## Message from Dr. Lakshminarayana Merugu, Chair, IEEE Hyderabad Section

IEEE Hyderabad Section has completed an eventful year 2016, and as we enter 2017, hope that the Section would be more active and direct its efforts to provide a valuable experience to all its members. In 2016, we received "R10 Outstanding Large Section Award". I have strong hope that in near future we become an Outstanding Section at the MGA level and place IEEE Hyderabad Section at a significant position on the IEEE International map.

The strength of the Section lies on the Society Chapters who organize various programs and events for members. This is the only Section in R10 which has three Subsections: Guntur, Vizag Bay, and Ananthapuramu (newly formed), and I wish to see a good number of quality programs organized in these Subsections. I urge the Society Chapters to focus on conducting programs in the Sub-sections so that the members of these regions could derive the membership benefits.

The Section during this quarter has conducted about 70 high quality technical events in association with different Chapters. Most notable events conducted in the last quarter of 2016 include: One day workshop on UAVs/Drones organised by Industry Relations Committee (IRC), AICSC organised by Computer Society, VLSI design conference technically cosponsored by CAS/EDS Chapter.

Keeping in view with the motto of IEEE "Advancing Technology for Humanity", the program on 'Awareness on Power Line Safety' sponsored by Industry Applications (IA) Society was taken-up. I am pleased to mention that a video was made on the program and uploaded in ieee.tv . Number of field trips were organized in rural areas around Hyderabad under the leadership of C. Satish, LSM & project coordinator, SIGHT. WIE AG, SBs and Vizag Bay Subsection conducted various programs for women, blind students and tribal girls across the section.

Students from academic institutions are showing more interest to join IEEE. I am also pleased to note that 14 new Student Branches, 10 new SB Chapters and 6 new SB WIE were formed in 2016. The SBs reported a total of 283 programs which is commendable, I urge all the student branches to continue their efforts in 2017 and encourage the final year students who will graduate this year to continue their IEEE membership and be a part of the Young Professionals group.

I am happy to note that Mr. N. Venkatesh, an entrepreneur, is taking over as the Secretary of Hyderabad Section for 2017, and hope that his tenure will strengthen the Industry Relations with the Section. At the same time, I would like to put on record the services rendered by Mrs. Madhumita Chakravarty, outgoing Secretary, for her significant contributions towards growth of Section in the last two years. With the new slate being announced in the AGM, I would like to urge the office bearers of the various Chapters to put in their best volunteering efforts to strengthen the Section.

The Future Directions Committee headed by Mr. C. Satish has come up with a set of draft Vision, Mission and Goals for the Section and has conducted a survey to get member feedback in this matter. I urge all the members to take active part in this activity to give right direction to the Section activities. Wishing for a very fruitful 2017 ahead.

With Warm Regards

Lakshminarayana Merugu

### IEEE Hyderabad Section Member Survey

Dear Member, This is a gentle reminder for your feedback, on your expectations from IEEE Hyderabad Section. Kindly help our section in creating better member experience. The survey form link is given below. This will take only 5 minutes. Kindly fill-up the form and submit by 20 March, 2017 to enable us to understand the expectations of the members from IEEE Hyderabad Section and reviewing its Vision, Mission, and Goals.
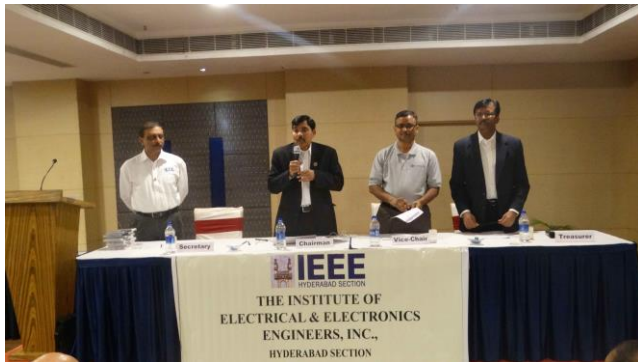
Survey Link - https://goo.gl/zy1H9e

