

## IEEE Madras Section Events

### Kumaraguru College of Technology, Coimbatore: IEEE SS12 -- International Project Competition: Prelims for the Junior Einstein track



IEEE SS12 is an International Project Competition organized by Madras IEEE Education Society chapter in partnership with IEEE Societies. The event is planned annually and this year it has four tracks - Innovation Challenge, Maker Fair, Junior Einstein and Virtual Track. The finals will be held on September 8th and 9th at NSBM Green University, Colombo, Sri Lanka. Junior Einstein Track was included this year to encourage the school students of age 12 – 17 years to take part in the finals to be conducted in Colombo, Sri Lanka. The theme of this year competition is 'Empathy to Engineering: Solution for Macro Issues'. The theme Empathy to Engineering through innovation aims to make STEM education an interesting path to be followed by the school students to enhance their creative thinking. Under this the projects can be Mobile Apps or Computer Based or IoT based pertaining to any of social issues in the areas of UN sustainable Development Goals.

The prelims for the Junior Einstein track was organized by Madras IEEE Women in Engineering in four different zones - Tirunelveli - Nagercoil zone, Coimbatore zone, Chennai zone and Erode Zone. The IEEE Students Branch of Kumaraguru College of Technology hosted the Coimbatore Zone prelims in partnership with IEEE SSIT on 10<sup>th</sup> Aug 2018 at Kumaraguru College of Technology.

Nearly 31 teams participated from 10 schools in and around Coimbatore. The projects presented covered a plethora of societal issues on environment, food production, smart agriculture, healthcare, safety and security, Governance and many other areas. With around 100 students from various schools competing for the prize of partial travel grant of Rs.10,000/- offered by Madras IEEE Women in Engineering, it was a great learning not only for all involved school students but for the IEEE Members and student volunteers as well who were involved in the conduct of the event..

The winners of JE track had a novel Project model titled "Smart Trash Can" designed to monitor and manage the waste generated from various parts of the district as a smart city initiative. The design was practically demonstrated along with necessary explanatory posters. A partial travel grant of Rs 10,000/ per team to participate in the finals was announced for four teams from Coimbatore Public School, Stanes AIHSS and Vivekam Sr. Sec School. Ten other teams were recommended to participate in the finals to be held at Columbo, Sri Lanka.

It is also decided to create the data base of the projects and help the interested teams with incubation or industry mentorship. This phase will be started soon. They were informed about the mentor for JE track Dr Purushothaman, ISRO to have any critical clarifications during their consistent effort in preparing themselves for the finals.

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### Awareness Program on IEEE & IEEE CS & Membership Drive

The IEEE Computer Society Madras Chapter, to promote the membership in IEEE and IEEE Computer Society, had organised IEEE & IEEE CS awareness programs at **M A M College of Engineering and Technology**, Trichy on 2<sup>nd</sup> Aug 2018. Mr. H.R. Mohan, Former Vice Chairman, IEEE Madras addressed the faculty and students on IEEE & its technical chapter and highlighted the benefits of membership in IEEE. Dr P. Sakthivel, Chairman, IEEE Computer Society, Madras Chapter in his address provided an overview of the IEEE Computer Society and the membership benefits of IEEE CS and encouraged the students and faculty to join

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**Microsoft on Monday partnered with the Data Security Council of India to launch a three-year programme, called CyberShikshaa, to train 1,000 women from underserved communities in cybersecurity. They will be trained in ten locations including Rajasthan, Karnataka, Delhi-NCR and will also be offered employment opportunities.**

## IEEE CS Madras supported International Conference on "Blooming Trends in Tech Challenges and Opportunities" at National College, Trichy



The PG & Research Dept. of Computer Science, National College, Trichy, organized a three day International Conference on "Blooming Trends in Tech Challenges and Opportunities" during 27-29 Sep 2018 as a part of the centenary celebrations of the college. The conf. was supported by IEEE Computer Society, Madras Chapter. At the inaugural session on 27<sup>th</sup> Sep Dr. P.S.S. Akilashri, Vice Principal & HoD, CS welcomed the gathering.

