the faculty members of different Engineering Colleges as well as to serve as a reference to the practicing Civil Engineers and consultants regarding the current IS specifications and design methods for steel structures. The sessions were carried by Prof. K.P.Narayanan, Head of the Civil Engineering Department, Marian Engineering College and eminent persons from College of Engineering Trivandrum.



*Two day workshop in Civil Department*

## Mechanical Engineering

A Three day workshop on "ADVANCES IN ANSYS" was conducted as a part of faculty development program from 5<sup>th</sup> to 7<sup>th</sup> Dec 2012. MR. JAGET BABU, Assistant Professor, Dept. of Mechanical Engineering CET, Trivandrum trained the staff.

Assistant Professor - MR.JOSEPH. KM, MR.ARUN.S AND MR. MADHAVAN attended a 2-WEEK ISTE workshop on "ENGINEERING THERMODYNAMICS at Mar Basellios College of Engg. Trivandrum conducted by IIT-BOMBAY and sponsored by MHRD, Govt.of India from 11/12/2012 to 21/12/2012.



**Mr. Aneesh.D**  
S8-ME-Silver Medal  
Inter College  
Weight Lifting Competition



**Mr. Ambadi**  
S4 ME  
"Josco Indian  
Voice 2" - Selected

## Parent - Teacher Meeting



## Civil Survey at Appollo Colony



## Alumini Association Meeting







The son of God became a man to enable men to become the sons of God. The gentle spirit of Christmas brings a sense of fresh promise and renewal every year. Christmas at Marian was celebrated on 22nd Dec 2012, where the First year students actively participated in various competitions like Carol Song, Christmas Message, and Crib Competition etc. Prof. Shobha Principal, B.Ed College was the chief guest and gave message for the occasion. The winners of various competitions are:- Carol Song - EC Department; Christmas Message - CE Department; Crib Competition - CE Department. The whole celebration came to an end with Lunch for all Marianites.





## GENETIC ALGORITHM by Mr. Arun J



Every manufacturing industry aims at producing a large number of products within relatively lesser time. But it is felt that reduction in manufacturing time may cause severe quality loss. In order to embrace these two conflicting criteria it is necessary to check quality level of the item either on-line or off-line. The purpose is to check whether quality lies within desired tolerance level which can be accepted by the customers

Surface quality is one of the specified customer requirements for machined parts. There are many parameters that have an effect on surface roughness, but those are difficult to quantify adequately. In finish turning operation many operational parameters such as cutting speed, feed rate, and depth of cut and geometric parameters like nose radius and tool geometries of the tool are known to have a large impact on surface quality. In order to enable manufacturers to maximize their gains from utilizing hard turning, an accurate model of the process must be constructed.

Several statistical modeling techniques have been used to generate models. An attempt can be made to generate a prediction model using Genetic algorithms (GA) based Neural networks for the prediction of surface roughness in turning SS410 material using the uncoated carbide tipped tool.

The genetic algorithm is a probabilistic search algorithm that iteratively transforms a set (called a population) of mathematical objects, each with an associated fitness value, into a new population of offspring objects using the Darwinian principle of natural selection and using operations that are patterned after naturally occurring genetic operations, such as crossover (sexual recombination) and mutation. The neural networks are nonlinear mapping systems consisting of neurons and weighted connection links, which consist of user-defined inputs and produce an output that reflects the information stored in connections during training. A multilayer neural network consists of at least three layers: input, hidden and output layer

This input layer consists of feed, speed, depth of cut, nose radius and the output layer is the average roughness. The weight to the hidden layer and output layer is determined by means of Genetic Algorithm which is a successful attempt to make a model to predict the best machining parameters for a desired surface quality.

## ROLE BASED ACCESS CONTROL MECHANISM IN CLOUD COMPUTING USING CO - OPERATIVE SECONDARY AUTHORIZATION RECYCLING METHOD by Ms. Reerja S.L.



