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INSIDE THIS ISSUE

- eOutreach
- TechFest
- TEQIP Workshops & Seminars
- Alumni
- Finishing School
- IEEE Activities
- MoU
- Meeting with Mentor
- Important Events
- Research Publications
- Training Programmes Attended
- Step 4 U
- Expert Talks

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From the Editor's Desk

I am very pleased to present you the third edition of our college newsletter. Within these pages you will find many news related to diverse activities from the whole College community. You can see the contributions from Faculties, Technical Staff, Administrative staff and others. I hope everyone will find this newsletter exciting and interesting. Please feel free to drop in your comments/suggestions to remeshbabu@yahoo.com.

Wishing you a very happy and prosperous New Academic Year 2013-14.

K R Remesh Babu



Principal's Message



Dear friends,
Monsoon rains are back at Idukki. So is the mist that covers the lofty mountain ranges. The incessant drizzling and whistling noise of storm provide feast to our eyes and ears. All the semester classes begin in July in this blissful atmosphere altogether, ideal for academics. Only Govt. Engineering College, Idukki can boast of such a natural boon. Added with TEQIP funds, the possibilities of reaching high in academics and research are immense. Grab this opportunity in both hands and embrace success. Wish you all a happy new semester.

Dr. Jayanand B

Newsletter Released



Second issue of the Newsletter was released on 25th of February 2013. Dr. A Veeraraghavan, our BOG Chairman & Dean, IIT Madras released the same in the presence of Dr. Santhakumari, Senior Joint Director and Dr. K P P Pillai, former DTE and our BoG Member.

Vision

To be a center of excellence in technical education with social and ecological commitment in service of nation.

Mission

To impart quality education with values and equip youth to learn and apply technology in service to humanity

The only true wisdom is in knowing you know nothing

TEQIP Progress

The sixth BOG meeting was conducted on 25th February, 2013. Several suggestions were given in the BOG meeting. Maintenance cell at institute level, Alumni association, etc are some of recommendations from BoG. These recommendations are implemented. The BOG members expressed satisfaction over the various State Government funded construction projects progressing in the campus. 40 computers in the Institute got repaired in connection with the in-house training programme on PC Trouble shooting, organized under TEQIP. The members appreciated the effort and suggested to conduct similar courses in future.

New TEQIP Team

Due to general transfer the college formed new TEQIP team for this academic year. Following are the new office bearers. Dr. Abhilash Suryan, AP (ME) - TEQIP Coordinator, Prof. K R Remesh Babu, AP (IT) - Academic Nodal Officer, Prof. Lakshmi J Mohan, AP (IT) - Procurement Nodal Officer, Prof. I M Chandran, Assoc. Prof (ME) - Financial Nodal Officer, Prof. Josna V R, AP(IT) - EAP Nodal Officer, Prof. Anooob Sebastian, AP(CE) - Civil works Nodal Officer are in the new team.

Technical Fest



The technical fest of the college called Advaya, was celebrated with vivid programmes. The Advaya was inaugurated on 21st March 2013 by Ms. Amitha Ajith. She was 'Young Scientist Award' winner for Biotechnology, Government of Kerala, Congress-2012 for the study .

eOUTREACH PROGRAMME

GEC Idukki is one of the eOUTREACH Programme Remote Center of Indian Institute of Technology (IIT) Bombay. This is an important initiative taken by IIT Bombay to work with Engineering Colleges in the country to enhance the teaching skills of faculty colleagues in core Engineering and Science subjects, under the project, "Empowerment of Students & Teachers through Synchronous & Asynchronous Instruction." This initiative is a part of the National Mission on Education through Information and Communication Technology (ICT) supported by Ministry of Human Resource and Development. In the backdrop of the success of previous workshops, the GECE participated in two two-week ISTE workshops in May and June 2013 on Database Management Systems and Analog Electronics respectively.

The DBMS workshops was coordinated by Sri. K R Remesh Babu, AP (IT) from 21st to 31st May 2013 & and the Analog Electronics workshop was coordinated by Sri. R Sivakumar, AP (ECE) from 4th to 14th June, 2013.

