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**Principal's Message**

Newsletters are the medium through which the activities of the institution gets highlighted among various stake holders. Electronically publishing the newsletter makes the whole process almost cost free. In this context, I feel that it is high time that the news letter in the electronic version is brought out every month. Let every incident, function and reasons to celebrate reach the stake holders. In the last three months quite a lot of things have happened in the institution, the editor might have found it difficult to condense the whole thing in four pages. The commendable way the college union elections were held must be lauded. The present union under the leadership of Sri Ananthu is doing a wonderful job. I am sure that with the enthusiasm and passion with which the entire team is working, this year we will have lot of wonderful programmes in the institution. The association with Mercedes Benz and the new M.Tech programme in Translational Engineering is giving good visibility to the institution at the national level. Thanks to TEQIP, one can find a host of training programmes and student workshops organized in the institution. The newly inaugurated TBI together with CERD Innovation centre will change the game and it is possible that institution will become an innovation hub in the days to come. The support offered by PTA to various activities of the institution is worth special mention. I take this opportunity to congratulate the students who topped the University exams and made our institution as the top ranker in the University. The efforts put in by our students to participate in the Shell Eco marathon and experience gained from the international competition will go a long way in giving the institution international visibility. The placement scene also appears rosy. With the signing up of MoU with ICT academy, training and placement in IT front looks brighter. Last but not the least, let us not forget that team work makes a big difference in the outcome. It is essential that we find areas of cooperation among all sections and work as a team for the benefit of the institution.

**Dr. B. Anil****Vision**

*We envision ourselves growing into an institute of global stature which nurtures inquisitive young minds, fosters innovative research and reaches out to society at large—all the while incessantly improving upon itself.*

**Mission**

*To mould a quality professional with integrity and sense value on each aspiring technocrat by imparting a sound knowledge of Technical fundamentals and the ability to approach complex technical problems with good judgment and objectivity.*

**New Innovation : Car with 200 km per litre mileage !**

Three S6 Mechanical Engineering students of our college Bibin Sagaram , Ronith Stanly and S Vishnu Prasad have designed and developed a prototype vehicle which runs more than 200 kilometers per litre of petrol. This was shipped for the International Fuel Efficiency Contest, "Shell Eco Marathon", held at Philippines Feb 26.th to March 1st. The vehicle is powered by a Honda GX35 engine and uses light weight materials, advanced aerodynamic techniques besides advanced tuning for extreme efficiency. The vehicle can take one passenger and has two wheels in the front end and one at the rear. The vehicle weighs around just 50 kilograms The project was undertaken under the guidance of Prof. Santhosh Kumar and Prof. Anver Sadath and supported by KSCSTE.

**Every job is a self –portrait of the person who do it. Autograph your work with excellence!**

## Excellence Award



Anandu S B of S8 Mechanical Engineering won the Mar Baselios Youth Excellence award for 'the most promising engineering student of Kerala'. He was awarded with cash prize of Rs. 1 lakh along with memento and certificate.

## University Rank



Harikrishnan R of Electrical and Electronics Engineering department 2010-14 batch, secured 2nd rank in Kerala University B. Tech degree examination

with a CGPA of 9.21.

## Workshops for Students

- ◆ A workshop on robotics, 'Senzobotz' was organised by the dept. of Electrical and Electronics Engineering on 10th and 11th of January 2015.
- ◆ Humanoid Robotics workshop 'Biped Botix', was conducted on 17th and 18th January 2015 by dept. of Mechanical Engineering .
- ◆ Bridge Design and Fabrication workshop was organised by the dept. of Civil engineering on 24th and 25th January 2015.



## Space week celebration

The International Space Week celebrations were organized in our college from 4th to 10th of October. As part of it, the college organized students' visit to VSSC , Thumba. A water rocket competition was organized by students of Mechanical Engineering Dept. A talk by Dr. S Unnikrishnan , on Contemporary Space Expedition was held on Oct. 10

## STTPs Coordinated

- ◆ Short term training program on 'Software Testing' was organized by Prof. Balu John, Prof. Anoop S K M and Prof. Manju R of Department of Information Technology from 27-31 October 2014.
- ◆ A two day workshop on 'Microteaching' was organized by Prof. Manju R and Prof. Sangeetha U of IT dept. on 21 and 22 October 2014.

## Run Kerala Run

GECB was one among the educational institutions which participated in the Run Kerala Run marathon held on 20th Jan 2015 ,organized as a part of the promotional activities of National Games 2015 . Event was flagged off by principal Dr. B Anil. More than 500 students from our college participated in the event.



