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PES COLLEGE OF ENGINEERING, MANDYA

TEQIP NEWS LETTER

Principal: Dr. V. Sridhar

TEQIP Coordinator: Dr. H.V. Ravindra

Editor: Dr. M.C. Padma

1. FDP on Basic Pedagogy for Technical Teachers (BPTT)



Dr. H. D Chowdaiah, The Chairman of PET®, addressing the gatherings.

A five day FDP on Basic Pedagogy for Technical Teachers (BPTT) was held during 6th to 10th January 2015. The program was supported by Experienced Faculty Members from Regional Institute of Education, Academic Staff College, Mysore and Expert Faculty Members of this Institution.

Nowadays Engineering and Technology is taking center stage in software and manufacturing sectors. Over 4 lakh engineering graduates pass out every year in the nation. Approximately 2500 technical institutions are striving to meet demand of producing quality engineers across the country. Although India is producing highest number of professors, many institutions have not focused on preparing technical teachers by providing Pedagogical training. In this context PESCE, Mandya, is taking a first initiative step to train the teachers with an emphasis on meeting a variety of demands and needs, prevailing within the institute and in Industry/Corporate spheres as well.

The main objective of this program is to enable and empower the teachers with knowledge, skills, methods of Content Development, Analysis, Effective Delivery, Assessment. The program has also focused to prepare teachers to meet the requirements of the NBA/TEQIP/Autonomy.

2. Solid modeling on CATIA and Finite Element Analysis on ANSYS



Solid modeling on CATIA and Finite Element Analysis on ANSYS jointly organized by Department of Mechanical, Automobile and Industrial & Production Engineering under TEQIP – II.

CATIA Engineering solutions enable the creation of any type of 3D assemblies for practically all mechanical engineering processes. They address the specific requirements of a wide range of industries and processes, covering for example cast and forged parts, plastic injection and molding operations, composites part design and manufacturing, sheet metal parts design and advanced fastening operations.

The objective of this workshop includes:

- ◆ This training program is intended to provide an expertise training on Solid Modeling using CATIA - V6 and Finite Element Analysis using ANSYS-15.
- ◆ To enable the participants to formulate the design problems into FEA.
- ◆ To teach the basic concepts related to solving engineering problems.
- ◆ To provide with a working knowledge of finite element analysis tools.

3. Technical Paper Presented in the Conference by Faculty members (in Abroad)

Sl. No.	Faculty/Staff	Type of Conference	Title of the Paper	Date and Place
1	Dr V Sridhar	International Conference	Capacity Expansion methods for live GSM Network an overview	13-20 November 2014, Birmingham UK

4. Technical Paper Presented in the Conference by Faculty members (in India)

Sl. No.	Faculty/Staff	Type of Conference	Title of the Paper	Date and Place
1	Dr. H V Ravindra	International Conference	Estimation of Machining performances of P-20 Material in WEDM using GMDH Technique	12-14 December 2014, Indian Institute of technology Guwahati (IITG)
2	Dr. V Sridhar	Two Days Workshop	Good Governance	16-17 October 2014, Metropolitan Hotel New Delhi
3	Dr. Ramalingaiah	Two Days Workshop	Good Governance	16-17 October 2014, Metropolitan Hotel New Delhi
4	Dr. H V Ravindra	International Conference	National Conference on Higher Education: Establisher Research Eco-System in Universities	08 -10 January 2015, Hotel Hyatt Regency, New Delhi
5	Dr. M C Padma	International Conference	International Conference	5-8 January 2015, BMS College of Engineering, Bangalore.
6	Dr. G P Shivashankar	National Conference	Study on Hydro- Geological Parameters and affect Ground water pollution potential using drastic model with modified Ranking factors	30-31 Jan to 1st Feb 2015, JBS Haldane Avenue, Kolkata-46

5. Workshop/Symposium attended by Faculty members

Department of Mechanical Engineering

Sl. No.	Faculty/Staff	Type of Conference	Topic of the Workshop	Date and Place
1	Dr. K N Umesh	One Day Workshop	Good Governance and Leadership Development in Technical Education	18 June 2014, Dharwar

Sl. No.	Faculty/Staff	Type of Conference	Topic of the Workshop	Date and Place
2	Dr. S Ghanaraja	Two Week FDP	Resent Trends in Advanced Materials and Manufacturing Processes	29 December 2014 to 10 January 2015, M S Ramaiah Institute of Technology, Bangalore-54
3	Ganapathy Bawge	Two Week FDP	Resent Trends in Advanced Materials and Manufacturing Processes	30 December 2014 to 10 January 2015, M S Ramaiah Institute of Technology, Bangalore-54
4	Mohammedrafi H Kerur	3 Days Conference	Conference	15-17 December 2014, PES University, Bangalore-54
5	P Mohammed Rafi	5 Days Workshop	Renewable energy sources emerging technology (RESET)	01 to 05 September 2014, PESCE, Mandya
6	Arvind kumar	Two Week FDP	Recent Trends In Renewable Energy Sources & Management	29 December 2014 to 10 January 2015, M S Ramaiah Institute of Technology, Bangalore-54

Department of Industrial & Production Engg.

