



**Message from Dr. Merugu Lakshminaryana
Chair, IEEE Hyderabad Section**



Season's Greetings. The special annual general body meeting (SAGM) was held on 9th July 2017. The Mission and Vision statement of Hyderabad Section prepared by the Future Directions Committee was released. I request all volunteers of the Section to align the programs with the mission and vision of the Section and to address across all membership categories. Dr. N.V. Rao, a founder member of IEEE Hyderabad Section was presented the "Section Outstanding Volunteer Award" for his excellent contributions towards strengthening the Section and grooming innumerable number of volunteers. It was a memorable occasion for the Section to have the presence of 12 past chairs to the SAGM.

Dr. Kukjin Chun, Director IEEE Region 10 visited Hyderabad and addressed our Section leadership. We could table various concerns of the Section regarding technical co-sponsorship of international conferences, funds transfer and other matters. Though the weather was inclement, majority of SEC members and past chairs joined the meeting. Dr. Chun was impressed with the commitment and resolve of IEEE Hyderabad section; he appreciated the efforts of Dr. V. Prasad Kodali for his significant efforts towards compilation of book on 50 years of history of Region 10.

The Sections Congress was held at International Convention Center, Sydney, Australia, during 11th -13th Aug 2017. This is triannual flagship event of IEEE. This year's theme was "Brilliant Minds – Bright Future". About 1200 members from 165 countries, 50 exhibits, and 200 speakers across the world have attended/ participated the Congress. Prof. Atul Negi, Past Chair, Mr. Vineet Kumar, Chair YP, and I represented the Hyderabad Section. The main aim of the congress is to network and build relationships with other volunteers within IEEE. To meet this and to collectively shape the future of and goals of IEEE, several breakout sessions and ignite sessions were organized.

I wish to appreciate the volunteering efforts of IEEE CAS/EDS chapter. They organized a CAS/EDS Research forum, a membership development workshop on Internet of Things and inaugurated a student branch CASS chapter at AGI. They have received good funding from parent society for conduct of these events. The Research Workshop organized by Young Professionals AG was very well received by the IEEE community. I feel there should be a concentrated effort to organize an annual Research forum/workshop at the Section level with area specific breakout sessions as there is a huge demand for such activities by section volunteers. The WIE zonal congress was very well organized at Warangal.

IEEE Hyderabad Section Mission and Vision

Vision:

To be an essential resource for the professional development in specific fields of interest of IEEE for the benefit of mankind.

Mission:

To provide a platform for knowledge sharing, networking, and career development to the local technical community.

2017 IEEE R10 Outstanding Volunteer Award
In recognition of outstanding contribution and services to IEEE
Hyderabad Section and IEEE Region 10,
Dr. Koduri Srinivas
Immediate Past Chair, IEEE Hyderabad Section
Has been selected for Outstanding volunteer award

2017 IEEE R10 Outstanding Student Volunteer Award
In recognition of leadership for Student WIE,
Ms. Shaik Suraiah Thaseen
Of G. Pulla Reddy College of Engineering(GPREC), Kurnool
Has been selected for WIE Outstanding Student Volunteer Award

IEEE Computer Society RICHARD E MERWIN SCHOLARSHIP Award
In recognition of his professional and academic efforts,
Mr. S. Sai Thejeshwar
Of Sreenidhi Institute of Science and Technology(SNIST), Ghatkesar
Has been selected for Richard E Merwin scholarship award

I encourage all chapters to plan and organize at least one event in Vizag Bay, Ananthapuramu and Guntur subsections. This is very crucial for membership development to improve our membership recruitment and retention.

I would like to congratulate Dr. Koduri Srinivas on being awarded with the Region 10 Outstanding Volunteer Award. His efforts and support to IEEE Hyderabad Section has brought about a significant change in the Section's financial matters. I would also like to congratulate the students – Ms. Shaik Suraiah Thaseen for Outstanding WIE student volunteer award and Mr. Sai Thejeshwar for Richard E Merwin Award.

We look forward to organizing the Section Student Congress in October and at a very active and happening last quarter of 2017. It is unfortunate that the Section Website is down for a long time and I hope this will be restored soon and functional. Finally, I appreciate the efforts of Mr. Kannan and Dr. Arif Sohel for bringing out this third edition of section newsletter.

All the best to all volunteers for their future endeavors.