Cloud computing is an emerging area within the field of information technology (IT). It is a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction. Cloud Computing provides the people the way to share distributed resources and services that belongs to different organization or sites. In cloud computing at present there is no authorization recycling approach. The aim of the work is to develop an authorization recycling approach using CSAR (Co-operative Secondary Authorization Recycling) in Cloud computing Systems. By this each application server recycles previously received authorizations and shares them with other application servers to mask authorization server failures and network delays. The CSAR approach exploits the increased hit rate offered by a co-operative cache of access control

decisions. The CSAR supports approximate authorizations that are not precached and must be computed dynamically. The authorizations from other SDPs need to be verified to ensure authenticity, integrity, and correctness. With role-based access control, access decisions are based on the roles that individual users have as part of an organization. The process of defining roles should be based on a thorough analysis of how an organization operates and should include input from a wide spectrum of users in an organization. This is performed by using a simulation tool known as CloudSim. It provides basic classes for describing data centers, virtual machines, applications, users, computational resources, and policies for management of diverse parts of the system. In Cloud Computing only one authorization server is present. Architectures of modern access control solutions are based on the request-response paradigm. PDPs are commonly implemented as logically centralized authorization servers, providing important benefits: consistent policy enforcement across multiple PEPs and reduced administration costs of authorization policies. As with all centralized architectures, this architecture has two critical drawbacks: the PDP is a single point of failure, as well as a potential performance bottleneck.

1. The single point of failure property of the PDP leads to reduced availability: the authorization server may not be reachable due to a failure of the network, of the software located in the critical path (e.g., OS), of the hardware, or even from a misconfiguration of the supporting infrastructure
2. In a massive-scale enterprise system with nontrivial authorization policies, making authorization decisions is often computationally expensive due to the complexity of the policies involved and the large size of the resource and user populations. Thus, the centralized PDP often becomes a performance bottleneck. Additionally, the communication delay between the PEP and the PDP can make authorization overhead prohibitively high.

Qiang Wei et al (2009) introduces an approach where SDPs cooperate to serve all PEPs in a community of applications. This SDP cooperation further improves the resilience of the authorization infrastructure to network and authorization server failures and reduces the delay in producing authorizations. This approach is applicable to the cloud computing systems and distributed systems involving either cooperating parties, such as Grid systems, such as load-balanced clusters. Cooperating parties usually have similar users and resources and use centralized authorization servers to enforce consistent access control policies. Therefore, authorizations can often be shared among parties or services, bringing benefits to each other. Traditional authorization mechanisms based on the request-response model are generally supported by point-to-point communication between applications and authorization servers. In a massive-scale enterprise system with nontrivial authorization policies, making authorization decisions is often computationally expensive due to the complexity of the policies involved and the large size of the resource and user populations. Thus, the centralized PDP often becomes a performance bottleneck. Additionally, the communication delay between the PEP and the PDP can make authorization overhead prohibitively high. The state-of-the-practice approach to improving overall system availability and reducing authorization processing delays observed by the client is to cache authorizations at each PEP—what we refer to as authorization recycling. Existing authorization solutions commonly provide PEP-side caching. These solutions, however, only employ a simple form of authorization recycling: a cached authorization is reused only if the authorization request in question exactly matches the original request for which the authorization was made so in such case reuse as precise recycling.

### SYSTEM DESIGN

The CSAR deployment contains multiple PEPs, SDPs, and one PDP. Each SDP is host collocated with its PEP at an application server. Both the PEP and SDP are either part of the application or of the underlying middleware. The PDP is located at the authorization server and provides authorization decisions to all applications. The PEPs mediate the application requests from clients, generate authorization requests from application requests, and enforce the authorization decisions made by either the PDP or SDPs.

For increased availability and lower load on the central PDP, this design exploits the cooperation between SDPs. Each SDP computes responses to requests from its PEP and can participate in computing responses to requests from other SDPs. Thus, authorization requests and responses are transferred not only between the application server and the authorization server but also between cooperating application servers. CSAR is configurable to optimize the performance requirements of each individual deployment. Depending on the specific application, geographic distribution, and network characteristics of each individual deployment, performance objectives can vary from reducing the overall load on the PDP to minimizing client-perceived latency and to minimizing the network traffic generated. Cloud computing is a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources that can be rapidly provisioned and released with minimal management effort or service provider interaction. So security plays an important role in this. At present there is no Discovery Service for authorization recycling in Cloud Computing. The Policy Decision Point and Secondary Decision Point will cache the authorization details. This work is performed using a Simulation tool known as CloudSim. In future the Role Based Access Control Mechanism in Cloud Computing using CSAR can be performed in realistic environment.