TEQIP Sponsored STTP & Workshops

Following TEQIP sponsored Short Term Training Programmes and Workshops were successfully conducted in the college for external as well as internal participants.

- Smt. Anu Geroge, AP (EC) coordinated and conducted One day workshop on " Strategic Human Resource Management for Academic Institutions", March 5, 2013.
- Dr. N V Sobhana, Prof (CSE) coordinated STTP on "Hands on training in IBM Software Architect", 30 April to 3 May, 2013.
- Sri. Vigilkumar V V, AP(IT), Smt. Mala J B, AP(IT), and Sri. Shijin Knox, AP(IT) coordinated STTP on "Internetworking", 24th to 30th June 2013.

New Modernized Language Lab

Modernized language lab was inaugurated on 9th April 2013 by Idukki Sub collector Sri. Muhammed Y Safarulla, IAS. The new lab consists of 30 systems.

Alumni Association

GECE formed an alumni association with staff coordinator Prof. Sudin S, AP (Maths). The first meeting of the Alumni was held at CD centre Kalamassery on May 12, 2013. The meeting elected the following persons as office bearers. Sri. Vishakh B (President), Sri. Riyaz P A (Secretary), Smt. Shafeena A M (Treasurer), Sri. Shyam Pearson (Vice President) and Sri. Ashok N (Joint Secretary).

Step 4 U Programmes

- "Group Discussion" by Prof. Moncy K M, Ilahiya Group of Institutions, Muvattupuzha on March 9, 2013.
- "Communication Skill" by Dr. Issac Thomas, President ASK (Academy for Attitude Skills & Knowledge), Kottayam on March 27, 2013.
- "How to face Interviews" by Prof. Moncy K M, Ilahiya Group of Institutions, Muvattupuzha on March 28, 2013.

Courses for Students

Various workshops and training programmes were conducted for students to improve their academic excellence.

- Sri. Philumon Joseph, AP (CSE), Conducted a Lecture on "Formal Verification, Model Checking Problem, Transition Systems, programme graph and extended transition systems" for M.Tech students, from April 22-24, 2013
- Smt. Anu, AP (EEE) Coordinated workshop on "Renewable Energy", March 18-19, 2013.
- Sri. Shijin Knox, AP (IT) Coordinated Two day workshop on "Cyber Forensics & Child Security", March 15-16, 2013.
- Sri. Aby K Jose, AP (Chemistry) & Sri. Vigilkumar V V, AP (IT) Coordinated One day workshop on "Image Processing & Video Editing", March 15, 2013.

Finishing School



For the outgoing IT and CSE students an 8 day intensive training programme was conducted under Finishing School.

The course was organized by the department of Information Technology from 25th June 2013 in the college. The programme was on one of the hottest subject of IT field called "Advanced Networking Trends". Even though the classes are over, the final year students participated in the programme with a huge enthusiasm. The course was coordinated by Sri. K R Remesh Babu, AP (IT), Sri. Premkumar, CP (CSE) & Sri. Praveen A N, AP (IT). Two more similar programmes are organized for the coming weeks for EEE and ECE students.

AICTE Approval for New Courses

The AICTE had given sanction for three new courses in our college. The newly approved courses are B. Tech Mechanical Engineering, M Tech Network Engineering and M Tech Embedded Systems. The Government approval for the above courses are under process. We hope that in the current academic year itself the new courses can start .

TEQIP Performance Auditing

Dr. Nagabhushan Rao, the TEQIP auditor visited the college from 16th to 20th April 2013. He actively interacted with the Teaching, Technical, Administrative staff and students during his visit. As per his suggestion, all the staff gave their suggestions for future plans after a group discussion.

Interaction with Mentor

Dr. Ashalatha Thampuram, the Mentor of GECl, visited the college on 20th March 2013. She discussed the TEQIP implementation problems with Faculties, Technical staff as well as Administrative staffs. She also interacted with the B. Tech and M. Tech students to give awareness about TEQIP goals and to know their academic needs.