Special Annual General Body Meeting (SAGM – 2017)

The IEEE Hyderabad Section conducted its Special Annual General Body Meeting(SAGM) on 9th July, 2017 at Hotel Plaza, Begumpet, Hyderabad. The SAGM began at 5 pm with networking over a poster session. All chapters and AGs put up a poster highlighting their activities. The formal meeting started at 6 pm with Chairman's address . Dr. Lakshminarayana Merugu, Chair of IEEE Hyderabad Section, started the meeting with a tribute to Maj. Gen. Bagga, past-Chair of the Section(1995-96). Dr. SC Bhargava spoke about Maj. Gen. Bagga first, followed by Prof. NV Rao.

Dr. Lakshminarayana then apprised the attendees on the Section's Future Directions Committee, and the Vision and Mission statement brought out by it. He then gave a briefing on the R10 Annual Meeting in Chiba, Japan, where the presentation to Hyderabad Section on winning the R10 Outstanding Large Section Award for 2016 was made. He mentioned that the number of technically co-sponsored conferences has been on the increase in India, while it has been reducing healthily in China. Dr. Lakshminarayana reiterated the Section's emphasis on the conference guidelines and approval process for technical co sponsorships of conferences by Hyderabad section.

Section Secretary, N Venkatesh, then gave his report that included an introduction to committee members of the Section Executive as well as the Chairs of the various chapters and affinity groups, apart from the executive committee members of the three sub-sections of Hyderabad Section. Chairman added that the Vizag Bay Sub-section's elevation process to full Section is in an advanced phase and the elevation could happen within the next few months. Section Secretary also informed the membership statistics of the Section and emphasized the need to encourage members to join the Society or Societies aligned to their areas of interest. The Secretary's Report was adopted by the SAGM, having been proposed by Raghunathan and seconded by Aditya Rao.

Section Treasurer, Srinivas Jasti, then gave report on financial status, presenting the Balance Sheet, funds allocation and expenditure. The Balance Sheet was adopted by the SAGM, having been proposed by BL Deekshatulu and seconded by Lakshminarayana Karre.

Awards and Nominations Chair, Dr. Koduri Srinivas, announced that Prof. NV Rao is awarded the Section's Outstanding Volunteer Award, for his tremendous contribution to the Section for more than 30 years. Prof. NV Rao was honoured with a shawl and presented a memento.

The Q & A session was lively, with several relevant questions being posed by the attendees and responded to by the SEC members. Dr. Balasubramanian asked how many conferences were in the roadmap. Chair replied with a list of some of the conferences scheduled - including an International Conference on Antennas and Propagation from the MTT/AP/EMC joint chapter, the National Communications Conference from the ComSoC/SPS joint chapter, and other conferences by CAS/EDS, and CIS/GRSS chapters. Aditya Rao asked about the state of the IEEE exhibits at the Birla Science Centre. Dr. Lakshminarayana Karre responded with the information that the 18 exhibits are going strong, including

the two exhibits CV Raman and JC Bose exhibits. He also said that some of the exhibits have been replicated at other centers.

There were questions on the IEEE Medical Insurance scheme, and it was mentioned that sufficient information is present in the India Council website and that the scheme was attractive. Prof. Atul Negi commended the Section and society chapters on the extent of grants received. There was a discussion on the forming of new society chapters like Robotics Society. Some of the members spoke about not getting emails regularly. The meeting ended with the attendees having discussions with each other over dinner.



Office Bearers of IEEE Hyderabad Section during SAGM 2017

Section's Outstanding Volunteer Award to Dr. N. V. Rao

Dr. N Vyaghreswara Rao, well known as N V RAO in IEEE Hyderabad section, has more than 36 years of active membership in IEEE and is Life Senior Member. He Joined IEEE at the time of formation of Hyderabad Subsection in 1981 and has been associated with Hyderabad Section Activities ever since. He volunteered by serving in almost all responsibilities: Chair Student Activities, Membership Development, Treasurer, Secretary, Editorial Board of our Section Newsletter, Chair Computer Society Chapter, Vice Chair and Chairman of Hyderabad Section in 2009. He volunteered as chairman Awards and Nominations committees for many times and introduced many volunteers to the Section. He has worked with Dr. Bhargava, Sri Satish, Dr. E Bhagiratha Rao, Dr. BL Deekshatulu, Dr. R K Bagga in Section Executive and also as a member of many conferences organized by the Section for the past 35 years. With Late Dr. R K Bagga, he volunteered at India Council level as Secretary during 1997 and 98. ACE-93, ACE-97, IA&AS, TENCON - 2008, INDICON-2010 are a few conferences in which he was actively involved. He was an active member of Publications committee for IA&AS that brought out IEEE Conference Proceedings, Printed in Hyderabad under the chairmanship of Dr. SC Bhargav. For his services in IEEE, he was awarded OUTSTANDING VOLUNTEER AWARD-1996 Region 10, the first recipient from INDIA and also from IEEE Hyderabad Section. The Hyderabad section is proud to present the Section's Outstanding volunteer Award to Sri. N.V. Rao Garu on the occasion of SAGM 2017.