### Call for articles / Individual member achievements

It is decided in the Section meeting that individual member accomplishments like publishing of a paper in IEEE journal/conference, taking up of a new position/responsibility (IEEE or any office of Public Interest), elevation to IEEE membership status, IEEE awards/Notable mentions can be mentioned in the newsletter under the achievements column to be started from next issue of newsletter. Please send in your articles/achievements for publication in newsletter to synapse.ieeehyd@gmail.com

## Annual General Body Meeting (AGM -2017)

The IEEE Hyderabad Section Annual General Body Meeting(AGM) for the year 2017 was held on Saturday, January 21, 2017 at Hotel The Plaza, Begumpet. A Hi Tea and Networking and Poster session by the Chapters/Affinity Groups highlighting the events and activities done in 2016 was held prior to AGM from 17.00 to 18.00. The SAGM started at 18.00 with welcome Address by chairman Dr. Merugu Lakshminaryana which was followed by Section activity report for 2016 by Dr. Madhumita Chakravarti.



The financial report for year 2016 was presented by the Treasurer, Mr. Sreenivas Jasti. The chairman of Future Directions committee, Mr. C. Satish presented the mission vision and goals of the IEEE Hyderabad Section formulated by the committee which is in process of seeking feedback from members in this matter. After the announcement of the new slate for 2017, Mr. N. Venkatesh took over as the Secretary of Hyderabad Section. The meeting ended with a vote of Thanks by Mr. Maruti Rao at 8.00 PM and was followed by dinner. About 140 IEEE members along with their families participated in the AGM.



## Section Student Congress SSC 2016

The Section student congress – SSC 2016 was conducted on 22 and 23 October 2016 in IETE Mekastar Auditorium. The congress started with a session by Mr. Kannan Rajagopalan, Past Section Chair in which he enlightened the gathering about benefits of membership and volunteering. This was followed by inaugural of the SSC by Chief Guest Prof. S. Ramachandram, Vice Chancellor, Osmania University. Mr. D. Venkata Rami Reddy and Ms. Vijayalaxmi Biradar conducted a session on Essential SB Operation Tools - Training to Office bearers. After lunch break, Mr. Madhav Negi, Chair MD Committee demonstrated the IEEE Collabratec platform which provides opportunity to network globally. An open forum on IEEE SB's and their problems was held with six execom members as panelists. The first day concluded with a talk on

Awareness on Electrical Safety Mr. C. Satish, Mr. Gopala Krishna Kuppa and Mr. N. Sreekumar.

The second day started with a session on Best practices in running IEEE student branch by Dr. Mohammed Arifuddin Sohel, Branch Counselor, IEEE MJCET SB. This was followed by a session on Indian Space program by Dr. Aparna, NRSC, Group Head. Parallely, Dr NV Rao, Dr Kannan, Dr.Atul Negi and Dr Koduri Srinivas judged the Exhibits put by various IEEE SBs and decided on the Vibrant SB Award and Emerging SB Award. The afternoon session had a talk on Social media by Suresh Kochhatil and a talk on Skill Development by Mr. P. Ravishankar, Chair, Skill development committee. The day concluded in the valedictory session in which Mr. DV Reddy proposed the vote of thanks and appreciated the efforts of Mr. Abhay Joshi and the SN team for the successful conduct of the SSC. About 300 students from across the states of Telangana and Andhra Pradesh participated.



## Homage to Prof. D V R Vithal



Prof. D V R Vithal , one of the founder members of our IEEE Hyderabad Section expired on 8th Nov 2016 after a brief illness. He was a Life Member of IEEE # 01358506 with a significant and continuous membership for nearly 59 years. His contributions to framing byelaws of the section , student activities, Nominations committee, student paper contests are exemplary. He motivated many students to join IEEE. He has been a regular participant in all our Section AGMs and was very supportive through his constructive suggestions.

He was responsible in starting M Tech course in Computer Science and Engineering at Osmania University Computer centre in 1981. He was with ECE department of Osmania University before retirement. His indomitable spirit, strong belief in principles, social service and Gandhian thought made him an exemplary personality. His association with Andhra Mahila Sabha is well known and he was regarded as a Gandhian.