## Internships

- ◆ 10 students of EEE dept. attended Internships at L&T Ltd. ,at Ooty from 10 to 12 September 2014.
- ◆ Jijo Xavier of S6 IT attended the internship program at KEL-TRON , Karakulam from 17 to 21 November 2014.
- ◆ 11 students of S6 CE attended internships at Kochi Metro Rail Corporation , Under L&T constructions ltd. from 31 December 2014 to 5 January 2015.

## Students Welfare Centre

The students welfare centre headed by Prof. H Anasarudeen of EEE dept. organized an awareness class for S1S2 students . Also planning to give counseling to all students including PG students.

## Christmas Celebration



Christmas was celebrated in our college with its true spirit on 19 December 2014. College premises were decorated. Various competitions were organized among students. Cake and sweets were distributed among staff

## ISTE -GECB

ISTE chapter of Government Engineering College, Barton Hill was awarded the best emerging chapter in Kerala section by Ms. Sheela Dhikshit, Governor of Kerala



## NSS GECB UNIT

- ◆ A blood donation camp for RCC was held on 21 Sept 2014.
- ◆ Orientation class on 'Leadership Quality' by Mr. Brahmanayakam was conducted on 25 Aug 2014.
- ◆ NSS annual 7 day camp was held from 18-24 Dec 2014.
- ◆ Launched a program 'Vidyuth', to teach the students at LMS polio home, Palayam.
- ◆ Donated stationary items collected from our college students to the inmates at Anadanilayam, Manacaud.
- ◆ Launched an initiative 'Thaliru' to make a vegetable garden in the college campus.

## Publications

- ◆ Girija K and Devdas Menon "Load Deflection behavior of slender reinforced concrete beams" Indian Concrete Journal, Nov.2014, Vol.88, No. 11,pp 51-61.
- ◆ Jiji Anna Varughese, Devdas menon and A Meher Prasad,"Load Distribution patterns for displacement based seismic design of RC framed buildings" Journal of the Institution of Engineers(India): Seris A, (October -December 2014) Vol 95 No. 4, pp 211-219
- ◆ Mathew John, Hari Vijayan V. S, Akash Rajan, Jayaraj Kochupillai," FE Modeling of piezoelectrics for vibration control of flexible structures" International Congress on Computational Mechanics and Simulation, 10-13 December 2014, Chennai, India Page Nos 1150-1159
- ◆ Anila Anna Samson, Preetha prabhakaran and GIRIJA K "Performance Of Shear Wall Building During Seismic Excitations" International Conference On Emerging Trends In Engineering And Management,Icetem'14, Sreenarayana Gurukulam College Of Engineering
- ◆ Shefna L Sunamy, Binu P and Dr. Girija K, "Progressive collapse analysis of a reinforced concrete frame building" International Conference On Emerging Trends In Engineering And Management,Icetem'14, Sreenarayana Gurukulam College Of Engineering
- ◆ Jayasree P, Meenakshi Sharma "POLVM:Parallel Optimized Live VM Migration"2014 IEEE International Conference On Computational Intelligence And Computing Research 2014 Dec 18 To 20 PARK College of Engineering and Technology
- ◆ Jiji Anna Varughese, Annu Cherian, "Slab Contribution for Overstrength factor in Capacity based design" 2nd International Conference on mechanics, Materials and Management, College of Engineering, Trivandrum 17-19 December 2014 pp 435-439

## Achievements of Students

- ◆ Jayakumar P K of S4 ME won 3rd prize for State Level Jr. Archery and was selected for national level participation.
- ◆ Ajmal Shah of S8 EEE won the 1st position in Deep Mining Hardware debugging competition conducted during 'Colloquium 2014' at Mohandas College of Engineering and Technology.
- ◆ Lijeesh Mathew became the winner of 'Skill Connect' conducted by Networkz Systems on October 2014.
- ◆ Arathy S Nair of S1S2 IT won bronze medal for Women's Feather Weight fixture in the kerala university intercollegiate boxing championship.

## Republic Day Celebrations



The 66th republic day of our nation was celebrated in our college on 26th January 2015. Our Principal Dr. B Anil hoisted the national flag and delivered the republic day message.