Dr. N.V. Rao being awarded the Section outstanding volunteer award

Meeting with Dr. Kukjin Chun, Director, IEEE Region 10

The IEEE Hyderabad Section organised a special execom meeting to welcome Dr. Kukjin Chun, Director, R10 to Hyderabad on Tuesday, 18 July from 6.30 PM to 9.30 PM in Hotel Plaza at Begumpet. In spite of the bad weather, a large number of section ExeCom members including some past chairs of the section were present. The meeting started with Dr. M. Lakshminaryana welcoming the Dr. Chun and all SEC members with a brief presentation on history and current activities of Hyderabad section.

Dr. Chun appreciated the active role of Hyderabad section at the R10 level and mentioned that R10 is spread over 22 countries with 57 sections and 26 subsections. He communicated that in a recent decision of R10 each subsection should demonstrate a three-fold increase in membership and activities. He also expressed his concern that memberships in India are decreasing and that out of 1400 student branches only very few are active and as many as 400 have zero members.

An important point reiterated by Dr. Kukjin was that IEEE started with members from the Industry but in Asia Pacific region it is academically oriented. In its efforts to have improved industry participation IEEE is planning to have a new membership level between SMIEEE and FIEEE which would be that of an Industry member.

He also discussed about the MGA – STA initiative and encouraged the section to host more conferences to cater to local members without compromising on the quality. Dr. Kujin mentioned about two new initiatives of Future Directions committee at the IEEE headquarter level which is the Ethically Aligned Design(EAD) and Global Public Policy Initiative(GPPI). He appreciated the efforts of Dr. V. Prasad Kodali in preparing a book on the 50 years of history of Region 10 which is to be released during Sections Congress 2017 to be held at Sydney Australia from 11-13 August 2017. The meeting ended with a networking dinner hosted by Hyderabad Section in honour of the R10 Director.



Section ExeCom in meeting with R10 Director

IEEE CIS Chapter Activities

Workshop on "Hadoop Basics and Advanced" a part of "Machine Learning for Big Data Analytics Series"

A three-day workshop on Hadoop Basics and Advanced was organized at SRIT, Ananthapur from 28 to 30 July 2017. Mr. Swayam Prakash who is the Lead developer as Python, R &

Hadoop was the key resource person. The various topics covered in this workshop include Introduction to Big Data and Hadoop, Hadoop Distributed File System. The workshop was a huge success with 74 participants of which 11 were IEEE members. The participants were happy with the organization of the content and planning of the series of workshops focusing on one particular technology. Most of the participants were happy with the organization of the content and planning of the series of workshops focusing on one particular technology. However, the participants could not complete the necessary installations well in advance and due to this proposed content could not be covered.



A section of the audience during the Hadoop workshop

IEEE Computer Society Chapter Activities

Technology Trends are driving and making every individual to reskill themselves on new Digital trends. IEEE Computer Society Hyderabad Section has organized 1 Professional and 2 Technical Seminar events in the month of July 2017.

Agility in Today's World: Dr. Prithvi Raj from Tata Consultancy Services has driven a session explaining the emerging need of Agile Practices in implementing the projects. Session gave a lot of insights to explain the real-world scenarios and SAFE Agile Practitioner viewpoint while executing the engagements in Agile Way. It drawn out the concepts of Agility, Scrum, Agile in the IT Industry and how industries are adopting the Agile. This session was attended by over 30 participants.