Sl. No.	Faculty/Staff	Type of Conference	Topic of the Workshop	Date and Place
1	N L Muralikrishna	5 Days Seminar	Renewable energy sources emerging technology (RESET)	01 to 05 September 2014, PESCE, Mandya
2	M A Venu Gopal	5 Days Seminar	Renewable energy sources emerging technology (RESET)	01 to 05 September 2014, PESCE, Mandya
3	Dr. H M Nanjundaswamy	5 Days Workshop	Renewable energy sources emerging technology (RESET)	01 to 05 September 2014, PESCE, Mandya
4	M Sreenivasa	5 Days Workshop	Renewable energy sources emerging technology (RESET)	2 to 05 September 2014, PESCE, Mandya
5	M A Venu Gopal	Two Week FDP	Recent Trends In Renewable Energy Sources & Management	29 December 2014 to 10 January 2015, M S Ramaiah Institute of Technology, Bangalore-54

5. Workshop/Symposium attended by Faculty members contd..

Department of Electronics & Communication.

Sl. No.	Faculty/Staff	Type of Conference	Topic of the Workshop	Date and Place
1	Mahesh Gowda N M	Workshop	Advanced Embedded Systems and ITS Applications	13-18 October 2014, PES College of Engineering, Mandya
2	M Subramanyam	Workshop	Advanced Embedded Systems and ITS Applications	13-18 October 2014, PES College of Engineering, Mandya
3	B S Nanda	Workshop	Advanced Embedded Systems and ITS Applications	13-18 October 2014, PES College of Engineering, Mandya
4	Kumar N Krishna-murthy	Workshop	Advanced Embedded Systems and ITS Applications	13-18 October 2014, PES College of Engineering, Mandya
5	R Manjunatha	Workshop	Advanced Embedded Systems and ITS Applications	13-18 October 2014, PES College of Engineering, Mandya

Department of Computer Science & Engg.

Sl. No.	Faculty/Staff	Type of Conference	Topic of the Workshop	Date and Place
1	Anitha M A	Workshop	Advanced Embedded Systems and ITS Applications	13-18 October 2014, PES College of Engineering, Mandya
2	Deepika	Workshop	Advanced Embedded Systems and ITS Applications	13-18 October 2014, PES College of Engineering, Mandya

Department of Information Science & Engg.

Sl. No.	Faculty/Staff	Type of Conference	Topic of the Paper	Date and Place
1	Geethanjali T M	Workshop	Advanced Embedded Systems and ITS Applications	13-18 October 2014, PES College of Engineering, Mandya

6. Workshop/Symposium attended by Technical Staff members

Department of Electronics & Communication.

Sl. No.	Faculty/Staff	Type of Conference	Topic of the Workshop	Date and Place
1	Preetham K P	3 Days Workshop	NI lab, CADENCE, Verilog & ARM Processor	28-30 January 2015, SJB Institute of Technology, Bangalore
2	C K Devaraju	3 Days Workshop	NI lab, CADENCE, Verilog & ARM Processor	28-30 January 2015, SJB Institute of Technology, Bangalore

7. Publication of Research Papers

SL. No.	Staff Name	Journal Name	ISSN No.	Title of the paper	Year of Publication
1	Dr. H V Ravindra	International Journal of Scientific & Engineering Research	2229-5518	Numerical Investigation on Flow Past Square Cylinders with Different Corner Shapes	Vol. 5, No. 10. 10/1/2014
		Scene Classification Based on feature extraction	2319-1058	Analysis by CFD for Flow Past Circular and Square Cylinder	Vol. 4, No. 3. October - 2014
2	Dr P S Puttaswamy	Scene Classification Based on feature extraction	2319-5940	International Journal of Advanced Research in Computers and communication Engineering (IJARCCE)	Issue No. 9 Vol. No. 3 Sept. 2014
3	Dr. J Venkatesh	International Journal of Emerging Trends in Engineering and Development	2249-6149	Experimental Investigation on MPFI Engine Using Bio diesel	Issue. No.0 Vol. No. 5 July 2012
		International Journal of Scientific and Research Publications	2319-8354	Assessment of surface roughness and material remove rate on machining of TiB2 Reinforced aluminum 6063 composites. A Taguchi`s approach	Issue No. 1 Vol. No. 3 January 2013

