AICTE-sponsored two-day National Seminar on ‘Role of Smart Grids in Smart Cities: Challenges & Solutions’

AICTE-sponsored two-day National Seminar on ‘Role of Smart Grids in Smart Cities: Challenges & Solutions’ was organized from 15th to 16th September 2017 by the Department of Electrical & Electronics Engineering to discuss widely the importance of Smart grids.

The Seminar was inaugurated by our chairman Dr. M.V.Ramana Rao and Chief Guest, Sri A.Viswanath, Chief of Southern Region, PTC India Ltd., Guest of Honour Sri. D.Rama Krishna, Managing Director, Efftronics, Special Invitees Sri Raavi Vishnu, Managing Director, Cosyn, Hyderabad, Sri Sewan Cho, CEO, Media Info Comm, Korea, Sri M.Seeta Ram, MIC Electronics Ltd, Hyderabad, Vice Chairman N. Srinivasa Rao, CEO D.Pandurangarao, Principal Dr Y.Sudheer Babu, HOD Dr. T. Vamsee Kiran & Coordinator Dr. A. V. Naresh Babu graced the inaugural session. The following is the schedule:

15th September 2017
Session-1: Smart Grid Technologies by Dr M. Vinod Kumar, Professor in EEE Dept,
Session-2: Scenario & Operation of Indian Power Grid -I by Mr B. Raju
Session-3: Scenario & Operation of Indian Power Grid -II by Mr B. Raju

16th September 2017
Session-1: Overview of Smart Grid & Smart Cities by Dr Y. Pradeep Kumar, Asst.Prof in IIT H
Session-2: Demand Site Management by Dr Y. Pradeep Kumar, Assoc.Prof in IIT H
Session-3: Role of Power Electronic Converters I Micro & Smart Grids-I by Dr. K. Siva Kumar, Assoc. Prof in IITH
Session-4: Role of Power Electronic Converters I Micro & Smart Grids-II by Dr. K. Siva Kumar, Assoc. Prof in IITH

The Valedictory Programme was graced by CEO D.Pandurangarao, Principal Dr Y.Sudheer Babu, HOD Dr T.Vamsee Kiran, and Coordinator of the Seminar Dr A.V. Naresh Babu.

Faculty & PG Students from various engineering colleges participated actively in the two day national seminar and appreciated the management for conducting the seminar.
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<th>DEPT</th>
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<th>AUTHORS</th>
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<tbody>
<tr>
<td>EEE</td>
<td>Fuzzy based Speed control of SRM drive for PV Integrated EV system</td>
<td>International Journal of research (IJR), Vol No: 04, Issue No: 9, Aug 2017, ISSN Number: 2348-6848</td>
<td>U. Sravya</td>
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<td>EEE</td>
<td>Compensation of Harmonics by Reduced-Rating Dynamic Voltage Restorer with a Battery Energy Storage System</td>
<td>IJEDR, Vol No: 05, Issue No: 3, Sep 2017, ISSN Number: 2321-9939</td>
<td>S. Ravikanth</td>
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<tr>
<td>ECE</td>
<td>Energy Efficient Code Converters using Modified Positive Feedback Adiabatic Logic</td>
<td>International Journal Of Innovative Research In Engineering And Applied Sciences (IIJREAS) 2455-1015</td>
<td>B. Anil Babu</td>
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<tr>
<td>ECE</td>
<td>Design and Performance of Resonant Spacing Linear Patch Array with Mitered Bend Feed Network for Wireless Applications</td>
<td>Indian Journal Of Science And Technology, Vol 10(31), August 2017, ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645</td>
<td>D. Prabhakar</td>
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<td>BED</td>
<td>Prime &amp; Semiprime Bi-ideals of A-So-rings</td>
<td>International Journal of Pure and Applied Mathematics (IJPAM), Vol. 113, No. 6</td>
<td>Dr. P. V. Srinivas</td>
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Faculty Participation & Paper Presentation in Conferences