Dr. Prithvi Raj receiving mementor and participant for workshop

Internet of Everything and Industrie 4.0 Revolution:

Dr Ram D Sriram, an IEEE Distinguished speaker from NIST driven a session on Internet of Everything and Industrie 4.0 Revolutions describing the evolution of the Internet, which has spanned several networks in a wide variety of domains, is having a significant impact on every aspect of our lives. These networks are currently being extended to have significant sensing capabilities, with the evolution of the Internet of Things (IoT). With additional control, we are entering the era of Cyber-Physical Systems (CPS). In the near future, the networks will go beyond physically linked computers to include multimodal-information from biological, cognitive,

semantic, and social networks. This paradigm shift will involve symbiotic networks of people (social networks), smart devices, and smart phones or mobile personal computing and communication devices that will form smart net-centric systems and societies (SNSS), which is also known as Internet of Everything in the U.S. and Industrie 4.0 in Europe. These devices – and the network -- will be constantly sensing, monitoring, interpreting, and controlling the environment. In this talk, Ram Sriram provided a unified framework for Internet of Things, Cyber-Physical Systems, and Smart Networked Systems and Societies, along with a brief introduction to Industrie 4.0. Ram Sriram also gave a view of different research issues and representative projects at NIST.



Dr. Ram D. Sriram with CS execom and participants

Convolutional Neural Networks and Deep Machine Learning:

Dr Kiran Gunnam an IEEE Distinguished Speaker from Velodyne LiDAR driven a very engaging session starting with a brief overview of Machine learning and Neural Networks. It proceeds to offer an in-depth treatment of Convolutional neural networks (CNN) and deep machine learning. Kiran has covered various architecture optimization techniques including data optimization, drop outs, layer patterns and sizing. Further, Kiran provided CNN visualization and a comprehensive case study of recent CNN architectures including AlexNet, ZFNet and GoogleNet.



Dr. Kiran Gunnam delivering the talk and with Computer Society Execom

IEEE PES/IAS/PELS Joint Chapter Activities

Webinar organized on Overview of SCADA and Smart Grid

A Webinar was organized on "Overview of SCADA and Smart Grid" with Dr. Shekhar Kelapure, General Manager - R & D, Power Research & Development Consultants Pvt. Ltd., Bangalore, as the speaker. The webinar was held on 26th July 2017, from 7.30 PM to 9.30 PM, and it had 20 participants. The webinar started with understanding control and operation function in a Power Systems. The various components of the conventional Power System Control were discussed followed by a discussion on natural changes in the smart grid. The operation and control in the Indian context were discussed by the Speaker.

Distinguished Lecture Program-Half day workshop organized on "Applications of Synchrophasors for Power System Operation and Control"

A Distinguished Lecture Program and Half day workshop was organized on "Applications of Synchrophasors for Power System Operation and Control" in association with Power Grid Corporation of India Ltd. The Speakers were Dr. Anurag K Srivastava, Director, Smart Grid Demonstration and Research

Investigation Lab (SGDRIL), Washington State University, USA, and Dr. NDR Sarma, Principal EMS Network Applications Engineer, PEAK Reliability, USA. The session was held on 31st July 2017 from 9:00 AM to 1:00 PM, at Conference Hall, Power Grid Corporation of India, Secunderabad. There were 42 participants from Power Grid, TS Transco, Consultant Engineers, Vendors and Faculty members. This workshop had two sessions. In first session, basics of PMU's, phasor estimation, need for PMU data quality solutions, review of possible applications, and synchrophasors based voltage stability applications were discussed. In the second session, use cases for integration of PMU data into control center operations discussed.



The Execom of PES/IAS/PELS chapter with the speakers Dr. Anurag and Dr. Sarma

Events by IEEE CASS/EDS Chapter

IEEE CASS/EDS Research Forum

The joint chapter of IEEE CAS/ED Societies organised the second IEEE CASS/EDS Research Forum at Hotel Kamat Lingapur on Sunday, 2nd July, 2017. The inaugural session was presided by Dr. Alex James, Chair, IEEE Kazakstan subsection and Dr. M. Lakshminaryana, Chair, IEEE Hyderabad section. In her welcome address, Dr. Kaleem Fatima, Chair, IEEE CAS/EDS Chapter mentioned that the first research forum was organised in 2016 and it was very well received and appreciated by the local IEEE community. This is the second forum and prominent speakers from International and national platforms have been invited as keynote speakers.