## Mathematics - A Glimpse to the life of "Srinivasa Ramanujan" Dr. J W Christal Flory



Srinivasa Ramanuja Iyengar FRS, better known as Srinivasa Ramanujan was born on 22nd December 1887 in Erode, Tamil Nadu. He was one of the greatest mathematicians of all times. The year 2012 marks his 125th birth anniversary and is declared National Mathematical Year.

He achieved merit certificates and awards throughout his school days. He used to complete Mathematics examination in half the allotted time. At the age of 17 he developed and investigated Bernoulli's numbers and had calculated Euler's constant upto 15 decimal places.

In the year 1914 Ramanujan reached Cambridge. He spent nearly 5 years there and in December 1917 he was elected to the London

Mathematical Society. He was the 2nd Indian to become a Fellow of the Royal Society in 1918 and he became one of the youngest fellows in the entire history of the Royal Society. He was elected for his investigation in Elliptic Function and Theory of numbers. On 13th October 1918 he became the first Indian to be elected as Fellow of Trinity College, Cambridge.

When Ramanujan was in India he recorded the bulk of his results in four note books of loose leaflets of paper. Since paper was very expensive Ramanujan did most of his works and perhaps his proofs on slate and then transferred just the results to paper. (This is the origin of misconception that Ramanujan was unable to prove the results, and simply coined up the final results directly. During those he was financially very poor.

The number 1729 is known as Hardy-Ramanujan number. It is the smallest non-trivial number representable in two ways as a sum of two cubes.

$$1729 = 1^3 + 12^3 = 9^3 + 10^3$$

Also 1729 is the product 3 prime numbers  $1729 = 7 \times 13 \times 19$

Ramanujan suffered a lot because of his ill- health and at the age of 32 he breathed his last , in the year 1920.

During his short life span Ramanujan independently compiled nearly 3900 results mostly identities and equations. His results like Ramanujan Prime and Ramanujan Theta functions inspired vast amount of further research. Recently his formulae have found application in crystallography and spring theory.

A prize for young mathematicians from developing countries has been created in the name of Ramanujan by the International Center for Theoretical Physics (ICTP) in cooperation with the International Mathematical Union. During the year 1987(100th year of birth) the printed form of Ramanujan's 'Lost Note Book' by the Narosa publishing house of Springer – Verlag was released by the Late Indian Prime Minister Rajiv Gandhi.

The Ramanujan Journal, an international publication was launched to publish work in all areas of Mathematics influenced by his work.

## GENERAL BODY MEETING OF ALUMNI ASSOCIATION - MECCA 2012

The second Alumni meeting of Marian Engineering College was held at 11.00 AM on Saturday, 22<sup>nd</sup> Dec, 2012 at CGPU hall. Together with the Manager, Rev. Msgr. A. George Paul, Coordinator of Alumni Association, Prof. Dr. M. Sasikumar and Prof. Dhananjayan, nineteen members participated in the meeting. Dr. M. Sasikumar welcomed the audience. He also gave a report of our association from its very inception. In his introductory talk Manager thanked the participants who came on time even from far-off places, in spite of their busy schedule, in the available limited Christmas holidays. He reasserted that Marian college is our Alma Mater and all should feel happy to come back to one's home since we are all, members of one Marian Family. He insisted the members to drop-in whenever they bypass Trivandrum. Prof. Dhananjayan in his sharing session touched on areas where Alumina can contribute positively in the development of Marian College. This was followed by a common sharing session in which all members freely shared their views. This can be summed up as follows.

1. In our earlier meetings members have already decided to come over to Marian and give orientation classes to students and motivate them on industry and placement opportunities. Mr. Abin.N.A. reported that one day he reached here and gave an orientation programme to 3<sup>rd</sup> semester students of MEC. Mr. Subin Manoj then promised to give an orientation programme to the students at the earliest. A few of them reported that they already came and others promised to come within one or two months. It was suggested that from S1S2 onwards we have to motivate the students, set erect their mind setup and foster their good qualities to come up as distinctive professionals.
2. Interdepartmental activities must be encouraged and this will help them to learn new things, share knowledge and open the avenues for research and inventions.
3. Suggested that students must be encouraged to do live projects within the campus with entrepreneurship interest so that they may find job opportunities by themselves and persons of such caliber would be picked up by industries.
4. Provide training sessions for both Staff and students to get updated in recent technologies.
5. Nurture talents from fifth semester like giving GATE coaching.
6. To give more exposure to students by allowing them to develop a software for the college-Card Reading.
7. Govt. jobs are still available in many branches and students should be encouraged to opt for Govt. jobs also.
8. Members noticed that year after year the number of participants in alumni meeting is not increasing. Hence the members suggested that we have to concentrate on recent pass outs. Find peer groups, so that pass out will be more interested to attend such meetings.
9. Alumni meeting should be renamed as "HOME COMING" so as to bring a family feeling among all. In this context it was suggested that along with alumni meeting, staff alumni meeting should also be conducted as these students would like to meet also their staff members.
10. It was suggested that Alumni Association can build up its identity only by initiating a glittering programme for our college. Members felt that recognizing meritorious students with awards on behalf of Alumni Association would be a befitting undertaking. However the members felt that we do not have the fund to initiate such a programme at this stage. A suggestion put forward by the members is that the management gives the next meritorious students' award on behalf of Alumni Association and this can be taken up by Alumni in the following year. The Manager who was present on the dais accepted the proposal.