Send Off

Several members of our college got transferred to other institutions in this academic year. The eminent person in this category was our principal Dr. R Sathikumar, who is transferred to Government Engineering College, Barton hill. Other members are Dr. Thajudeen Ahammed, Prof (ECE), Dr. Sobhana N V, Prof (CSE), Dr. Sajith PP, Asso Prof (ME), Prof. Ramesh A, Asso Prof (ME), Prof. Prasad, Asso Prof (ECE). From EEE, Sri. Binojkumar AC, Sri. Rajesh , Smt. Anu G, from ECE Sri. Sinith M S, From General Engineering and Science Sri. Jineesh P, Sri. Preenu CS are some of the Faculties. Sri. Mathew KK, gold medal winner for athletics also left GECl. This space is not enough to mention the names of our all staffs comprising teaching, technical as well as administrative staff who got transfer. However, GECl will remember all of them their dedication and contribution to GECl. GECl wishes all the best to our transferred GECl'ans.

A creative man is motivated by the desire to achieve, not by the desire to beat others

Expert Talk @ outside

Following members of our college delivered expert lectures in other institutions.

Sri. R Harikumar, AP(EEE), "Computational Tools for Engineering Applications", at GEC Thrissur on June 28, 2013.

Sri.Premkumar MP, CP(CS), "Web Design & Hosting" at GPTC, Kumly on February 6, 2013 and at GPTC Nedumkandam on February 27, 2013 & "Advanced Networking" at GPTC Muttom on March 12, 2013.

Sri. R Anilkumar, AP (CS), "Design of Algorithm", at GPTC Muttom, on March 5, 2013.

Sri. Philumon Joseph, AP (CS) "Digital Image Processing", at GPTC, Kumly on February 6, '13 & at GPTC Nedumkandam on February 27, '13.

Other Important Events

- "Celluloid" the film club of GECl organized a short film screening on 27th February, 2013.
- Orientation classes for 6th and 8th semester students on 27th February, 2013.
- Women's week programmes held on 25th to 28th February, 2013.

MoU with IBM

In order to emerge as one of the competent entities in the academic circles in research and development in the area of Information Technology; Opportunity to be recognized by the industry and academic circles as one of the preferred locations for acquiring training and skill development in latest technology and software; Opportunity to utilize the Program to train students on IBM Software products and technologies; Opportunity for the faculties from CSE, IT and PG Students to design world class curriculum capable of delivering the caliber of IT skills required at present and also for the future; Opportunity for students to avail IBM Certification, GECl signed MoU with IBM. As part of this CSE Department conducted a STTP on Rational Rose for internal as well as external faculties of various engineering colleges under Mahatma Gandhi University from 30th April to 3 May 2013.

Retirement



On the occasion of send-off function of Sri. K G Sasi, Senior Superintendent on 21st June 2013.

Research Publications

- R S Sreedivya, Instr Gr.II (IT): "Online Intrusion Alert Aggregation Using Genetic Algorithm in HIDS", International Conference on Computing and Communication Technologies, ICCCT'13, Nattakom, March 1, 2013.
- Abhilash Suryan, AP (ME): "Numerical analysis on thermo-fluid dynamic behavior of hydrogen gas during fast high pressure filling", Journal of Mechanical Science and Technology, Springer, (2013) 27 (2), 567-573, DOI: 10.1007/s12206-012-1233-6.
- Abhilash Suryan, AP (ME) and Heuy Dong Kim, "A Numerical Study on Fast Charging and Discharging of a High Pressure Composite Hydrogen Tank", 4th AJWTFS, 4th Asian Joint Workshop on Thermo-physics and Fluid Science, Busan, South Korea, October 14-17, 2012.
- Sivakumar R, AP (EC): "Non Invasive Abnormality detection in Tissue Optical Phantoms Using Transillumination Technique", IEEE International Multi conference on Automation, Computing, Control, Communication and Compresses Sensing, Pala, March 22-23, 2013.
- K R Remesh Babu, AP (IT): "Green Cloud Environmental Infrastructure", National Conference on Recent Innovations in Science and Technology, Kottayam, April 26-27, 2013.
- Vinodkumar AP (Maths) "ZnO-Modified MoO₃ Nano-Rods, -Wires, -Belts and -Tubes: Photophysical and Nonlinear Optical Properties", The Journal of Physical Chemistry C, 2013, 117 (15), pp 7818-7829.

