



COLLEGE OF ENGINEERING
(AUTONOMOUS)

NEWS LETTER

GAYATARI VIDYA PARISHAD COLLEGE OF ENGINEERING

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GUEST TALKS BY VISITING FACULTY, SCIENTISTS and EMINENT PERSONS

Prof.Rao Tatavarthi, Director Research and Development at VIT University Vellore delivered a talk on 4th November on 'Novel Technologies for Naval Surveillance'. The talk highlighted the methodologies adopted and results obtained in inter disciplinary research covering the areas of Stratified Fluid Dynamics, Ocean Engineering, Photonics and Opto Electronics, Satellite Sensors and Image Processing.

Dr. Sunita.H.O.Pullela, Associate Professor, University of California, San Francisco, delivered a technical talk on **Bio-Interfaces** on 21st December, 2010. The students of 3rd B.Tech along with faculty participated in the programme.

An interactive session with all Heads of the Departments and Professors is held with Prof. A.K Bhatnagar, Prof. S. Chandrasekhar chair of Physics, University of Hyderabad and Former Vice Chancellor of Pondicherry University on 23rd December, 2010. He held a series of meetings with Department of CSE, EEE, ECE and with the Physics on 24th and 25th December, 2010 wherein he detailed the Role of Basic Sciences in Engineering. He gave a talk on the "Thin Film technology - Various Deposition Techniques".

Sri.P.V.Hariharan Chief Mentor and CEO, Agro-Biogenics (Cleantech) Pvt.Ltd. Bangalore visited the Campus and gave a talk on "Converting Renewable Resources into useful Products like Bio Fertilizers, Bio Water, Bio Polymers on 3rd November.

Padmasri Prof. Sivathannu Pillai, the Chief controller R & D, DRDO, Chief Executive Officer and Managing Director, Brahmos Aerospace in an interactive session with the students, exhorted to work hard for India to realize its vision of attaining power in knowledge, Technology, Economy, and Military on 16th December 2010.

Dr.J.Narayan Das, Chief Controller R & B Naval Systems DRDO delivered a talk on Fuel Cells and Green Energy on 30th December. After the talk he interacted with faculty on possible Interactions/Collaboration with DRDO.

Sri. V. Rajanna, Vice President and the Regional Head, TCS, Hyderabad in an interactive session with students on 2nd December 2010 said that the TCS's focus has always been on quality, customer satisfaction, Research and Development and Productivity. Students who have an eye on placements should get trained in this direction, he suggested.

Dr. Jayaprakash Narayan, the former beaurocrat, and Chief of the Loksatta addressed the students and faculty of engineering on 9th December 2010 on the "Need to Strengthen Laws to contain Corruption"

Resource Persons from Vedanta Institute has been organizing series of interactive meetings with faculty and students to help individuals play their roles to the best of their ability. The program began on 10th November.

Dr.B.K.Uma Rani of Brahma Kumari delivered a lecture on Personality Development on 7th December.

GUEST TALKS BY FACULTY OF GVPCOE

Prof. D Varada Raju of the Department of Mechanical Engineering delivered a talk on "Why I Like Engineering Mechanics" to the faculty of Koneru Lakshmaiah University, Vaddeswaram Guntur during a symposium held on 4th and 5th December 2010.

Dr.G.Muralidhar, Senior Professor of Chemical Engineering visited IIT Madras on special invitation and delivered a lecture on Catalysis using Mesoporous Materials as supports in a symposium on Advanced Nano Materials in Catalysis held during 18 - 22 December 2010.

CONSULTANCY

Prof.P.S.Rao, Advisor for Technical Education, GVPCOE, has been awarded a consultancy assignment by the AVR Infra Pvt.Ltd, Chennai in October 2010. The assignment is to provide design and detailed engineering for the proposed 100 m long EQ-10 oil berth at Visakhapatnam Port on BOT basis. The design work is to be done in about 4 months. The assignment leverages a resource to a tune of Rs.12 lacs.

PRESENTATION OF PAPERS IN CONFERENCES BY FACULTY

Electronics and Communication Engineering

Smt.B.Leela Kumari, Associate Professor presented a paper entitled "Analysis Of State Space Estimation Models For Linear And Non Linear Systems" in the National Level Conference (DEVICE-2010) at "ANITS College of Engineering, Sangivalasa held between 13th November to 14th November, 2010.