At this stage Manager intervened the discussion and said that he is so happy to see that members have given very valuable and practical suggestions. He thanked them. As usual members would wind up and go and the question comes, who will follow these suggestions and implement them. Then it was suggested that as part of getting better cooperation from alumni, first of all, we have to prepare a good report of this meeting and place the same in our website with necessary photos. Secondly the members included Mr. Manu Cyriac and Vishnu Govind in the Marian College Alumni Executive team. They promised to have an executive meeting in Jan. 2013 and take up the suggestions and start implementing them. Finally Dr. M. Sasikumar proposed the vote of thanks and concluded the session.



Alumini Meeting





Loveena Samuel  
S12 A

She can hold on and give importance to all. But she do have limits at times due to reasons like non availability of time, tired ness after hectic classes and intense pressure given by college on academics so as to score better and to excel better in this competitive world. She says "of course in today's world a person can be called as an all-rounder only if he could manage all these at once and I do try my maximum to give importance to all because I do believe all these are part and parcel of our life. In today's world each and every one are running at a fast pace so as to get success. Each and every one is getting only 24 hours a day and it totally depends on how one makes use of the time. That is whether productively or the other way around. So I believe one can hold on all these if one has only thing, which is 'ATTITUDE'. If you have right attitude, we can hold all these and make this challenging life more exciting."



Gopika Prabhakaran  
S12 B Batch

She is able to manage her studies along with entertainment, fashion etc. She says "if we are studying without any entertainment, hectic schedule can mentally affect a person. College life has a great influence on one's life. In our life we need to give priority to studies at the same time we need entertainment also. School and college life has great influence on one's life. It shapes one's character."



Elsa John  
S12 C

She can hold on to academics, fashion and entertainment. For her the campus life is the most beautiful time of once life. She believes that loving, caring, sharing and enjoy the days with friends must also go hand in hand when you really are living your life. She follows her the words what Helen Keller once said 'Life is either a daring adventure or nothing'. She says "Life is a mixture of happiness, sadness, thrill, adventure, surprise and all those things that make you feel alive. I don't think that a book worm & leading a nerd's life is going to get you anywhere in life. To be practical in life, to face the obstacles that life offers, we need to be more confident, having someone to love, care, share, friends, and family, all this is life. To take on the chills & thrills of life, we need to be more daring. Life is meant to be lived to its fullest, especially your campus moments, so live on!"



Kevin Geo Thomas  
S12 D

If you want to live in precious facilities,  
If you want to marry your lover and want a happy life with her,  
If you want to give better facilities to your parents,  
You must need a very good job...for that you have to study well.  
Make your wishes as your aims.

If you have a lover and you think I have to live with her, make it as your aim...

Life is to enjoy...

Enjoy each moment of life...

No one needs only marks, ranks etc...

Give your happiness to all...

So utilize your studies for making happiness on the people around you.



Sreeth MS  
S12 E

"When I show commitment to entertainment, love & fashion (mainly love & fashion) my attention towards academics will divert & thus my determination in achieving my aims will also be affected. Being simple will help me to concentrate more. Entertainment is needed in relaxing but when I show more interest to the things which gives me entertainment, I get easily addicted & my laziness will increase."



Aravind Mahadevan  
S12 F

The well experienced faculty at Marian provides a great lecture which helps us study our syllabus without much effort. It helps me to hold on love, entertainment and fashion with academics and give equal importance to all.