The first talk was on "How to Choose a research Topic and do Literature survey" by Dr. Atul Negi, Professor, UoH which was followed by a very invigorating keynote talk by Dr. Manoj Saxena, IEEE EDS R10 representative, on the topic "Best Practices in writing Conference / Journal Papers". He also gave a follow up talk on Research opportunities in area of Electron Devices and motivated the participants to choose this area for doing research. He highlighted the various research labs in the area of nanoelectronics that are extending their facilities to candidates desirous of pursuing M.E./ Ph.D in this area.



Dr. Manoj Saxena giving the keynote talk at research forum

In the post lunch session Dr. Arif Sohel gave a brief presentation on benefits of IEEE membership and a talk on Use of LaTeX software for technical writing was presented by Dr. Rahul Thothatil, Analog Design Engineer, ams

semiconductors India Pvt. Ltd. The next talk was on "Research opportunities in Circuits and Systems" by Prof. Alex Pappachen James, Chair, Electrical Engineering Department, Nazarbayev University, Kazakhstan.



A section of the audience at research forum

Mr. A.G. Krishnakanth, Secretary, CAS/EDS chapter gave a talk on "Effective conference presentations" and Dr. Kaleem Fatima, Chair, CASS/EDS chapter gave a talk on "Best practices in Thesis writing". The session concluded with participant feedback and certificate distribution.



Release of workshop CD by M. Lakshminarayana and other dignitaries.

CAS Membership Development workshop on Internet of Things

The CAS/EDS Chapter of IEEE Hyderabad section organised a Three-day CAS Membership Development workshop on Internet of Things in Collaboration with ECE department of Muffakham Jah College of Engineering and Technology. Internet of Things is the next big technology wave in the Electronics world and it is very important for every engineering faculty and student to keep themselves abreast with this new technology.

This three day workshop was organised from 26-28 August 2017 and it was fully sponsored by IEEE CASS Headquarters for an amount of USD 2000 under the CASS Outreach Program. Twenty one teams of three students each from across states of Telangana and AP participated in this workshop.

Dr. Mohammed Arifuddin Sohel, Professor and Head ECED, MJCET and also workshop coordinator presented the welcome address and informed the gathering that this workshop is being organised to spread the knowledge about IoT to other engineering college students from rural areas. Each participating team was presented with a take away IoT kit at the end of the workshop to enable them to build their own project after going back to their college and spread the message of IEEE CASS and encourage CAS memberships.

63 IEEE student members participated in the workshop and performed nine experiments based on NODEMCU IoT kit in the two days. On the final day of the workshop, an innovative idea design contest was organised and each team presented their ideas for tackling local problems using concepts of IoT. Dr. M. Lakshminarayana, Chair of IEEE Hyderabad section who was the chief guest of Inaugural session, stressed that gaining deep knowledge of the subject is the need of the hour. Many senior IEEE members from IEEE Hyderabad section attended the inaugural session and applauded the efforts of CASS chapter.

Janab Zafar Javed, Hon. Secretary, SUES appreciated the IEEE Hyderabad Section for its mission of knowledge dissemination and offered full support for all activities that will improve the employability quotient of engineers. Dr. Kaleem Fatima, Professor, ECED mentioned that a team of IEEE volunteers comprising of Prof. Atul Negi, Prof. P.A. Govindacharyulu and Prof. Arif Sohel and two students is travelling to Indonesia to conduct a similar workshop at ITENAS, Bandung, Indonesia from October 9-13, 2017, for which an amount of USD 4300 has been approved by IEEE CAS Headquarters under its outreach program.

The three-day workshop included lecture by Dr. P.A. Govindacharyulu on Introduction to IoT, by Dr. Arif Sohel on "Communication Technologies for IoT and API development for IoT", by Prof. Atul Negi on "Cloud computing and IoT" on 26 and 27 August which were interlaced with nine hands on experiment on IoT starting from very fundamental experiment like LED blinking to advance experiments like weather monitoring with Twitter updates and thingspeak cloud using BLYNK app. Finally, the event closed with an innovative idea design contest on 28 August 2017. A team from Aurora group of Institutions won the first prize for the idea on use of IoT in military application. The workshop closed with a very interesting panel discussion on "Real IoT design and Career and entrepreneurial opportunities in IoT" for which the panelists were Mr. PVS Maruthi Rao(on SKYPE), Mr. Gopalakrishna Kuppa, Mr. Joginder Tennikala, Mr. N. Venkatesh(on SKYPE). The session was moderated by Mr. A.G. Krishna Kanth, Secretary, CAS/EDS Chapter. IoT kits were distributed to each participating team in the valedictory session and cash prizes were given to the teams in innovative idea design contest. The teaching assistants who had a key responsibility of ensuring that every single participant could get the desired results, were felicitated with certificate of appreciation.