He has been a true professional. He renewed his IEEE membership for 2017 in spite of his illness in November 2016 itself as per the traditions of IEEE. IEEE Hyderabad Section really lost a sincere and professional volunteer. Hyderabad Section in its AGM held on 21 Jan 2017 paid tributes to Late Prof DVR Vithal. May his soul rest in peace.
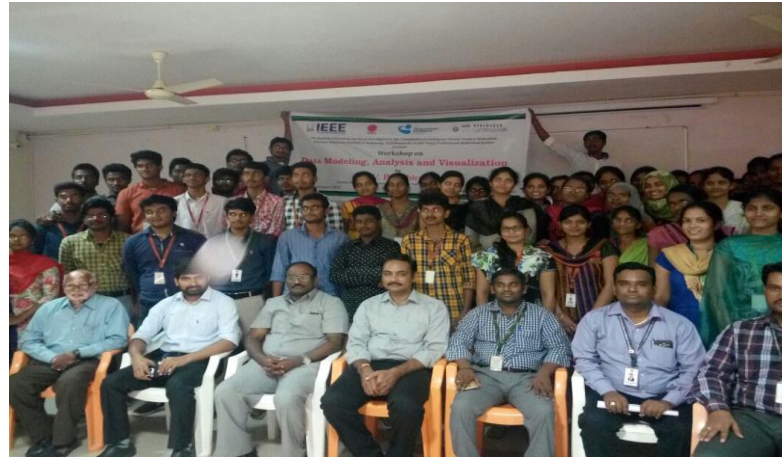
## Workshop on UAV/Drones organised by IRC

One day workshop on UAV/Drones was organised by Industray Relations Committee on 5th November 2016 at Hotel Marigold. Mr. P. Laxman Rao, Chair, IRC proposed the welcome address and **Dr. G. Sateesh Reddy, Scientific Advisor to Raksha Mantri & DG Missiles, DRDO inaugurated the event.** The workshop focused on recent technological advances, innovations in UAVs/Drones including civilian and strategic applications. Experts from R&D, Industry, Government and Academia. 84 participants registered (37 from Govt, 20 from private and 27 from academia) for the workshop. 4 speakers from Govt, 4 from private and 1 from academia delivered lectures on UAVs and Drones.



## IEEE CIS Chapter Activities
### Technical Talk on Intellectual Property: Creation and Management

A technical talk on innovations titled "Intellectual property: creation and management was organized at E-Classroom, Main building, university college of engineering, Osmania university, Hyderabad on 02 September 2016, 2:30 PM to 4:00 PM. The talk was delivered by Dr. Naresh Mallenahalli, Scientist at National Remote Sensing Centre, Hyderabad. The speaker initially explained the importance of innovations for the growth of an organization. He then dwelled on how one can nurture innovations and discussed the legal framework for its protection. Some case studies on obtaining patents and copyrights were presented. Around 40 participants took part in the proceedings of this session.



## Workshop on Data Modeling, Analysis and Visualization

A workshop was organized on Data Modeling, Analysis and Visualization at Srinivasa Ramanujan Institute of Technology, Ananthapuramu on 14th of September 2016 , 9:00 AM to 17:00. Dr. V. Pattabiraman Associate Professor in School of Computing Sciences and Engineering, VIT University, Chennai conducted the workshop. The workshop was focused on the importance and the role of Business intelligence in transforming data into actionable information. The participants were trained on R and Tableau tools for exploratory analysis.



## Technical Talk on Evolutionary Optimization in Industrial Applications

IEEE CIS Chapter Hyderabad Section in association with NRSC Engineers and Scientists Association (NESA) as a part of Engineers Day Celebrations Meeting organized a technical talk on "Evolutionary optimization in Industrial Applications" on 21-September 2016 from 11:00 AM to 12:00 AM at Auditorium, National Remote Sensing Centre, Hyderabad. The talk was delivered by Prof. Arya Bhattacharya, Mahindra Ecole Centrale, Hyderabad. The speaker provided an introduction to differential evolution with a use case on predicting the conditions of a Blast furnace in real time. More than 30 scientists and engineers participated in this event.

