

EVENTS @ LBRCE:



Lakshya2k16 gets off to an illuminative start...

Lakshya 2k16@LBRCE:A moment to rejoice !

LBRCE conducted its flagship Techno-cultural extravaganza, LAKSHYA 2K16- the 11th National-level Symposium on the 1st Oct'16. Sri.Sundar Viswanadhan, senior Business Consultant, Asia Pacific Region, TCS inaugurated this multi-event symposium in the presence of Dr.E.V. Prasad, Director and G.Srinivasa Reddy, President. Hundreds of students from various engineering colleges in Andhra Pradesh and other states participated in events like Paper presentation, Poster presentation, Model exhibition, Technical quiz as well as special events such as Cruize, Creative minds, Coding war contest, Robotic & R/C competition, Art exhibition, Spot photography and Short film, making it an action-packed day. Dr.M.Umavani, HoD, EEE & Dr.N.Ravi Shankar, HoD, CSE jointly coordinated this mega program.

NI Lab VIEW Academy School @ LBRCE: A milestone in Industry recognition!

LBRCE bagged the NI LabVIEW Academy Award at NIDAYS-2016- the annual Graphical System Design Conference held at Bangalore on 19th Oct'16. We are among 15 colleges/universities across India to be recognized as NI Lab VIEW Academy School. NI LabVIEW coordinator, Dr.M.Suman, Professor, ECE and Prof.Anjaneyulu Naik, HOD, EIE received the award.



A Moment to cherish @ NI awards function



Director addressing the participants @ the inaugural

Workshop on “Career Development”: An Industry-readiness initiative

ISHRAE student chapter of LBRCE & the Dept. of Mechanical Engineering organized a one-day workshop on "Career Opportunities for Young Engineers" on 15th Oct'16. While inaugurating the program, Dr.E.V.Prasad, the Director exhorted students to focus on application-oriented learning for better employability. Sri.R.V.S.Prasad, National VC- Student Affairs– ISHRE and Sri.Nikhil, Operations Manager, Hitachi Ltd. Acted as the resource persons.

**Entrepreneurship Awareness Program-
Engineering an entrepreneurial revolution!**

The college entrepreneurship cell organized a 3-day workshop on “Entrepreneurship Awareness” during 27th- 29th Oct’ 16. Dr.E.V.Prasad inaugurated the program that primarily focused on creating an entrepreneurial ecosystem in the college. D.Sainadh, MD, Agastya Motors, Vijayawada, Sri.Sanjay, young entrepreneur, Sri.Srinivasa Mani, General Manger, AP State Finance Corporation, Sri.B.Rama Krishna Rao, MD, APHMEL, Sri.P.Srinivas and Sri.J.V.S.Reddy acted as resource persons in the program. Dr.T.Raja sekhar coordinated the event.



**Director inaugurating the workshop on
“Entrepreneurship Awareness”**



Director & others at the NI LabVIEW Workshop

LabVIEW Workshop: Leveraging Real time trends in Technology

LBRCE conducted a 5-day workshop on “Lab VIEW Competency Development Programme” in ECE & EIE departments during 14th -19th Oct’ 16. B.Tech II year students attended the program. The program was inaugurated by Dr. E. V. Prasad, Director in the presence of Prof. Ramesh Reddy, HoD and others. Instructors from NI Lab VIEW acted as resource persons of the program coordinated by Dr.Suman, Professor, ECE



Dr.Venu Gopal, NIT Warangal @ the program in ME

Making sense of Manufacturing@ Guest Lecture in ME

The Department of Mechanical Engineering organized a Guest Lecture on “Traditional Manufacturing Process” for its students. Dr.Venu Gopal, Professor, Dept of Mechanical Engineering, NIT Warangal was the resource Person of the program.

Exploring the wonders of innovation @LabVIEW workshop

The ECE & EIE departments jointly organized a 5-day workshop on “LabVIEW Competency Development Programme” from 24th to 28th Oct’16 for B.Tech 3rd year students. Instructors from NI Lab VIEW acted as the resource persons in the program, coordinated by Dr.M.Suman, Professor, ECE.