Smt.N.Deepika Rani, Associate Professor presented a paper entitled "Koch Multiband Fractal Arrays Generalized Cosine Windows" in the National Level Conference (DEVICE-2010) at "ANITS College of Engineering, Sangivalasa held between 13th November to 14th November, 2010.

Smt.B. Leela Kumari, Associate Professor, Department of ECE Presented a Paper on "Analysis of Particle filtering Methods" in National Conference on Advances in Communication Technologies (NCACT-2010) held at GITAM University, Visakhapatnam held on 3rd and 4th December, 2010

Smt.N. Deepika Rani, Associate Professor in the Department of ECE presented a paper "Koch Multiband Fractal Array using Windowing Techniques" in International Conference on Microwaves, Antenna, Propagation and Remote Sensing held between 14th to 17th December, 2010 at Jodhpur.

Electrical and Electronics Engineering

Mr.K.V.S.R.Murthy presented a paper on 'Topology Based Approach for Efficient Load flow Solution of Radial Distribution Networks in the National Power System' in Conference(NPSC) 2010 Osmania University, Hyderabad held during 15th - 17th December 2010.

Mr.K.V.S.R.Murthy presented another paper in the same Conference on Comparison of Loss Sensitivity Factor & Index Vector methods in Determining Optimal Capacitor Locations in Agricultural Distribution.

Mechanical Engineering

Sri S.V.Subramanyam & Sri. P.V.Vinay presented a paper in a national conference on "Reduction of Rejection using Statistical Quality Control (SQC) in Machined Components" at Global Trends and challenges in Design and Manufacturing-Proc of the 3rd Intl. & 24th AIMTDR Conf. December, 2010 held at Andhra University, Visakhapatnam

English

Mr. J. Raja Ratnam, Assistant Professor, presented a paper on 'Contextualizing Materials for UG Engineering Graduates in Teaching English as Second Language' in an International Seminar on 'Applied Linguistics' during 15th -18th of December, 2010, at Nagarjuna University, Guntur.

Participation in conferences and work shops

Prof.P.S.Rao, Advisor for Technical Education, GVPCOE, took part in the International Conference on "Advances in Concrete: An Asian Perspective" ICI - ACECON 2010 held at IIT Madras, Chennai India during 5-9 December 2010. He had the honour of chairing one of the sessions held on 8th December.

Dr.N.Balasubramanyam Professor and Head of the Department, ECE Chaired Technical Session in a National Conference on Advanced in Communication Technologies (NACT-2010) held on 04th December, 2010 at Gitam University, Visakhapatnam.

Dr.M.V.S.Sairam Professor, ECE Chaired Technical Session in a National Conference on Advanced in Communication Technologies (NACT-2010) held on 04th December, 2010 at Gitam University, Visakhapatnam.

Sri.G.T.Rao, Associate Professor, ECE Chaired Technical Session in a National Conference on Advances in Communication Technologies (NACT-2010) held on 04th December, 2010 at Gitam University, Visakhapatnam.

Electronics and Communication Engineering

Smt.B.Leela Kumari, Associate Professor, ECE attended a Two days work shop on "MATLAB APPLICATIONS IN ENGINEERING (MATE-2010)" held at "VITS", Sontyam, Visakhapatnam on 20th and 21st November, 2010.

Sri.P.Srinu, Assistant Professor, ECE attended a Two days work shop on "Matlab Applications in Engineering (MATE-2010)" held at VITS, Sontyam, Visakhapatnam on 20th and 21st November, 2010.

Sri.B.Jagadeesh, Associate Professor,ECE attended a Two days work shop on "National Workshop on FPGA Based DSP Implementation Using Xilinx" held at "GMRIT, Rajam, on 26th and 27th November, 2010

Sri.J.Bhaskara Rao Assistant Professor, ECE attended a Two days work shop on "National Workshop on FPGA Based DSP Implementation Using Xilinx" held at "GMRIT, Rajam, on 26th and 27th November, 2010.