Participants of IoT workshop with faculty and organisers

Inauguration of CAS Chapter at IEEE AGI student branch

The CAS/EDS Chapter of IEEE Hyderabad section inaugurated student branch CAS chapter in Auroras Group of Institutions(AGI) on 6 July 2017. The chapter was approved on 28 June 2017 and to encourage the students and faculty of the college, the IEEE CAS/EDS execom decided to immediately inaugurate it. The inaugural session was held from 10.00AM to 12.00 noon, in which Dr. K.S. Rao, Director, AGI encouraged the students to actively participate in IEEE activities. Dr. Kaleem Fatima, Chair, IEEE, CAS/EDS Chapter mentioned about the various activities of the chapter since inception. Dr. P.A. Govindacharyulu, Immediate past chair, CAS/EDS Chapter highlighted about the role of IEEE Hyderabad Section in nurturing future leaders and promoting cause of IEEE. Dr. Arif Sohel, Vice Chair, CAS/EDS Chapter

gave a technical talk on Analog VLSI Design. He educated the students on the various career opportunities in the VLSI Design industry and encouraged them to take up research projects in this area and publish papers in IEEE Conferences. The talk was very well received by the audience, about 250 students attended the inaugural function and technical talk.



IEEE CAS/EDS Execom with officials of AGI

Science, Indian Institute of Technology Hyderabad gave a perspective on what makes a Research or Review Paper great.



The first day of the workshop ended with Mr. Subham Mandal, an active IEEE member, and a member of TUM Graduate School of Bioengineering guiding the research audience through Skype, on how to approach for research internship in Indian/Foreign Universities.

The second day of the Research Workshop began with a very informative talk on Industry and Collaboration, by Mr. MGPL Narayana, currently serving as the Vice President & Chief Scientist, Head BS&CC in Tata Consultancy Services, also the past chair of IEEE Hyderabad Section. The events proceeded with Dr. Amit Kumar, CEO and Chief Scientific Officer of BioAxis DNA Research Centre (BDR) Pvt Ltd talking on how to avoid plagiarism in manuscripts, which kept the audience hooked. The workshop also hosted Dr. Rajeev Sharma, working as a Scientist 'D' in interdisciplinary Cyber Physical Systems, Division of Ministry of Science and Technology, Department of Science & Technology, Govt. of India, Technology Bhawan, who talked to the audience on how to apply for Research Funding in Government or Private agencies by writing a good funding proposal, which was very well received.



The most appreciated talk of the two-day workshop however was delivered by Dr. KPJ Reddy from IISc, who is famous for the invention of Reddy tube. He spoke on how to take a research idea and convert it into a marketable product, but more than that, he has been an inspiration to listen to and his passion for research was evident in the enthusiasm with which he spoke and interacted with the audience.

While Dr. Dibakar Roy Chowdhury talked about how to get reviewer's opinions before submitting a paper and where to publish one's research findings, the two day workshop concluded with a very relevant talk on how to maintain health during pursuing one's research by Dr. K.S.Kamalakar, who is the Assistant Director, Physical Education, IIIT Hyderabad. The organising committee comprised of Young Professionals from the IEEE Hyderabad Section (Mr. Vinit Kumar Gunjan, Chair, Mr. Saurabh Jain, Vice Chair, Ms. Sanmithra Mudigonda, Secretary) and from IEEE IIIT Student Branch (Mr. Jitender Grover, Joint Secretary Young Professionals and Chair IIIT Student Branch and Mr. Pulkit Jain, Secretary). The Workshop was coordinated by the organising team with close to ten volunteers. All the participants were then handed over their participation certificates and the Research Workshop successfully concluded after accumulating the feedback from

Activities of IEEE Young Professionals Affinity Group

Research Workshop at IIIT Hyderabad

Two-day Research Workshop on how to get started with research was organised at IIIT Hyderabad, by IEEE Young Professionals Hyderabad Section, in collaboration with IIIT Hyderabad IEEE Student Branch with the research scholars, faculty and masters students as intended audience on 26th and 27th August, 2017. Close to 145 members have attended and benefitted from this workshop, which was the first of its kind and has garnered huge appreciation from various research participants and speakers alike.