7. Publication of Research Papers Contd..

SL. No.	Staff Name	Journal Name	ISSN No.	Title of the paper	Year of Publication
4	Dr. H S Sheshadri	International Journal of Engineering Research and Technology (IJERT)	2278-0181	An Evolution of Uniform Region and Depth Discontinuity Region Error in Stereo Algorithm	Vol. 3, Issue 3 March 2014
		International Journal in Foundations of Computer Science and Technology (IJFCST)	1839-7662	A New Approach to Analyze Visual Secret Sharing Schemes for Biometric Authentication - A Survey	Vol.3, Issue 6 November 2013
		International Journal of Computer Applications (IJCA)	0975-8887	Multiple Object Detection and Tracking in Cluttered Region with Rational Mobile Area	Vol. 39, Issue 10, February 2012
		A Lecture Notes in Electrical Engineering 248, Springer India 2014	DOI: 10.1007/978-81-322-1157-0_23	Semantic Analysis of Precise Detection Rate in Multi-object Mobility on Natural Scene Using Kalman Filter	2014
		International Journal of Engineering Research and Technology (IJERT)	2278-0181	Survey on Impulse Noise Removal Techniques in Digital Images	Vol. 2, Issue 7, July 2013
5	Umesh D R	International Journal of Latest Trends in Engineering Technology (IJLTET)	2278-621X	Predicting Breast Cancer Recurrence Using Machine Learning Techniques	Vol. 5 Issue 1, January 2015 pp. 255-259

8. Organization of Conference / Workshop

Sl. No.	Type of Conference	Title of the Program	Dept.	Nos. of the Participants	Venue	Duration of Program		Name of the Co-ordinator	Organization
						From	To		
1	5Days Workshop	Faculty Development Program on Basic Pedagogy for Technical Teachers (BPTT)	Library and Information center	60	P.E.S. College of Engineering Mandya	6/1/2015	6/1/2015	Dr. K N Umesh	Dr. Lingaraj Gandhi, Director, Academic staff College, Manasa Ganagotri Mysore

Sl. No.	Type of Conference	Title of the Program	Dept.	Nos. of the Participants	Venue	Duration of Program		Name of the Co-ordinator	Organization
						From	To		
2	5Days Workshop	5days Training Programme on CATIA	Me- chanical Engg. Dept.	40	CAED Lab PES College of Engi- neering Mandya	27-01- 2015	31-01- 2015	Mr. V. R . Devadath	Mr.Sachin Altem Technology, Bangalore Mr. Vineet Singh, Innovent, ANSYS, Bangalore

9. Ph.D Awardees from P.E.S.C.E.

- Dr. G N Rajappa**, Professor, Department of Mathematics, A.I.T, Chickmagalur. was awarded with the degree of Doctor of philosophy on the thesis "*Some studies in theory of hyper geometric series, continued fraction and modular equations motivated by the work of Ramanujan*" under the guidance of **Dr. A T Eshwar**, Professor, Department of Mathematics, PESCE, Mandya.

Abstract: The study involves certain investigation on Hyper Geometric Series, continued fractions and Modular equation motivated by works of Ramanujan. The thesis highlights the explicit evaluation of $G(q)$ by using theta functions identities. Further he has contributed for the evaluation of Ramanujan's WEBBER'S laws, also his work is involved in modular equation and continued fraction of order 12.

- Dr. Champa H N**, Professor, Department of Information science and Engineering, Dr.Ambedkar Institute of Technology, Bangalore, was awarded with the degree of Doctor of philosophy on the thesis "*Mind Behavioral Model: A Model for Handwriting Feature Extraction and Behavioral Analysis*" under the guidance of **Dr. K R Ananda Kumar**, PESCE, Mandya.

Abstract: Handwriting analysis or Graphology ia a scientific method of identifying evaluating and understanding personality through the strokes and patterns revealed by handwriting. Handwriting reveals the true personality including emotional outlay, fears, honesty, defenses and over many other individual personality traits. Handwriting is often referred to as brain writing. Each personality trait is represented by a neurological brain pattern..

- Dr. Archana** Assistant Professor, Department of Electrical and Electronics Engineering, NIEIT Mysore, was awarded with the degree of Doctor of philosophy on the thesis "*Adaptive controller strategies for FACTS devices in a power system to enhance stability*" under the guidance of **Dr. S.S. Parthasarathy**, Professor Department of Electrical and Electronics Engineering, PESCE Mandya.

Abstract: Electrical energy is the most widely used accepted form of energy due to ease in generation, transmission and distribution compared to other forms. Hence electrical energy is to be conserved at every step in the process of generation, transmission, distribution and utilization. FACTS devices could be used for controlling transmission flow, reducing reactive losses and damping of power system oscillations for high power transfer levels.

- Dr. Usha A**, Professor, Department of Electrical and Electronics Engineering, BMS College of Engineering , Bangalore, was awarded with the degree of Doctor of philosophy on the thesis "*Synthesis And Characterization Of Sensor For Biological Real – Time Application using Conducting Polymers and Nano Composites*" under the guidance of **Dr. B. Ramachandra** Professor and Head of the Department Electrical and Electronics Engineering, PESCE, Mandya.

9. Ph.D Awardees from P.E.S.C.E. (contd..)

Abstract: Research activity and applications of biosensors for measurement of analytes has been of clinical interest over the last decade. Nanotechnology has been applied to improve performances of biosensors using electrochemical, optical, mechanical and physical modes of transduction and to allow arrays of biosensors to be constructed for parallel sensing.

The greatest impact of biosensors will be felt at point-of-care testing locations without laboratory support integration of biosensors into reliable, easy-to-use and rugged instrument will be required to assure success of biosensor-based system at the point-of-care...

10.EDITORIAL COMMITTEE

EDITING CHAIRS

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