Seethy K S  
S12 A

"One can easily say that everybody should be an all-rounder. But the fact is that due to certain circumstances, we are not able to do so. To be good in academics, entertainment fashion etc is not that easy. According to my view, the child should be best in at least one thing. Might be he / she knows to dance, sing or act well, but may be weak in academics. Those students who have got good academics may have lesser other talents. Parents must be able to recognize their children's positive talents and should support them let them to be in their career in those areas where they are good."



Annie Sralin  
S12 B

## Abbreviation of ACADEMICS

A - Attractive life C - Confidence A - Ambitious to life

D - Determination E - Entertainment M - Meaningful life

I - Intimate friends C - Cultural Interaction S - Superb teachers



Arya G R  
S12 C

"In colleges most of children give more importance to fashion, love and entertainment. They will not give any importance to their academics. Academics is important than all others. But it is impossible to hold academics, entertainment, love and fashion. In colleges only we can enjoy our life. i.e. wearing fashionable dresses, taking part in entertainment etc. Entertainments will relax our mind. After our college life when remember the things what we have done in our college, it will be fun to remember all these. So college authorities should encourage children by organizing cultural programs instead of suppressing children."



Gokul Hemanth  
S12 D

I am a kind of person who dedicates my whole mind to a single task, be it anything. Love is something which will consume my whole attention and concentration. So I am trying my level best to avoid it and concentrate more on studies. I love entertainment too. I am a person who can easily be distracted. May be someday I will think about love but not now anyway. I am interested in little bit of fashion but not crazy about it. So, Academics +love combo is certainly something I won't try for a while. Entertainment and fashion are not a problem.



Arsal Vaham  
S12 E

Happy to be a part of this world  
that wants me to climb stairs without turning back  
but the stairs started to ascend its height  
day-by-day, year- by- year waited  
myself to grow tall, to attain the height  
finally decided to celebrate each step,  
but my mind was not completely faithful to wait  
myself know that now I could walk back and forth inorder to pass time  
so jumped six steps back, I was surprised to find my love  
She told me to take her to my life, I told her my world wants me to climb heights  
And said sorry to her, She told me that she was cursed and will be what  
She really is only if I carry her, through the stairs... My commitments started  
Forcing me to climb heights, without taking her..  
But me believed in myself and took her. Now we all are happy.  
Me, she and the commitments, My mind got satisfied  
Like a free bird from enmesh, In anxiety I asked her 'what is your name?'  
She told I am a part of your talent, My name is 'MUSIC'



Antony I Thomas  
S12 D

Love, fashion and entertainment are only subparts, that play a small role to make a student's life happier; this may get into a disaster. Most important thing when we consider for a student's life is his academics and career, for that he must give importance to his academics. Then only other things, which give temporary enjoyment, exist.

## NEWLY APPOINTED FACULTY DURING 2012



Mrs. Fina S. Mahesh  
AP - ECE & AEI



Mrs. Jena Suresh  
AP - ECE & AEI



Mrs. Divya N S  
AP - ECE & AEI



Mr. Alagappa P P  
AP - CE



Mr. Anand R V  
AP - CE



Mr. Ranga C M  
AP - CE



Mr. Anoop V  
AP - ME



Mr. S. Arun  
AP - ME



Mr. Shree Suresh  
AP - ME



Mr. Anoop Karthika C  
AP - ME



Mr. Hala Sreed Wala  
Lecturer - English



Mr. Perry Jena  
Lecturer - Maths



Mr. Laxmi Chandra  
Lecturer - Maths



Mr. Laxmi Chandra  
Lecturer - Maths



Mr. Laxmi Chandra  
Lecturer - Maths



## Salute of Archbishop to Marian's Achievement

Marian Engineering College has marked history on 9th Jan 2013. Our Patron Most Rev. Dr. Soosaipakiam M., Archbishop of Trivandrum blessed our new Research Centre at CGPU, our new bus and the most awaited Boys Hostel within the campus in the very special hour of the New year. Along with our Patron, we had Rt. Rev. Dr. Silvester Ponnuthan, Bishop of Punalur. They congratulated the Marianites for scoring the top most position among all the self financing Engineering Colleges of Kerala University. The 2011 S1S2 batch students have given us the most outstanding and remarkable results. The session started with our Patron and God Almighty. Rev. Msgr. A. George Paul, our beloved Manager welcomed the gathering, and had expressed his sincere gratitude towards the staff and students and appreciated the Principal's tireless efforts. Most Rev. Dr. M. Soosaipakiam delivered the