B. DEPARTMENT ACTIVITIES:

I. Research Activities (Papers Published / Grants Received/ Facilities developed):

Dept. of ECE

- Ramesh Reddy, Nazeema, P.Rakesh kumar: **“Image Forgery Detection using Adaptive Over Segmentation and Feature Point Matching”**. International Journal of Innovative Research in Technology, ISSN.2349-6002, Vol-3 Issue 4, Sept’16.
- Alur Narendra Babu, S.V. Jagadeesh Chandra & G.Srinivasa Rao: **“Personal Identification Using Left and Right Palmprint Images by Steerable Filter”**. International Research journal of Engineering and Technology, Vol.3, Issue.9, Sept’16.
- S.V. Jagadeesh Chandra, G. Venkata Rao :**“Investigations on the Nitride Interface Engineering at HFO₂/Ge stacks for MOS devices”** Materials Today Proceedings.
- S.V. Jagadeesh Chandra, A. Narendra Babu, G.Srinivasa Rao: **“AGE-INVARIANT FACE RECOGNITION SYSTEM USING COMBINED SHAPE AND TEXTURE FEATURES”**. International Journal of Innovative Research in Technology, ISSN. 2349-6002 , Vol.3, Issue.4, Sept’16.
- K.N.Prakash, P.Rakesh Kumar,Y.Padma: **“Dual Tree Complex Wavelet Transform for Medical Image Fusion”**.International Research journal of Engineering and Technology, Vol.3, Issue.9,Sept’16.
- E.V.Krishna Rao, K.Rani **“Automatic Highway Vehicle Counting and Classification for Surveillance Applications”**. International Journal of Innovative Research in technology, ISSN.2349-6002, Vol.3 Issue.4, September 2016.
- G.Srinivasa Rao, S.V. Jagadeesh Chandra & Alur Narendra Babu: **“RADAR Imaging by Sparsity and compressed Sensing”**. International Journal of Innovative Research in technology, ISSN.2349-6002, Vol.3 Issue.5 Oct’16.
- Maloji Suman & Sravya Konakala: **“Non Uniform Blur and Illumination Variance Face Recognition Using Local Binary Pattern”**. International Research journal of Engineering and Technology, Vol.3, Issue.9, Sept’16.

- V.V. Ramakrishna, P.Rakesh Kumar & SK.Fairoze: “**Spot Detection with Optimal Scale Selection in Fluorescence Microscopy Image**” .International Journal of Innovative Research in technology, ISSN.2349-6002, Vol.3, Issue.5, Oct’16.
- G.L.N Murthy & K.Srinadh: “**INTENSITY INHOMOGENEITY CORRECTION WITH ENERGY OPTIMIZATION**”. International Journal of Innovative Research in Technology, ISSN.2349-6002, Vol.3, Issue.4, Sept’16.
- T.Anil Raju & K.L.Kartheek. “**Automatic Detection of Pathogenic Diseases on Leaves**”. International Journal of Innovative Research in Technology, ISSN. 2349-6002, Vol.3, Issue.4, Sept’16.
- B.V.N.R. Siva Kumar, P.Rakesh Kumar & M.Rajesh Babu: “**Diagnosis of Diabetic Retinopathy Using Morphological Process and SVM Classifier**”. International Journal of Innovative Research in Technology, ISSN.2349-6002, Vol.3 Issue.4, Sept’16.
- Y.Amar Babu, M.Rama Devi: “**Micro Blaze Based SOC Platform for JPEG2000 Compression on SPARTAN6 FPGA**”. International Journal of Innovative Research in Technology, ISSN.2349-6002, Vol.3, Issue.4, Sept’16.
- K. Rani Rudrama, P.Rakesh Kumar & T.Mani Kanta Reddy: “**Reversible Image Data Hiding with Contrast Enhancement**”. International Journal of Innovative Research in Technology. ISSN.2349-6002, Vol.3, Issue.4, Sept’16.

Dept. of EEE

- J.Sivavara Prasad & K.R.L.Prasad: “**A HIGH VOLTAGE GAIN FLYBACK CONVERTER WITH SOFT SWICHINGFOR SOLAR APPLICATIONS**”.International Research Journal of Engineering and Technology (IRJET).ISSN: 2395-0072, Vol.03, Issue.07, Oct’16.

Dept. of CIVIL

Ramakrishna V: “**Municipal Solid Waste Quantification, Characterization and Management in Mylavaram**”. IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), ISSN. 2320-334X, Vol.13, Issue. 5, Oct’16.

Dept. of EIE

- Dr. T. Satyanarayana: “**Effect of Change in CaO Concentration on Spectroscopic Properties of Tm³⁺ ions in Phosphate glasses**”. The Journal of Opto-Electronics & Advanced Materials (Scopus Indexed Journal), Vol.18 (9-10), Oct’16.
- G.Mallikarjuna Rao & M.Pavani: “**Mobile Irrigation System**”. International Journal of Advanced Research (IJAR) ISSN.2320-54074, Vol.9, Oct’16.