Dr. M Lakshminarayana, Chair, IEEE Hyderabad Section, Mr. MGPL Narayana, past chair IEEE Hyderabad Section, and Mr. Sreenivas Jasti, Treasurer, IEEE Hyderabad Section graced the Workshop with their presence.



Prof. Kannan Srinathan, an assistant Professor at IIIT Hyderabad started the proceedings, and spoke about Philosophical discussions on some basic aspects of Research and provided a new perspective on why and how we can deal with research.

Prof. Kotaro Kataoka, a visiting assistant professor at Department of Computer Science and Engineering, Indian Institute of Technology Hyderabad, addressed the problem of "Silo Mind" which makes researchers narrow-sighted and marginal in terms of their outcome and discussed the importance of de-siloing research mind, while Prof. Joshi from the same institution enlightened the audience on how to establish research collaboration with researchers in your domain.

While Prof. Pradipta Biswas, IISc spoke on how to further apply for Research degrees outside India, Prof. Ranjith Ramadurai, an associate Professor of Department of Materials

most of the audience and speakers present at the closing ceremony.



Member Achievements

Journal Publication: The paper titled “A 6V to 18V Hybrid Power Management IC with adaptive dropout for improved system efficiency upto 150°C” has been accepted in IEEE Power Electronics special issue on Power supplies on Chip” (PwrSOC, 2017) authored by Krishna Kanth Avalur (Member ID:), Dr. Syed Azeemuddin (IIIT)

Member Elevation: Dr. Mohammed Abdul Qadeer (Membership Id: 41302162) has been elevated to senior member of IEEE in May 2017

Leadership Training: Dr. Arif Sohel (Member Id: 9087 1309) has been selected for the phase 2 of volunteer leadership training program (VoLT) conducted by IEEE CLE. Mr. Thomas Caughlin, Past Chair of IEEE region 6 has been allotted as this mentor for this leadership training.

Richard E Merwin Scholarship award from IEEE Computer Society to Mr. S. Sai Thejeshwar



Mr. S. Sai Thejeshwar - RICHARD E MERWIN SCHOLARSHIP Awardee Recipient IEEE Computer Society is offering \$40,000 in student scholarships from \$1,000 and up to recognize and reward active student volunteer leaders in student branches or chapters who show promise in their academic and professional efforts. This scholarship was created in honor of the late Richard E. Merwin, past president of the IEEE Computer Society, to recognize and reward student leadership.

IEEE Computer Society has recognized him with the Scholarship and granted \$1000 and has been appointed him as Regional Student Ambassador for R10 (Asia-Pacific).

Sai had an aggregate of 85.49% and his IEEE Activities, played a key role in achieving this award. The criteria of selection, is as follows:

1. Evaluation criteria include participation in student IEEE branch/chapter activities (30%),
2. Academic achievement (30%),
3. Extracurricular activities (10%),
4. Letter of recommendation from student branch/chapter advisor (20%), and
5. Quality of Student Ambassador vision statement (10%).

And with his consistency and hard work and utilizing the resources available in utmost effective manner, this young mind is a recipient of this prestigious award.

IEEE Women in Engineering Zonal Congress 2017 at Warangal

The IEEE WIE Congress for Warangal zone was conducted with the theme of “Women in Health and Education - Technological Empowerment.” On 18th and 19th August, 2017 at Assuntha Bhavan Banquet Hall, Subedari, Hanamkonda.

IEEE WIE CONGRESS Warangal Zone has been organized by “IEEE WIE Hyderabad Section” in “Warangal” - the historic city of Telangana which was sponsored by IEEE WIE Region 10 and IEEE Hyderabad Section. More than 250 participants from over thirteen different engineering colleges of IEEE Hyderabad section attended and made the event successful.



Audience at a glance at Zonal Congress at Warangal

The events started with a talk by Sri.N. Laxmi Narayana, Senior Scientist ISRO, who gave a glimpse of his achievements. He was one of the core members in ISRO’s mission to Mars project and he shared us about his interesting experiences while working with teams. He also revealed some of the core objectives of ISRO’s next mission of sending humans to space. This was followed by an address by Dr. Padma on improving student contribution to health and education. Dr. N V Rao addressed the gathering and highlighted about importance of mother and stated the contributions of women in engineering.

Dr. M. Lakshminarayana, Chair IEEE Hyderabad Section enlightened the gathering about IEEE at global and section level.