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<tr>
<th>Dept.</th>
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<tr>
<td>ME</td>
<td>Water absorption characteristics of successive alkali treated jute/polyactic acid composites</td>
<td>International Conference on Advances In Materials And Manufacturing Applications</td>
<td>17th to 19th August 2017</td>
<td>Dr. G. Rajesh, A. B. N. Lingaiah, A. V. Ravi Kumar</td>
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<td>CSE</td>
<td>A Novel Approach for Hydropower Generation Basedon Giant Wheel Model</td>
<td>International Conference on Smart Technologies and Management for Computing, Communication, Controls, Energy and Materials, Veltech Dr. RR &amp; Dr. SR University, Chennai</td>
<td>2-4 August, 2017</td>
<td>Dr. P. Srinivasulu, R. Venkat, V. L. Chetana</td>
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<td>CSE</td>
<td>A New Approach for Clustering Large Data using Fuzzy C-Means (FCM) Clustering and Optimizing with Gravitational Search Algorithm (GSA)</td>
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**Departmental Activities : CE**

**Engineers’ Day Celebrated**

15th September 2017 which marks the 156th Birthday of Sir Mokshagundam Visweswariah, was celebrated as Engineers’ Day by the Alliance of Civil Engineering Technology (ACET), the association of Civil Engineering students of MIC College of Technology.

Welcoming the gathering, Mr. N V Subba Rao, Head of the Department of Civil Engineering, described the achievements of Sri M.Visweswariah and exhorted the students to take Sri Visweswariah as an inspiration and achieve success in their careers. Several students of Civil Engineering, in their speeches, extolled the great contributions of Sri Visweswariah and promised to follow in his footsteps.

Dr. M V Ramana Rao, Chairman MIC along with Sri D Pandu Ranga Rao, CEO and Dr. Y Sudheer babu, Principal were present on the occasion and conveyed their best wishes to the students. Earlier in the day, competitions like JAM, General Quiz, Technical Quiz were conducted and winners were given prizes.

**Indira Sagar (Polavaram) Project Visited**

65 students of IV B.Tech CE visited the construction site of Polavaram on 9th September 2017. They observed various aspects like spillway foundation, diaphragm wall and other technical details.

The project reservoir has live storage capacity of 75.2 TMC at canal’s full supply level of 41.15 meters MSL and gross storage of 194 TMC thereby enabling irrigation of 23,20,000 acres of land in Krishna, East Godavari, West Godavari, Visakhapatnam, Vizianagaram and Srikakulam districts of the state of Andhra Pradesh.

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**Departmental Activities : EEE**

**Dr.K.L.Rao’s Birth Anniversary Celebrated**

Department of Electrical & Electronics Engineering celebrated Dr.K.L.Rao’s Birth Anniversary on 15th July 2017. Students participated in various technical events like Technical Quiz & Technical PPT. Prizes were given away to the winners of the events.

**Industrial Visits**

III B.Tech EEE Students visited 220 KV Chillakallu Substation at Jaggayyapeta on 18th September 2017

IV EEE Students visited NTTPS Ibrahimpatnam on 12th September 2017

III DEEE Students visited The RAMCO Cements Limited at Jaggayyapeta on 22nd September 2017

III DEEE Students visited Spintex Ind Pvt Ltd at Jaggayyapeta on 1st September 2017

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To succeed, you need to find something to hold onto, something to motivate you, something to inspire you. - Tony Dorsett
Departmental Activities: ECE

DST-sponsored Two-day Workshop on ‘DSP Architecture and Optimization Technologies’ Conducted

Department of ECE conducted a two-day workshop on ‘DSP Architecture and Optimization Technologies’ for the faculty and students of various engineering colleges.

DSP is an often used method in Bio-medical engineering research. This workshop is oriented towards the discovery and management of customized and adaptive biomedical information concerning the assisted users, organisational workflows and living situations. Signal processing in e-health is deployed by means of layers of distributed components from smart sensors to mathematical models in computing provider centers.

M.G.P.L. Narayana, Vice-President & Chief Scientist, TCS, Dr. Rama Subba Reddy, Professor, IIT Madras, T. Anil Raju, Associate Professor, LBRCE, Mylavaram, and Dr. S. Muttan, Professor & Head of ECE, Anna University, Chennai were the Resource Persons.