Dept. of MECH

- P.Ravindra Kumar: “**Energy Analysis of Heat Pump System for both Heating and Cooling**” IJIRT, ISSN.2349-6002, Vol.3, Oct’16.

- P.Ravindra Kumar, V.Ramachandra Raju & N.Ravi Kumar: “**Simulation & Optimization of Thermal Power Plant Cycles**”. Perspectives in science, Elsevier, SI.Vol.8, Oct’16.
- Dr.K.Dilip Kumar: “**An Experimental Investigation on Application of Al₂O₃ Nano particles as Lubricant Additive in VCRS**”. International Journal of Engineering Research and Application, ISSN. 2248-9622, Vol. 6, Issue. 10, Oct’16.
- Dr.K.Dilip Kumar, and Dr.K.AppaRao: “**Comparison of Fluid Flow and Thermal Characteristics of Plate-Fin and Square Pin-Fin Heat Sink Subjected to Parallel Flow**”. International Journal of Innovative Research in Technology, ISSN.2349-6002, Vol.3 Issue.5, Oct’16.
- B.Sudheer Kumar: “**Shock & Vibration Prevention using angular mount with different types of oil-based Elastomers**”.HCMCP-2016, Elsevier Materials Today proceedings,Oct’16.
- K.Narayana:“**Three Dimensional Finite Element Analysis of Thin Hybrid FRP Skew Laminates for Thermo Elastic Behavior of Different Materials**”. PMME-2016, Elsevier Materials Today proceedings.

Dept. of MCA

- Mr.P.Ashok Reddy, Dr.K.Rajasekhara Rao and Dr.M.Babu Reddy: “**Modifiability Analysis at Architecture Level through Scenario Elicitation Modifiability Analysis at Architecture Level through Scenario Elicitation (MAASE)**”. International Research Journal of Engineering and Technology (IRJET), ISSN. 2395-0056,Vol.3, Issue.9,Oct’16.
- Mr.P.Ashok Reddy, Dr.K.Rajasekhara Rao & Dr.M.Babu Reddy: “**Validation of Usability Evaluation Models Through Experimental Setup And Empirical Study**”. International Journal of Innovative Research and Advanced Studies (IJIRAS), ISSN. 2394-4404,Vol.3, Issue.9, Oct,16.

II. Guest Lectures / Workshops / Conferences / Seminars

Dept. of EIE

- Dr. T. Satyanarayana & M.Vasu Babu presented a paper entitled, “Modelling and Deformation Analysis of Piezoresistive Cantilever for Bio-Sensing Applications”. II International Conference on Advances in Aerospace Electronics, Electrical, Communications & Instrumentation (ASECI-2016) at VRSEC, Vijayawada, 22nd - 23rd Oct.

Dept. of ECE

- Mr P.Rakesh Kumar, Mr V.Ravi Sekhar Reddy & Mr B.Y.V.N.R.Swamy attended a 5-day workshop on Design and simulation of Antennas & Microwave Devices using ANSYS HFSS at Shri Vishnu Engineering college for women, Bhimavaram, 3rd- 07th Oct’16.

Dept. of IT

- Dr. D. Naga Raju presented a paper entitled, “Enhanced Caesar Cipher Algorithm with variable length Key and increased Cipher Complexity” in the 3rd International conference on Engineering Technology, Dept. of Computer Science & Engineering, VRSEC, 17th-18th Oct’16.

- K. AnuPriya participated in the APSSDC-sponsored FDP on Cloud Computing, 22nd-25th Sep'16.
- M.Mahesh Kumar presented a paper entitled, "Student Performance Analysis using Educational Data Mining" in the 3rd International conference on Engineering Technology, Dept. of Computer Science & Engineering, VRSEC, 17th-18th Oct'16.
- T. Suresh presented a paper entitled, "Classification with active learning method in relevance feedback for content based image retrieval", in the 3rd International conference on Engineering Technology, Dept. of Computer Science & Engineering, VRSEC, 17th-18th Oct'16.
- A.Sarvani presented a paper entitled, "A unique Dimensionality Shrink Style for High dimensional Spatiotemporal Brain Signal Data based on Graph Signal Processing Theory", in the 3rd International conference on Engineering Technology, Dept. of Computer Science & Engineering, VRSEC, 17th-18th Oct'16.

Dept. of MECH

- S.Rami Reddy participated in a 2-day National workshop on "Challenges and Opportunities in Renewable Energy Collection and Utilization" at VR Siddhartha Engineering College, Vijayawada, 29th-30th Sept'16.
- P.Tagore Kumar participated in a 2-day National workshop on "Manufacturing of Advanced Materials" the University college of Engineering, Kakinada, 29th-30th Sept'16.