## Workshop on Effective CRM using Social Engagement & Machine Learning

A workshop on "Effective CRM using social Engagement and machine learning was organized by the chapter in association with Muffakham Jah College of Engineering and Technology and MJCET CIS Student Chapter on 01 October 2016 from 10:00 to 13:00 at Seminar Hall, MJCET, Banjara Hills, Road No : 3, Hyderabad. Ms. Bishnupriya and Mr. Kannan of Microsoft, India delivered talks as a part of this program. Ms. Bishnu Priya delivered a talk on databases and how CRM data is recorded in Microsoft Dynamics CRM. The next speaker Mr. Kannan gave an excellent interactive talk on how CRM database is reconciled in an automated manner based on the social interactions on web and other multimedia content using data mining techniques. This was followed by a very good question answering session with students. The event was graced with the presence of Dr. Lakshminarayana merugu, Chair Hyderabad section, Madhav Negi Membership development chair. The

IEEE CIS chapter is thankful to prof. Kaleem Fatima, Dr. Arif, Dr. Maniza for their help in organizing this event. Around 142 participants took part in this event, of which 130 were IEEE members and 12 non-IEEE members.

A workshop was organized on Online Sequential Learning Algorithm with Applications to Signal Processing and Control at Srinivasa Ramanujan Institute of Technology, Ananthapuramu on 5th of October, 2016 , 10:00 AM to 1:00PM. The seminar was delivered by Dr. Koshy George, Head, Centre for Intelligent Systems, PES University, Bangalore. The Seminar Focus was on faster learning algorithms such as sequential variants of the extreme learning machine for intelligent control of nonlinear systems. More than 130 participants took part in this event.

## Two day Workshop on Practical machine learning

In association with Osmania University college of engineering at a two day workshop on data science titled "Practical Machine learning & data science" was organized at Seminar Hall, First Floor, Department of Computer Science and Engineering, on 17th - 18th of October, 2016. A wide range of topics from statistical learning to cognitive machines were covered in this event. Practice sessions on R, python, NoSQL and MongoDB were held as a part of this program. The speakers from Industry and academia delivered the lectures. The speakers list includes Dr. Naresh Mallenahalli, NRSC, Prof. Neil Gogte, Keshav Memorial Insitute of Technology, Mr. Raghuram Lanka, Microsoft Digital India team, Mrs. Mahathi Mahabhashyam, Visual Studio Team Services in Microsoft and Prof. D.V.L.N. Somayajulu Chair, Electronics and ICT Academy. Around 67 members participated in this event.



## IEEE Computational Intelligence Society Open Day

An open day event was organized on 21st of October 2016, at JNTU Sultanpur from 9am – 3:30pm. The event received an overwhelming response from the student community. More than 100 students participated in this event. During the inaugural session Dr. Naresh Mallenahalli , Chair, IEEE CIS Chapter presented the road map of chapter growth and plan of activities. The inaugural was followed by a talk on statistical methods for data mining by Dr. Naresh.



In the next session Dr. Hitendra, Secretary IEEE CIS Chapter Hyderabad Section, delivered a talk on "Trends in data clustering". In this talk the speaker presented some improvements in k-means clustering through some innovative heuristics.
Ms.Vijayalaxmi, Chair IEEE WIE, Hyderabad Section, delivered a interaction session on membership and volunteering benefits of IEEE. The session was well received by the faculty and students.

## Technical Talk on Cuckoo search algorithm based environmental economic dispatch of microgrid system with distributed generation

In association with IEEE PES and Osmania University a technical talk titled "Cuckoo search algorithm based environmental economic dispatch of microgrid system with distributed generation" was organized at department of Electrical Engineering, from 2:30 PM to 4:30PM on 22nd October 2016.

The talk was delivered by Dr N.Kumarappan, Professor and Head, Department of Electrical and Electronics Engineering, Annamali University, Vice-Chairman, IEEE Madras Section.

There was an enthusiastic and huge response from participants'. The participants were students of both under graduate and post graduate level, research scholars, faculty of our department and faculty from other Engineering colleges and Industry.