English

Mr. I. Raja Sekhar, Assistant Professor, Department of English attended a workshop on 'Impact of ELT on Enhancement of Employability Skills of Students' at GMRIT, Rajam, during 29th & 30th of Oct, 2010.

Mr. J. Raja Ratnam, Asst.Professor Dept. of English attended an International Seminar on 'Applied Linguistics' during 15th -18th of Decemebr, 2010, at Nagarjuna University, Guntur.

Workshops / Training Programs Organized

Chemical Engineering Department organized a three day Workshop on "Finite Volume Method in Flow and Heat transfer" during 18 - 20 November, 2010 Resource Person: Dr. B.Srinivas. About 4 Faculty & 31 students from various colleges participated.

Chemical Engineering Department organized a Two day Training program on "DCS based training simulator system" for IV B.Tech students during 23rd - 24th December, 2010 Resource Person: C.V.Nageswara Rao. About 28 students participated

Chemical Engineering Department organised a two weeks workshop on "Computational Fluid Dynamics" for III B.Tech students on 24-12-2010 Resource Person: Dr. B.Srinivas. About 20 students participated.

Journal Publications by Faculty

A.Nasimudeen, Madhu S.Nair, Rao Tatavarti: "Directional switching Median Filter using Boundary Discriminative Noise Detection by Elimination", International Journal of signal, Image and Video Processing, October 2010, Springer-Verlag, London.

Madhu S.Nair, Rekha Lakshmanan, M.Wilsay and Rao Tatavarti: "Satellite Image Processing for oceanic Applications using Fuzzy Logic", Accepted for publication in international Journal of intelligent systems, Technologies and applications, Inderscience Publishers, UK/SWITZERLAND.

Civil Engineering

Murthy V.A.Bondada: "Sustainable Transportation in Developing Countries", paper presented at International Conference on Infrastructure, Sustainable Transportation and Urban Planning, 18-20th October 2010, CISTUP@Indian Institute of Science, Bangalore.

Murthy V.A.Bondada and Sivanandan.R: "Cost effective and implementable solutions to reduce traffic congestion in Indian cities - Demonstration Project in Chennai", paper presented at Urban Mobility India 2010 conference, 3 - 5 December 2010, Institute of Urban Transport, Ministry of Transportation, Government of India, New Delhi.

Chemical Engineering

Ch.V.Subba Rao G.M.Rao, P.King, Dr.C.Bhaskara Sarma, Dr.V.S.R.K.Prasad Published a paper titled "Drag reduction by polymer additions in once through systems" published in International journal of fluid Mechanics and Research, vol 37, No.5 (2010) 391-405

M S N Murthy, K V Ramesh, G.Prabhakar, P.Venkateswarulu a paper on "Ionic Mass Transfer Studies in Three - Phase Fluidized Beds in The Presence of Disc Promoters" in Chemical Engineering Communications in 2010 is accepted for publication.

Computer Science & Engineering

P.Krishna Subba Rao, Smt.P. V. S. Lakshmi Jagadamba, Mr. T. M. N. Vamsi, Prof. Allam Appa Rao), a paper on A Novel Approach for Pair Wise Alignment Using Particle Swarm Optimization" In the International Journal of Computational Intelligence Research & Applications is accepted for publication in Dec,2010.

P.Krishna Subba Rao, Smt.P.V.S.Lakshmi Jagadamba, a paper on "Intrusion Tolerant Enhanced Secured Architectural Database System" is accepted for publication in the Journal of International Transactions in Mathematical Sciences and Computer", Issue. (ISSN 0974-5068), V3 N1.

S.R.M.Krishna, P.S.Jamwal, N.Vishali, N.V.L.P.Raju, P.Hema Vishnu, published a paper on "The Communication Channel Enhancement through Secure Shell and Enhanced DES." In the International Journal of computer science and network security. (IJCSNS). In October 2010 ISSN: 101017 Volume 5.