C. STUDENT ACHIEVEMENTS /ACTIVITIES:

Dept. of ECE

- 117 students participated in various Technical events at NIT Warangal, 21st -23rd Oct'16.

Dept. of MECH

- K.Gopi Krishna won First prize in "Mobile controlled Robotics" at Technozion'16,NIT, Warangal.
- K.Gopi Krishna won Second prize in "Mouse Trap Racer" at Technozion'16 ,NIT, Warangal.
- P. Naveen Kumar, A Sekharam, K Praneeth, V. Deepak Kumar, M.Praneeth & P.Subhakar shortlisted for MAKE IN INDIA Paper presentation competition at Satyabhama University, Chennai on 19th Oct'16.
- 25 students participated in Technozion'16 in association with Telangana Tourism & British council at NIT Warangal on 20th & 21st Sep'2016.
- III B-Tech students visited G.S.Alloy Industry, Vijayawada, on 19th & 20th Oct'16.



Dept. of Civil

- B.Tech Civil Students visited Hospital Waste Management plant organized by Safe Environ, near NRI Hospital on 22nd Oct'16.



Students of Civil Engg. @ Industrial Visit

D. NSS ACTIVITIES:

- LBRCE NSS unit organized an Awareness Programme- “Go Green” on 04th Oct'16 in the college campus.



Go Green program in progress...

- LBRCE NSS UNIT celebrated the 85th Birth Anniversary of former President & Statesman, **Dr.A.P.J.Abdul Kalam** on 15th Oct'16. A number of contests were conducted to mark this day.



Director posing with winners after garlanding Abdul Kalam's portrait

E. SPORTS & YOGA :

- M.D.Ibrahim (Gold Medalist), B.Madan Kumar (Silver Medalist) did the college proud at the Weight Lifting held at Indira Gandhi Stadium, Vijayawada, Oct'16.



Winners posing with Director Dr.E.V Prasad

LBRCE IN NEWS

కాంపిటెన్సీ డెవలప్‌మెంట్ ప్రోగ్రామ్ ప్రారంభం

వైఎస్ఆర్ ఇంజనీరింగ్ కాలేజీలో కాలానుగుణ్యంగా ఉన్న టెక్నాలజీలను అభ్యసించేందుకు ప్రోగ్రామ్ అభివృద్ధి చేయడం ప్రధాన లక్ష్యం. ప్రోగ్రామ్ కు ప్రాధాన్యత ఇవ్వడం ద్వారా విద్యార్థులకు అవకాశం కల్పించడం ప్రధాన లక్ష్యం. ప్రోగ్రామ్ కు ప్రాధాన్యత ఇవ్వడం ద్వారా విద్యార్థులకు అవకాశం కల్పించడం ప్రధాన లక్ష్యం.



ప్రొగ్రామ్ ప్రారంభం కార్యక్రమంలో పాల్గొన్న ప్రధాన అధికారులు.

ప్రొగ్రామ్ కు ప్రాధాన్యత ఇవ్వడం ద్వారా విద్యార్థులకు అవకాశం కల్పించడం ప్రధాన లక్ష్యం. ప్రోగ్రామ్ కు ప్రాధాన్యత ఇవ్వడం ద్వారా విద్యార్థులకు అవకాశం కల్పించడం ప్రధాన లక్ష్యం.

ఎంటర్ప్రైజీస్ డేవలప్‌మెంట్ ప్రోగ్రామ్



ఎంటర్ప్రైజీస్ డేవలప్‌మెంట్ ప్రోగ్రామ్ ప్రారంభం.

వైఎస్ఆర్ ఇంజనీరింగ్ కాలేజీలో కాలానుగుణ్యంగా ఉన్న టెక్నాలజీలను అభ్యసించేందుకు ప్రోగ్రామ్ అభివృద్ధి చేయడం ప్రధాన లక్ష్యం. ప్రోగ్రామ్ కు ప్రాధాన్యత ఇవ్వడం ద్వారా విద్యార్థులకు అవకాశం కల్పించడం ప్రధాన లక్ష్యం.

ఎర్రకోటలో అభివృద్ధి సదస్సు

వైఎస్ఆర్ ఇంజనీరింగ్ కాలేజీలో కాలానుగుణ్యంగా ఉన్న టెక్నాలజీలను అభ్యసించేందుకు ప్రోగ్రామ్ అభివృద్ధి చేయడం ప్రధాన లక్ష్యం. ప్రోగ్రామ్ కు ప్రాధాన్యత ఇవ్వడం ద్వారా విద్యార్థులకు అవకాశం కల్పించడం ప్రధాన లక్ష్యం.



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