The speaker briefed the participants about various Renewable Energy supplies, concept of Micro grid and distributed Generation. He focused the problems associated with conventional operational research Algorithms in concern with Economic dispatch for Micro Grid. Also, emphasis on advantages of Renewable Energy supplies along with their reliability with computational Intelligence approach especially by choosing Cuckoo Search Algorithm. He compared the Cuckoo Search Algorithm with conventional Particle Swam Optimization for reducing system generation cost and emission cost.

In association with NRSC, Engineers and Scientists Association, a technical talk was organized as a part of World Science day celebrations at National Remote Sensing Centre, Balanagar, Hyderabad on 10 November 2016 , from 11:00 AM to 12:30 PM. The talk titled "Deep learning- the hype, the myth and the reality " was delivered by Prof. Chakravarthy Bhagvati Dept. of Computer and Information Sciences in University of Hyderabad. The speaker gave an excellent introduction to semantic gap and Artificial Neural networks some issues in the learning algorithms and architecture. The speaker then introduced the audience to autoencoders, restricted boltzman machine, convolutional NN and deep networks. An excellent use case pertaining to Telugu OCR using Deep networks was presented. The event was attended by around 30 scientists and engineers.



IEEE CIS Chapter Flagship Event - John McCarthy Memorial Lecture Series

IEEE CIS chapter Hyderabad section initiated for the first time a flag ship event titled John McCarthy Memorial Lecture Series in 2016. As a part of this event a technical titled "Artificial Intelligence: the past, the present and the future" was organized at Kamat Lingapur hotel, Begumpet on 27th of November, 2016. The talk was delivered by Prof. CA Murthy, Machine learning Unit, Indian Statistical Unit, Kolkata. The speaker in his introductory remarks gave an excellent philophosial perspective on human learning and the semantic gap that needs to addressed for the machines to learn. Also, he brought out many ethical issues in artificial intelligence driven machines. The event was well received by the CIS community at Hyderabad. Around 25 professionals participated in this event.



The speaker Prof. C.A Murthy was felicitated by the IEEE Hyderabad section and IEEE CIS Chapter. Shri. Satish Chaprala presented a memento to Prof. CA Murthy and seen in the photograph Prof. B.L. Deekshatulu, Dr. Lakshminarayana Merugu , Dr. Naresh Mallenahalli and Dr. Hitendra.

IEEE CIS Chapter Distinguished Lecturer Program

IEEE Computational Intelligence society chapter Hyderabad section in association with Institute for development and research in Banking Technology (IDRBT) organized the IEEE CIS distinguished lecturer program on Friday, 9th of December 2016 from 9:15 to 10:15 hrs at Room 205, IDRBT, Castle Hills, Venkatadri Colony, Masab Tank, Hyderabad. The lecture titled

"BCI--Brain Computer Interface vs Bio-Computational Intelligence"was delivered by distinguished CIS lecturer Prof. Chin-Teng (CT) Lin. The talk was included as a part of IDRBT Research colloquium where in participants were present from pan India. The DL talk provided deep insights on human brain cognitive capabilities and its interactions with external physical environment. The DL introduced the audience to Biological aspects of human brain and later presented the usage of CI technologies in development of systems for monitoring and feedback. The future perspectives of the technology were presented at the end of the session. More than 40 students and professionals participated in this event.

A social evening was planned with the distinguished lecturer prof. CT Lin at Hotel Marriot, Hyderabad, India. The event was attended by Dr. Lakshminarayana Merugu, Chairman IEEE Hyderabad Section, Prof. Atul Negi, Past Chair, IEEE CIS Chapter Hyderabad Section, and office bearers Dr. Hitendra and Dr. Swarna. There were discussions on wide range of topics and also on future activities of IEEE CIS chapter Hyderabad Section.
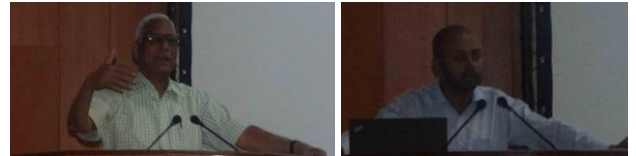


## IEEE CIS Chapter Membership Promotion Program - Computational Intelligence - Technology Expo and Collaboration Hotspot (CITECH)