Mathematics

Prof.J.Vasundhara Devi, Mr.Ch.V.Sreedhar of the Dept.of Maths and Ms.S.Nagamani Research Scholar,GVP-LIAS published a paper titled Monotone Iterative Technique for Integro Differential Equations with Retardation and Anticipation in the International Journal Communications in Applied Analysis, July-October 2010, Vol 14, Num 3 & 4, ISSN 1083-2564

Dr. J. Ravindranath, Associate Professor & Head of the Department, published a Paper on "Negotiations between History and Individual Self: Through the Eyes of Nirad Chaudhuri; Naipaul and Coetzee" in Triveni (a National Magazine) in Vol.79.4; Oct-Dec, 2010).

Books Published

Dr. J. Ravindranath, Associate Professor & Head of the Department, brought out a book of poetry "Russian Songs" (Translation) in December 2010.

Papers Presented By Students at CHEMCON 2010 held at Annamalai University, 28 - 30 December, 2010

N. Usha Rani, B.Mohana Sree of III. B.Tech presented a Paper titled "Mesoporous Nano Structured Materials as Supporters for Hydro Treating Catalysts"

P.Srikar Sampath, H.Srinu of III. B.Tech presented a Paper titled "Thermo fuel from Waste Plastics"

N.Krishna Murthy, R. Ramtej of III B.Tech presented a Paper titled "Desalination of Brackish Water by Solar powered Membrane distillation

K.Soujanya, K.Haritha, N.Suneetha of III. B.Tech presented a Paper titled "Intensification of recovery Nicotinic acid by Reactive extraction: Equilibrium study.

P.B.S. Sailusha, K.V.Varalakshmi Devi, J.Mounica of III. B.Tech presented a Paper titled "Natural Convection in helical coil Heat exchangers"

P.T.N.S. Manikyam of III. B.Tech presented a Paper titled "Design of one photo bioreactor for effective micro algal production"

Value Addition Programme

"A Concise course on "PSpice Programming and Analysis of Electronic Circuits" intended for the benefit of faculty and students of ECE, EEE, CSE and IT departments is inaugurated by Prof.P.Soma Raju Garu and Prof.P.S.Rao Garu. This course is conducted from 08th November, 2010 to 08th December, 2010 by Prof.T.S.N.Somayaji.

Memorandum of Understanding

Gayatri Vidya Parishad College of Engineering (Autonomous) entered into a Memorandum of Understanding with Sankhya Technologies on 26th November, 2010.

EVENTS

Freshers' Day

Freshers' Day is celebrated for 3 days on 10th, 11th and 13th December. Students of, ECE and EEE presented their activities on 10th December 2010. Prof.T.S.N.Somayaji is the Chief Guest. Chemical, Civil and Mechanical Engineering Students celebrated Freshers' Day on 11th December 2010.Sri.D.V.Subba Rao President GVP is the Chief Guest. The other 2 branches CSE and IT had their programmes on 13th December 2010. Dr.J.Ravindranath, Head, Department of English coordinated the activity.

Foundation Day

15th Foundation Day is celebrated in the campus on 16th December 2010. Prof. Sivathanu Pillai, the Chief controller R & D, DRDO, Chief Executive Officer and Managing Director, BrahMos Aerospace is the chief guest. In his address he advised higher education and institutions to focus more on Resources and Knowledge based Products and Systems. Outgoing president of GVP Dr.B.Swamy was felicitated on the occasion. Prof.N.S.V.V.S.J.Gandhi, Principal presented the activity report. Sri D.V.Subbarao, President GVP presided over the function.

PLACEMENTS

Fine Tune Training

The Placement cell arranged a fine tune training to all the eligible students for placements for a week during the last week of November, 2010. The Training included mock interviews, soft skills and communication skills in English. Department of English Gayatri Vidya Parishad College of Engineering and resources persons from Conduira, a local professional Training Centre participated in the programme.