In the Forenoon Session on 23rd September 2017, the Chief Guest M.G.P.L. Narayana, Vice-President & Chief Scientist of TCS delivered a lecture on ‘Leadership skills for surviving and thriving in modern times’. In the Afternoon Session, Dr. Rama Subba Reddy, Professor of IIT Madras gave suggestions and procedures to apply various techniques of optimizing DSP architecture.

On 25th September 2017, in the Forenoon Session T. Anil Raju, Associate Professor of LBRCE delivered a lecture on the latest advancements in DSP Architectures. In the Afternoon Session, Dr. S. Muttan, Head ECE Dept. Anna University, delivered a lecture which helped the students to relate the whole theory to practical aspects. The two sessions are purely interactive sessions that helped the faculty and students of ECE department to update their knowledge of the technologies of optimizing DSP Architectures.

DST-sponsored Two-day Workshop on ‘DSP Architecture and Optimization Technologies’ Conducted

Departmental Activities: CSE

Personality Development Session Conducted

Prof. Sandhya Kode, IIIT Hyderabad is one of the esteemed stakeholders of the Computer Science and Engineering Department. She visited the department on 23rd September 2017. In view of her visit to the department, an orientation session was organized to the second year students. Prof. Sandhya K motivated students with regard to their studies and advised students to have a flair towards practical knowledge. She focused on the importance of maintaining good health.

Let us always meet each other with smile, for the smile is the beginning of love. - Mother Teresa
CSI-sponsored two-day Workshop on ‘Internet of Things and Applications’ was conducted from 25th to 26th July 2017 to create awareness on emerging Technologies and tools for II CSE students.

During the first day, the speaker Mr. Ahmed gave an insight into the fundamentals of Internet of Things, Technologies behind IoT, the business advantages and the other terminology related to the Internet of Things. During the second day of the Workshop, students were made to develop IoT applications using the available resources to solve the real world problems. With the inputs given by the trainer the students came out with some good application solutions. The training program concluded with the remarks given by Dr. A. Jayalakshmi, Head of the Department, CSE.

**Two Day Workshop on ‘SQL and PL/SQL Programming’ Organized**

A two-day Workshop on ‘SQL and PL/SQL Programming’ was organized in collaboration with the CSI to create awareness on the recent developments and practices in SQL and PL/SQL for III CSE students from 27th to 28th July 2017.

The Resource Person Mr. Prakash Chakravarthi, a freelance consultant, provided an insight into the fundamentals of SQL, writing Queries and the importance of PL/SQL in the industry. During the second day of the Workshop, more emphasis was given on writing complex queries and analyzing real world situations. The training program concluded with the remarks given by Dr. A. Jayalakshmi, Head of the Department where she encouraged the students to learn good programming languages to sustain in the IT Industry.

**Engineers’ Day Celebrated**

Engineers’ Day was Celebrated on 15th September 2017 in memory of Sir Mokshagundam Visweswariah. As a lead up to the day, various competitions were conducted in events like Programming Contest, Biz Talk Startup Idea Contest, Just A Minute and Project Expo to the students of Department of CSE.

On the day, Technical Paper contest and the Poster presentation Contests were conducted. Dr. M. V. Ramana Rao, our Chairman, Sri M. Srinivas Rao, Director(P&D), Dr. Y. Sudheer Babu, Principal graced the event. In the valedictory session, prizes were distributed to the top performers in the competitions. Participation Certificates were distributed to all the participants.

**Stakeholders’ Meeting**

As part of continuous improvement, the department organizes Stakeholders’ Meeting with all the stakeholders of the department on a regular basis. This year the meeting was organized on 8th September 2017. The counselors prepared the information related to the students such as the internal marks, attendance and other discipline particulars. Approximately, parents of 100 students attended the meeting. Parents were given information and guidelines regarding the promotion and detention rules pertaining to attendance and credits. Each of the parents was distributed with a report of their respective wards’ performances.