*Archbishop congratulates Staff and Students*

New Year address by congratulating the students and mentioned the wonderful essence of discipline in the college. The Patron has gone through the strengths of Marian and the areas for improvement, followed by honoring some of the eminent personalities of Marian. Prof. Tomy Michael, Principal was honored with Ponnada for introducing the new miracle software "INSIGHT" that has changed the life style of both students and staff of Marian. Prof. Chandrasekhara Pillai, Physics HOD was honored with Ponnada for his sincerity and dedication towards the first years. Dr. M. R. Gopalakrishnan Nair was honored for achieving the unique title of "Sir Isaac Newton Scientific Award of Excellence for 2012". Mr. Xavier P., Mr. Sivankutty, Mr. Festus and Mr. Das were honored by the Patron by giving them special gifts on behalf of Marian family. Rt. Rev. Dr. Silvester Ponnuthan addressed the gathering by appreciating the group work of the staff and students. Rev. Fr. John concluded the whole session by delivering the Vote of Thanks.

### First Year Orientation Programme



*Rev. Fr. Joy James, conducting program on How to Become a Good Professional for the Benefit of Mankind.*

### Faculty Development Programme



*Dr. Radhakrishnan, Joint Director, Technical Education handling FDP for staff*

### STAFF TOUR



## Thought of the year - The jar of life - Stones, pebbles and sand

One day, an old professor of the School of Public Management in France, was invited to lecture on the topic of "Efficient Time Management" in front of a group of 15 executive managers representing the largest, most successful companies in America. The lecture was one in a series of 5 lectures conducted in one day, and the old professor was given 1 hr for lecture. Standing in front of this group of elite managers, who were willing to write down every word that would come out of the famous professor's mouth, the professor slowly met eyes with each manager, one by one, and finally said, "we are going to conduct an experiment". - jar of rocks - From under the table that stood between the professor and the listeners, the professor pulled out a big glass jar and gently placed it in front of him. Next, he pulled out from under the table a bag of stones, each the size of a tennis ball, and placed the stones one by one in the jar. He did so until there was no room to add another stone in the jar. Lifting his gaze to the managers, the professor asked, "Is the jar full?" The managers replied, "Yes". The professor paused for a moment, and replied, "Really?"

Once again, he reached under the table and pulled out a bag full of pebbles. Carefully, the professor poured the pebbles in and slightly rattled the jar, allowing the pebbles to slip through the larger stones, until they settled at the bottom. Again, the professor lifted his gaze to his audience and asked, "Is the jar full?" At this point, the managers began to understand his intentions. One replied, "apparently not!" "Correct", replied the old professor, now pulling out a bag of sand from under the table. Cautiously, the professor poured the sand into the jar. The sand filled up the spaces between the stones and the pebbles. Yet again, the professor asked, "Is the jar full?" Without hesitation, the entire group of students replied in unison, "NO!" "Correct", replied the professor. And as was expected by the students, the professor reached for the pitcher of water that was on the table, and poured water in the jar until it was absolutely full. The professor now lifted his gaze once again and asked, "What great truth can we surmise from this experiment?" With his thoughts on the lecture topic, one manager quickly replied, "We learn that as full as our schedules may appear, if we only increase our effort, it is always possible to add more meetings and tasks." "No", replied the professor. The great truth that we can conclude from this experiment is: If we don't put all the larger stones in the jar first, we will never be able to fit all of them later. The auditorium fell silent, as every manager processed the significance of the professor's words in their entirety. The old professor continued, "What are the large stones in your life? Health? Family? Friends? Your goals? Doing what you love? Fighting for a Cause? Taking time for yourself?"

What we must remember is that it is most important to include the larger stones in our lives, because if we don't do so, we are likely to miss out on life altogether. If we give priority to the smaller things in life (pebbles & sand), our lives will be filled up with less important things, leaving little or no time for the things in our lives that are most important to us. Because of this, never forget to ask yourself, What are the Large Stones in your Life? And once you identify them, be sure to put them first in your "Jar of Life". With a warm wave of his hand, the professor bid farewell to the managers, and slowly walked out of the room.



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click the "TRACK A STUDENT" button and login using his/her admission no and his / her date of birth