Placement Details Up to the end of December 2010

Sl.No.	Name of the Company	Date of Visit	Chemical	Civil	CSE	ECE	EEE	IT	Mechanical	PG(GVPCOE)	M.Tech	PG College	Total	Total R.Tech	Total GVPCOE
1	TCS	08.12.10	7	5	73	79	27	97	25	17	17	32	519	233	287
2	Mahindra Satyam	07.12.10	-	-	3	9	3	3	-	-	-	2	28	18	18
3	Persistent	09.12.10	-	-	4	1	-	4	-	-	-	2	13	9	11
4	L & T	17.12.10	-	5	-	-	2	-	4	-	-	-	11	11	11
5	Mahindra & Mahindra	18.12.10	-	-	-	-	-	-	12	-	-	-	12	12	12
6	Tata Steel	23.12.10	-	-	-	-	2	-	4	-	-	-	6	6	6
7	ABIR Infra Pvt.Ltd.	30.12.10	-	-	-	-	-	-	-	-	-	-	0	0	0
Grand Total			7	10	80	89	34	44	45	17	19	36	381	309	326

Faculty Forum

Faculty Forum began its activity in October, 2010 and has been continuing its program regularly. Under this programme, the Faculty members in each department choose a subject in an area of their expertise and present a talk to all the members of the faculty on all Saturdays.

Ph.D Awarded

Dr. M.S.N.Murthy, Associate Professor is awarded Ph.D by Sri Venkateswara University, Tirupathi on 18-11-2010.

Honours & Recognitions

Dr.D.S.Murthy, Professor ECE and Associate Director Research has been awarded "Bharata Ratna Mokshagundam Visveswarayya award" on 01st November, 2010 by JNT University, Kakinada.

Prof.P.S.Rao, Advisor has been invited to be a member of a Committee appointed by GVMC to go into the causes of recent collapse of retaining walls in Visakhapatnam.

Faculty Postings

Faculty Postings

Prof.T.S.N.Somayaji, is the Director (Sciences) and Professor in the Department of ECE from 1st November. He was formerly Professor and HOD of Dept. of Physics Andhra University.

Prof. Rao Tatvarthi M.S. (IIT Madras) Ph.D (Dalhousie, Canada) assumed charge as Director, (Consultancy and Sponsored Research) on 16th December 2010. He was formerly the Director Research and Development at VIT University Vellore.

The following faculty joined as Assistant Professors on 30th & 31st December 2010:

Mr.S.S.Ayyappa Sastry joined as Asst.Professor in the Dept. of Mathematics (1st December 2010).
Ms. N. Rama Kumari, Joined the Department of Civil Engineering
Ms A. Gunasri Joined the Department of Civil
Ms. M. Sri Naga Vishnu Priya joined as Asst.Professor in the Dept. of IT.
Ms. B.Siva Lakshmi joined as Asst.Professor in the Dept. of IT.
Ms. Geetanjali Naik joined as Asst.Professor in the Dept. of CSE.
Ms. S.Vidya Madhuri joined as Asst.Professor in the Dept. of CSE.
Ms. N.Sirisha joined as Asst.Professor in the Dept. of ECE.
Mr. Chinna Venkata Kondaiah Joined in the Department of EEE
Mr.Pilla Guru Murthy Patrudu joined as Systems Manager for GVPCOE.

General

The College of Engineering facilitated processing of 352 applications under fresh category and 789 applications under renewal category for tuition fee reimbursement to BC, SC and ST welfare departments for the academic year 2010-11

An Alumuni of the Civil Engineering Department, Mr. V.S.S.C.Venkatesh who topped the batch of 2004-08 of CE, donated 25 text books to the department library. He is presently with Tata Consulting Engineers, Mumbai, as an Assistant Engineer.

GVPCOE in coordination with Spic Macay (Society for Promotion of Indian Classical Music and Culture amongst youth organized a carnic violin concert by Padma Bhushan T.N.Krishnan (Chennai) on 19th November.

Spic Macay also presented an enthralling Odissi dance with children on 6th December.

Sports

The following students of GVPCOE represented JNTU-K at the South West Zone Inter University Championships in November 2010.

Mr.S.Arvind Raj Choudary I/IV Mechanical	Shuttle Badminton
Mr.Somesh II/IV Mechanical	Chess
Ms.G.Sireesha I/IV Chemical	Chess
Ms.k.Keerthi Priya II/IV CSE	Table Tennis

GVPCOE (A) hosted the JNTU-K Table Tennis (M & W) team selection trials on 27th and 28th November wherein 60 boys and girls from various affiliated colleges have participated.

Mr.Gnana Sai Ram of I/IV Civil and Mr.M.Srinivas IV/IV CSE represented JNTU-K in the All India Inter University Championship for Hockey in December 2010.

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