*Sometimes the heart sees what is invisible to the eye.* - H. Jackson Brown, Jr
**NSS Activities**

**Distribution of Note Books at Perakalapadu**
Every year the college NSS unit distributes notebooks for the children of the adopted MPUP School Perakalapadu. It supports the parents who cannot afford to educate their children. For the academic year 2017-18, the college NSS unit distributed 2000 notebooks and stationery to 143 children of MPUP School, Perakalapadu. The books were donated by the students our college to help the needy. The NSS volunteers organised “Donate one note book” program on the campus and collected the books from students of all the classes. The occasion was graced by Principal Dr.Y.Sudheer Babu and Sri.L.Chitti Babu, MEO, Kanchikacherla Mandal.

**Distribution of Note Books at Pendyala**
For the last three years, the NSS unit has been donating note books to the children of MPP School at Pendyala colony. This year, the NSS unit donated 1400 note books to 145 children. The books were collected from the faculty of our college. Some of the old books were also recycled to prepare new books. 400 books were donated by Ms.Lakshmi Annapurna, founder of Margam Foundation Vijayawada.

**Blood Donation Camp**
NSS Unit organizes Blood Donation Camp on the campus every year. This year blood donation camp was conducted on 15th July 2017 in association with Lions Club of Vijayawada VRK Nagar Mahila. 308 students including some of the staff members donated blood. A total of 2200 units of blood was collected during these 9 years. The programme was inaugurated by Ln. P.Subhash Babu, Lions Club Global Service Team coordinator, and Sri D.Pandu Ranga Rao, CEO, MIC College of Technology. Ln. Vijaya Rani, President, Lions Club of Vijayawada VRK Nagar Mahila, Ln. Devineni Joni Kumari, District Chair Person for Vision Care, Dr. C.V.Siva Narayana, Medical Officer, Lions Blood Bank, and Sri M.Vinod Kumar, Manager, Lions Blood Bank were present during the camp inauguration.

**Vanam-Manam**
Knowing the importance of environmental protection and the facts of pollution, the NSS volunteers planted 250 saplings starting from the national highway to the end of Perakalapadu Village on the occasion of World Ozone Day on 16-08-2017. For the last 8 years, the NSS unit has planted more than 2000 saplings in the adopted village and also in the college premises. All the planted saplings were given protection with the help of cement tree guards. The tree guards were donated by various donors from the village as well as alumni of MIC and NSS unit.

**Training & Placement Activities**

**Launching of Certification Programmes in Association with Manipal ProLearn**

Certification programmes in association with Manipal ProLearn – a wing of Manipal Global Education Services were launched in the college on 25th September 2017. The Certification programmes were launched by the Chief Guest of the day Mr. S. Krithivasan, Head, Talent Acquisition Group, VirtusaPolaris. Speaking on the occasion, he congratulated the management of the college for initiating certification programmes on the campus to strengthen the student community with the skills necessary to face the competition in the world today. He encouraged the students to make use of the opportunities provided by the college and fortify their skills. Later in the day, an MoU was signed between Manipal Global Education Services represented by Mr. Diptendu Gupta and Dr. Y.Sudheer Babu, Principal of the college. Sri D. Panduranga Rao, CEO and Sri CVVD Sreekanth, Chief Training and Placement Officer graced the occasion.

*A good teacher can inspire hope, ignite the imagination, and instill a love of learning.* - *Brad Henry*
“Books are the quietest and most constant of friends; they are the most accessible and wisest of counsellors, and the most patient of teachers,” says C.W.Eliot. People who read beyond their academic subjects get a myriad of benefits. The world of books is the most remarkable creation of man. In the world of books are volumes that have seen this happen again and again, and yet live on, still young, still as fresh as the day they were written. Books encourage you to live a fuller, richer, and more meaningful life. Francis Bacon says, “Some books are to be tasted, others to be swallowed, and some few to be chewed and digested.” Here is a list of 9 books that are to be chewed and digested by students:

1) 7 Habits of Highly Effective People
The self-help book written by Stephen R Covey presents an approach to being effective in attaining goals. The book motivates you to balance personal and professional effectiveness to help one achieve success in all aspects of life. This Covey's best-known book has sold more than 25 million copies worldwide since its first publication. The 7 habits are: 1) Be proactive 2) Begin with the end in mind 3) Put first things first 4) Think win-win 5) Seek first to understand, then to be understood 6) Synergize and 7) Sharpen the Saw. Find your voice and inspire others to find their was the 8th habit included by Covey in his book The 8th Habit: From Effectiveness to Greatness (2004).