IEEE Computational society chapter Hyderabad section organized a half a day membership promotion event titled "Computational Intelligence Technology Expo and collaboration hotspot" on 10th of December 2016 at University of Hyderabad, Telangana, India. The event was attended by around 100 participants representing both academia and Industry. The registration fee was waivered for all participants. Few eminent personalities such as IEEE CIS distinguished lecturer Prof. CT Lin, life fellows of IEEE Hyderabad section Prof. B.L. Deekshatulu, Prof. Yegnanarayana and Prof. Uday B. Desai, Director, Indian Institute of Technology (IIT) Hyderabad graced the occasion. The IEEE CIS distinguished lecturer Prof. CT Lin, delivered a talk titled "BCI--Brain Computer Interface vs Bio-Computational Intelligence" from 10:00 to 11:00 hrs. The DL talk provided deep insights on human brain cognitive capabilities and its interactions with external physical environment. The DL introduced the audience to Biological aspects of human brain and later presented the usage of CI technologies in development of systems for monitoring and feedback. The future perspectives of the technology were presented at the end of the session.



After the tea break from 11:00 to 12:00 hrs Prof. Yagnanarayana, Life fellow IEEE Hyderabad section, delivered a talk on "Boltzmann Machine – The basis for deep learning in ANN". The speaker highlighted the misnomer on deep learning saying that in quotes "It is not deep learning but learning in deep networks".



Later, Abhishek Choudhary of International Business Machines (IBM) delivered his talk titled "Artificial Intelligence and Medicine". The speaker introduced the audience to use of artificial intelligence in clinical decision making based on standardized questioner asked by doctors to their patients.



The IEEE CIS Chapter would like to put on record its sincere thanks to Demetrios Eliades, Chair of Chapters Subcommittee for the IEEE CIS membership promotion award.

## MTT Chapter Event - 6th Sir J.C. Bose Memorial Lecture

The MTT/AP/EMC JT chapter organised "SIR JC BOSE MEMORIAL LECTURE" & "MTT-S R-10 SB TALK" on 2nd Dec, 2016 at Hotel Mariott, Hyderabad from 1600Hrs. onwards. Dr. Ajay Poddar, Fellow, IEEE, delivered a lecture on Metamaterial Möbius Strips Casimir Effects: Applications in Sensors, Frequency Sources, and RF Energy Harvesting. The event was sponsored by Rhode and Shwarz India Pvt. Ltd.

## CAS Chapter Events – Panel Discussion on Career Opportunities

The CAS/EDS Chapter conducted panel discussion on Career opportunities in electronics sector at Vasavi Engineering College on 19 December 2016 from 3.00PM to 4.00PM. About 100 students participated. The panelists were Prof. K. Subbarangaiah, Veda IIT, Dr. Govindarajulu, Microsemi, Mr. V. Hanuma Sai, ams Semiconductors, Mr. N. Venkatesh, Redpine Signals. The session was moderated be Mr. A.G Krishnakanth, Secretary, CAS/EDS Chapter. The participants were made aware of the career options, expected salaries and the preparation methodologies to land a job in core electronics sector. It was very well received by the audience.



## Workshop on E Health in collaboration with CAS Indonesia

A workshop on E Health was organised on 7 December 2017 at MJCET from 9.30 AM to 12.30 PM. This was a collaborative event of CAS Hyderabad and CAS Indonesia. Prof. Soegjiardo, Chapter Chair of CAS Indonesia and Mr. Fabian Hadiatna, Research Scholar from Indonesia travelled from Indonesia to Hyderabad under the CAS Networking Initiative and presented this workshop. Mr. Joginder Tennikella, CEO of Vajra Infratech was the speaker from CAS Hyderabad side. In all there were three lectures. About 40 persons attended this workshop.



## Workshop on Future of Nano Electronics

A one day workshop on Future of Nano Electronics was organised by Auroras Scientific, Technical and Research Academy, Bandlaguda on 21 December 2016 at Hotel Katriya Somajiguda in collaboration with IEEE CAS/EDS Chapter of Hyderabad section. The key speaker for the workshop was Prof. Vijay K Arora, DL, EDS Society. The workshop witnessed a participation of over 100 delegates. It also included a talk by Mr. Madhav Negi, Membership Development Chair of IEEE Hyderabad Section.