IEEE Activities

The activities of IEEE cell started with a workshop on 26th February 2013. Mr. Shahim Baker, Coordinator, IEEE Cochin Subsection, & Vijay S Paul, Coordinator, Electronics & Communication Department IEEE, Cochin Subsection jointly inaugurated the workshop.

Expert Talk

- Expert talk by Dr. K P P Pillai, for M Tech (Power Systems) students on 25 February, 2013.
- Expert talk on Automata verification on April 22nd and 23rd April, 2013 by Dr. Deepak D' Souza, IISc Bangalore.
- Expert talk on Formal verification & Transition system, on April 25th & 26th by Prof. Meenakshmi Balasubramanian, IIIT Bangalore.
- Expert lecture on Wireless Communication by Prof. Tony Jacob, IIIT, Guwahati, March 25-26, 2013.

"Knowledge speaks, but wisdom listens "

Training Programmes Attended

- Smt. Asha M S, CP (IT), Sri. Sasikumar M N, CP(EC), Smt. Kala A P, (CS), STTP on Network Security Administration, ESCI Hyderabad, March 19-22, 2013.
- Sri. Hareesh R Nair, Instr. Gr.II (CSE), STTP on Cyber Security, III TMK, Technopark, Thiruvananthapuram, March 19-23, 2013.
- Dr. B Jayanand, Prof (EEE), Dr. Thajudeen Ahammed, Prof (EEE) & Sri. K R Remesh Babu, AP (IT), Workshop on IIC, Placement & Alumni officers, GEC Kozhikode, March 14-15, 2013.
- Sri. Ajayan JS, Sri. Manoj Thomas, Office Attenders, STTP on Office Automation Tools and Practices, CUSAT, Kochi, February 25 – March 1, 2013.
- Dr. N V Sobhana, STTP on " Data Mining and image Analytics for medical informatics" at IIT Kharagpur, April 8-12, 2013.
- Sri. Finny George, Sri Sunilraj, TI (CS), Sri. Anillal, TI(IT) STTP on " SAP Basis Administration" at ESCI Hyderabad, April 22-24, 2013.
- Dr. N V Sobhana, STTP on " Awareness on Cloud Computing", ESCI-Hyderabad, May 3-4, 2013.
- Smt. Nayana Tom, STTPon "Remote sensing AND GIS", RIT Kottayam, January 1-5, 2013.
- Sri. Harikumar, AP (EEE), Continuing Education quality improvement Programme on " Converter Topologies for Grid Connected Solar PV systems" IIT Bombay , April 24-26, 2013.
- Dr. Thajudeen Ahamed VI, Prof (EC), "Emerging Areas of Research in Engineering Sciences", RIT, Kottayam, March 7-9, 2013.
- Dr. Thajudeen Ahamed VI, Prof (EC) & Dr. Abhilash Suryan, AP (ME), Training Programme on "Science & technology for rural societies" LBS National Academy of Administration, Mussoorie , May 20-31, 2013.
- Sri. Amby, Asso. Prof (ECE) Workshop on NBA Accreditation, CUSAT, Kochi, March 11-12, 2013.
- Sri. M S Sinith, AP (ECE) Workshop on Recent Trends and Developments in signal processing and its application (TDSPA'13), Amrita School of Engineering, Bengaluru, April 27-28, 2013.
- Smt. Babitha Mathews, AP (Phy Edn), National level Seminar on Sports Psychology, Thiruvananthapuram, February 4-5, 2013.
- Sri. R Sivakumar, AP (ECE), ISTE Workshop on Analog Electronics, IIT Kharagpur, April 1-5, 2013.
- Sri. K R Remesh Babu, AP (IT), ISTE Workshop on Database Management Systems, IIT Bombay, May 6-10, 2013.
- Dr. Thajudeen Ahamed, Prof(EC), "Academic Leadership Programme for TEQIP Institutions", IIM Kozhikode, June 3 - 13, 2013.
- Sri. Vijeesh Kumar Thayyil, TM (IT), Telecom Technologies, BSNL, Kozhikode, June 10-22, 2013.
- Smt. Lakshmi J Mohan, AP (IT), Training Programme on "Ethics & Values", LBS National Academy of Administration, Mussoorie, June 24-28, 2013.