2) How to Win Friends and Influence People
Originally published in 1936, the lessons of Dale Carnegie’s classic self-help book are relevant to this day. No matter if you’re in college or at any stage of your career, understanding how to connect with other people is one of the greatest lessons you can learn. This book teaches you how to nurture relationships, have meaningful conversations with anyone you talk to, and win over people who think differently from you. Especially in today’s world of online influences and social media, it’s more important than ever to learn how to be influential in your career and social life.

3) You Can Win
With this conventional self-help book, Shiv Khera has managed to reach out to everyone with his simple yet powerful ideas. The best thing about the book is the simple language which Indian students can easily comprehend. You Can Win focuses on achieving success through personal growth and a positive attitude. The book is replete with a lot of catchy quotes. “Winners don’t do different things, they do things differently” is a classic example from the book.

4) The Monk who Sold his Ferrari
Published in over 42 languages, this No.1 International Bestseller offers answers to life’s biggest questions as well as a practical process to help you create prosperity, vitality, happiness and inner peace, in wonderful poetic prose. It portrays the personality development journey of Julian Mantle and his best friend John. This inspiring tale, which is highly symbolic in nature, provides a step-by-step approach to living with greater courage, balance, abundance, and joy. Some of the lessons the book teaches are:

- Develop Joyful Thoughts
- Follow Our Life’s Mission and Calling
- Cultivate Self-Discipline and Act Courageously
- Value Time as Our Most Important Commodity
- Nourish Our Relationships
- Live Fully, One Day at a Time

5) A Brief History of Time
Stephen Hawking, one of the most brilliant theoretical physicists in history, wrote the modern classic A Brief History of Time. It helps the common people understand fundamental questions of physics and our existence: Where did the universe come from? How and why did it begin? Will it come to an end, and if so, how? Hawking attempts to deal with these questions using minimum technical jargon. Gravity, black holes, the Big Bang, the nature of time and physicists’ search for a grand unifying theory are the topics covered in this book.

6) Steve Jobs
Walter Isaacson who is famous for his biographies of Einstein and Benjamin Franklin has authored the life history of the legendary entrepreneur Steve Jobs. It is compiled using different interviews with Steve Jobs, and hundreds of people who knew him. This provides glimpses into the life and vision of one of the world’s most innovative minds. Isaacson objectively examines the personal and professional life of Jobs. This is an important book for anyone seeking creative and professional success.

7) The Google Story
This book by David A. Vise, Mark Malseed reveals the story behind one of the most remarkable Internet successes of our time. The book gives an account of the creation and growth of Google which has become a household name. The company was started in 1998 by Moscow-born Sergey Brin and Midwest-born Larry Page to “change the world” through a search engine that would organize every bit of information on the Web for free. The book talks about the amazing business acumen and computer wizardry that started the company on its astonishing course and the unconventional approach that has enabled it to challenge Microsoft’s dominance.

8) Wings of Fire
Wings of Fire covers Kalam’s personal life which is intertwined with the growth of ISRO. This autobiography gives a detailed account of his early life and his work in Indian space research and missile programs. It is the story of a boy from a humble background who went on to become a key player in Indian space research/Indian missile programs and later became the president of India. The book covers a lot of “behind the scene” information and technical details about India’s satellite and missile program.

9) The Last Lecture
Randy Pausch, a computer science professor at Carnegie Mellon, had been diagnosed with terminal cancer when he was asked to deliver his “last lecture”—a tradition in which professors give a lecture as if it were their final one before retirement. For him, it was his last lecture, and “Really Achieving Your Childhood Dreams” became a moving and renowned discussion of the importance of overcoming obstacles, empowering others to realize their dreams, and making the most of every moment. He urges you to pursue the life you truly desire, without limiting yourself to the constraints of society or what you’re “supposed to do.”

Pawel V
Assistant Professor of English