## Technology and Engineering management Society Events
## Technical Talk on Robotics Process Automation

The Technology and Engineering Management Society conducted a Technical Talk titled "Robotics Process Automation" by Mr Anand Kumar, Senior Scientist, TCS Innovation Labs, Pune on 12 Dec 16, from 5pm to 7pm at Upper Durbar, 4th Floor, TCS Deccanpark Office, Madhapur, Hyderabad.



## Women in Engineering Affinity Group Events
## Workshop on Sustainable Practices

The IEEE WIE Affinity group of Hyderabad section organised a full day workshop on Sustainable practices ZPHS government school, Kavadipally village. The objective of this event was to impart the awareness on Sustainable practices to school children and women from rural background. 25 IEEE student members from five IEEE student branches 32 Non IEEE



members participated in this workshop held on 24 October 2016. The main speakers in this workshop were Dr.N.Dinesh Kumar, Counselor IEEE VITS SB and Ms.Vijayalaxmi, Chair IEEE WIE AG Hyderabad Section

## Imparting Enlightenment in Engineering Education in Tribal Girl Students (IEEE-TG)



The IEEE Vizag Bay Subsection in collaboration with IEEE WIE Hyderabad Section organised a program called Imparting Enlightenment in Engineering Education in Tribal Girl.(IEEE- TG) at two different locations. The first event was organised at Andhra Pradesh Residential Tribal Junior College, Paderu on 29 October 2016 in which 118 girl students from the college who are studying intermediate first year participated. The main speakers in this session were Dr. S. Lakshminarayana, Chair IEEE Vizag Bay Sub Section, Dr. P. Satheesh, Treasurer, IEEE Vizag Bay Sub Section, Sri P. Chandrasekhar, SAC, IEEE Vizag Bay Sub Section.

The second event was organized on 22 October 2016 at Andhra Pradesh Residential Tribal Junior College, Araku. The key speakers for this session were Dr. S. Lakshminarayana, Dr. Abraham Varghese, Dr. T.S.N. Murty, Dr. P. Satheesh, Dr. N. Deepika Rani, WIE Co-coordinator, IEEE Vizag Bay Sub Section and Sri P. Chandrasekhar, SAC, IEEE Vizag Bay Sub Section. 92 girl students Participated in this workshop.



## R10 50TH YEAR ANNIVERSARY CELEBRATION & LAUNCHING ALL HYDERABAD IEEE WIE AG NETWORK

On 1st November 2016, The IEEE WIE AG of Hyderabad section launched the All Hyderabad WIE Affinity group as a part of R10 50th year celebration. The main speakers for the session were Ms. Madhumita Chakravarti, Secretary IEEE Hyderabad Section and Past Chair IEEE WIE AG Hyderabad Section and Ms.Vijayalaxmi, Present Chair IEEE WIE AG Hyderabad Section. Further the Celia Shahnaz, Coordinator, R10 IEEE WIE AG, Takako Hashimoto, International Chair, IEEE WIE AG, Preeti Kovvali, Database Engineer, Tech Mahindra connected to the program online. The objective of this event is to bring all New WIE AG's and inactive WIE AG's on a single platform to educate them about WIE history, L31 reporting, R10 funding process, WIE Awards and guide them to conduct various activities under R10 WIE and Hyderabad Section.

## COMSOC Chapter Events
## Distinguished Lecture by Prof. Hamid Krim

The IEEE COMSOC/SPS chapter organized a Distinguished Lecture by Prof. Hamid Krim, Professor at North Carolina State University on 13 December, 2016 from 4 PM to 5.30 PM at seminar hall, Muffakham Jah College of Engineering and Technology. He spoke on the topic "convexity, sparsity nullity in Machine Learning". There were about 100 participants in this lecture of which 25 were IEEE members. The lecture was followed by a Dinner at Hotel Golconda hosted by COMSOC chapter.

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|---|---|---|---|
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| **PES/IAS/PELS Society Joint Chapter** | | | |
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| **Photonics Society Chapter** | | | |
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| WIE Affinity Group | | | |
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