An activity was conducted by IEEE members to improve the confidence and public speaking skills of the participants in which every participant asked to introduce to as many people as we could in a time limit.

In the afternoon session, Ms. Dibya Maheshwari, Software Engineer, Accenture gave a lecture focused on improving strength of a girl to face current challenges. She spoke about different stages of girl’s life and said that girls should be independent about their decisions. The first day closed with a cultural program followed by a Gala dinner.



Cultural program at WIE zonal congress

On the second day Mrs. Taskeen Fatima Basha from Infosys gave a lecture on communication skills. She then talked about

different needs in person's life and advised to have high self-esteem. She advised the audience to be healthy by doing regular exercises, avoiding junk food and having proper sleep.

Mrs. Rama Lakshmi (IFS), talked regarding personal life management challenges like anger management, priority management and freedom from fear. She clearly differentiated negativity and positivity and suggested to stay positive all the time. The congress closed with Dr. Vijayalaxmi - Chairperson of WIE AG IEEE Hyderabad section, rendered the vote of thanks and suggested student volunteers to actively participate in IEEE events.



Participants at the Zonal Congress 2017

Synapse Crossword Contest
Get rewarded for reading

Dear IEEE members,

The Winners of crossword of last edition are as follows.

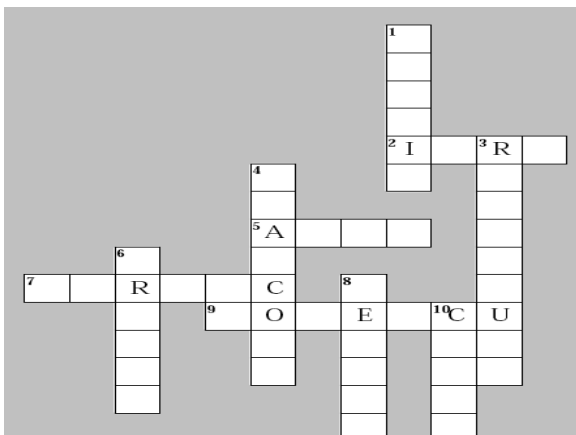
1. Ms. Tejaswini K, JNTU Ananthapur
2. Dr. Venkata Rama Prasad, Vaddella, SVEC, Tirupati
3. K Sai Vineeth, GCET, Hyderabad
4. Chakradhar Adupa, JITS, Warangal
5. Yagnavalki Nalla, KITS, Warangal

Hearty Congratulations, Please email your shipping address to venu_ieee2001@yahoo.com and your prize will be sent to your address shortly.

Crossword – September edition

You can win IEEE Hyderabad section Branded merchandise by participating in the Synapse Crossword Contest. Follow these steps and send the results to synapse.ieeehyd@gmail.com

1. Read the complete newsletter as the clues are available in the various sections of this newsletter
2. Complete the crossword (by hand on sheet of paper) and send a scanned copy/photo of the crossword to synapse.ieeehyd@gmail.com with the following details – Name, Organisation, Email address, Mobile Number and IEEE membership ID (This contest is open to only IEEE Hyderabad Section members)
3. First five correct entries will be rewarded – Hurry Now!!



Across

- 2 Speaker of WIE zonal congress Sri.N. Lakshminaryana works in
- 5 Chair of IEEE Kazakhstan Section
- 7 Research paper of Krishnakanth has been accepted in this journal
- 9 IoT kit used in the CAS Workshop

Down

- 1 Director of IEEE Region 10
- 3 Invention of Dr. KPJ Reddy of IISc Bangalore
- 4 Chair of COMSOC chapter works in this organization
- 6 IEEE distinguished speaker who delivered the talk on Industri4.0
- 8 Name of Scholarship won be Mr. Sai Thejeshwar



IEEE Day is celebrating the first time in history when engineers worldwide and IEEE members gathered to share their technical ideas in 1884. IEEE Day's theme is 'Leveraging Technology for a Better Tomorrow' and the main objective of the day is to allow thousands of IEEE members in local communities to join together to collaborate on ideas that leverage technology for a better tomorrow



IEEEXtreme is a global challenge in which teams of IEEE Student members – advised and proctored by an IEEE member, and often supported by an IEEE Student Branch – compete in a 24-hour time span against each other to solve a set of programming problems. Registration will be open until 4 October 2017. IEEEXtreme 11.0 will take place on 14 October 2017

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

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