## College Union Members

The union election was on January 16th .The elected members are

- ◆ Chairman : Anandu S.B , S8 ME
- ◆ Vice Chairperson : Anjana C , S8 ECE
- ◆ General Secretary : Bijay J , S8 ECE
- ◆ Arts Club Secretary : Ajith Vijayan , S8 ECE
- ◆ Magazine Editor : Vishnu T , S6 CE
- ◆ UUCs : M Aneesh Appukuttan , S8 ME  
Amal A , S4 ME
- ◆ Lady Rep : Geethu S, S4 ECE  
Akhila Mohan , S4 EC
- ◆ Civil Assn Rep: Gopika Prakash , S6 CE
- ◆ Mechanical Assn Rep: Anjith J Nair , S6 ME
- ◆ EC Assn Rep: Akhil M Kurup , S4 ECE
- ◆ EEE Assn Rep: Sreejith G R, S4 EEE
- ◆ IT Assn Rep : S Anantha Padmanabhan , S4 IT
- ◆ 1st yr Rep : Rameesh Roshan P, S1S2 ME
- ◆ 2nd yr Rep : Aravind A , S4 IT
- ◆ 3rd yr Rep : Sandeep S , S6 IT
- ◆ 4th yr Rep: Parameswaran B , S8 ME

## CGPU

Out of 213 eligible students, 163 students got placements through CGPU. Among them, 143 students placed in IT companies like TCS, CTS, Cape Gemini, QBurst and Nest. And 52 students placed in Non-IT companies like MRF,

## TBI –GECBH



TBI-GECBH was inaugurated on 8<sup>th</sup> December 2015 by Shri PH Kurian, Principal Secretary to Govt. of Kerala, IT Dept. Inaugural function was followed by round table –brain storming session from expert mentor group consisting of Dr. Jayasankar Prasad, CEO Technopark, TVPM, Shri. Ramesh C Dutt, Founder director of Software technology parks in India, Dr K C Chandrasekharan Nair, Principal consultant KITCO Ltd, Shri. Sanjay Vijaykumar, Chairman Start up village, Dr Ajith Prabhu, Joint director KSCSTE. About 150 students and 40 faculty members attended the program

## Training Programmes Attended

- ◆ Safety Awareness Programme at Shastra Bhavan on 14 –01-2015 by Prof. Divya Chandran and Prof. Kiran C J (CE) .
- ◆ 5 day training program on Computational Dynamics from 1—5 Sept. 2014 by Dr. Jiji Anna Varghese and Prof. Kiran C J (CE)
- ◆ Annual Workshop on National Knowledge Network at IIT Guwahati from 15-17 Dec 2014 by Prof. Balu John (IT) and Dr. B. Anil
- ◆ FDP on ‘Outcome Based Learning and Teaching’ at CET from 31 Oct - 1 Nov 2014. by Dr. Biji Jacob , Prof. Josna V R , Prof. Minu R Nath. (IT)
- ◆ CEP course on Energy Management at IIT Bombay from 24-28 Nov 2014. by Prof. Santhosh Kumar S U (ME)
- ◆ Program on ‘Good Governance , Leadership and Management’ at NPC 12 and 13 Oct 2014. by Dr. B Anil.
- ◆ ‘Web application Development using JAVA’ at CDAC , Technopark from 24 Nov 2014 to 20 Dec 2014. by Ms. Gijimole M and Ms. Sree Divya R S (IT).
- ◆ ‘Automotive Mechanics’ at Mercedes Benz, Pune by Prof. Anu Mohammed and Prof. Gopakumar S . (ADAM)
- ◆ ‘System Admin Training on QEEE software Usage’ at IIT Madras on 12 Dec 2014 by Mr. Jeejo M Thankappan (IT)
- ◆ ‘Data Structures and Algorithm Design Techniques’ at LBSTW, Poojapura by Prof. Manju R , Prof. Sangeetha U and Prof Mala J B (IT).
- ◆ ‘Safety Requirements for Engineering Institutions’ at CUSAT from 21-23 Jan 2015 by Dr. A Dorothy (ECE) and Prof. Anver Sadath (ME).
- ◆ Program on ‘Hi-Impact Leadership’ nat NPC from 28 to 30 January 2015 by Prof. Remesh S (ME) and Prof. Ansrudhene (EEE)
- ◆ Training on “ HVDC Transmission systems” at National Power Training Institute , Bangalore, from 27 to 31 Oct 2014. by Prof. Vinod V and Prof. Monish M (EEE) .
- ◆ ‘Recent Advances in Biomedical Engineering’ at CET 10—15 Nov. 2014 by Prof. Shalini A P (EEE).