Prof. S. Sivakumar, Principal In-Charge, National College, delivered the Presidential Address. Thiru. M. Chandrasekaran, AGM, BSNL, Madurai, delivered the inaugural address. Dr. E. Kirubakaran, HoD/CSE, Karunya University, Coimbatore, felicitated. Dr. Gopinath Ganapathy, Registrar, Bharathidasan University, Trichy, delivered the keynote address. The conf. proceedings were released by Sri. K. Raghunathan, Secretary of the college and the copies were received by Mr. H.R. Mohan, Past Chair & Chair – Special Events, IEEE CS, Madras and Dr. V. Lakshminarasimhan, Professor, Dept of CS, University of Botswana, South Africa. At the end of the inaugural function Prof. M. Umamaheswari, Vice President, Dept of CS proposed a formal Vote of thanks.

On Day I (27.09.2018), the conf. had the following plenary keynote talks.

- "Emerging Trends in Artificial Intelligence" by Mr. H. R. Mohan, Past Chair & Chair – Special Events, IEEE CS, Madras and Former Vice-Chairman, IEEE Madras Section
- "Blooming Technologies and Hidden Challenges". by Dr. V. Lakshminarasimhan, Professor, Dept. of CS, University of Botswana, South Africa.
- "Internet of Things" by Dr. T. Arunkumar, Professor, School of Computer Science & Engineering, VIT University, Vellore.

The Faculty members, Research Scholars and Students presented their papers in the technical sessions. In the evening, a colorful and memorable cultural consisting of Classical Dance, Western Dance, AdZap and Magical Show was organized. This was well appreciated by the Resource Persons, Chief Guests, student participants and staff members from Computer Science and various departments.

On Day II (28.09.2018) in the Plenary keynote talk Dr. E. George Dharma Prakash Raj, Assistant Professor, Department of Computer Science, Bharathidasan University, Trichy, enriched the participants on "Data Mining and Analytical Tools". Student participants, Speakers and staff members went on a tour to the historical places like Rockfort, Arulmigu Jambukeswarar Akhilandeswari Temple and Grand Anicut as a part of the Conference.

On Day III (29.09.2018), the Plenary keynote talks were presented.

- Mr. R. Ravishankar, Senior Consultant, Tata Consultancy Services (TCS), Chennai on "Cloud Migration".
- Dr. N. Ramasubramanian, Professor, Dept. of CS, NIT, Trichy on "Future Generation Computing System".
- Dr. M. J. Shankararaman Professor, Dept. of CSE, IIT Madras on "Latest Trends in Communication Networks" and "Sakthi-Make in India Initiative".

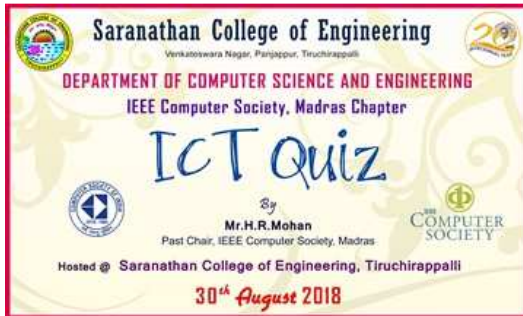
The Valedictory session held in the afternoon, Dr. P.S.S. Akilashri, Vice Principal & HoD, CS welcomed the gathering. Dr. R. Sundararaman, Principal, National College, Trichy, presided. Prof. S. Ramani, HoD/IT, summarized the Conference report. Dr. M. J. Shankararaman, Professor, Dept. of CSE IIT Madras delivered the Valedictory address. Dr. V. Lakshminarasimhan, Professor, Dept of CS, University of Botswana, South Africa and Dr. V.M. Ananthanarayanan, HoD/Sanskrit, National College, Trichy felicitated. Best Paper award was given to Ms. A.V. Anjali of NIT, Trichy. Certificates were presented to all participants. Dr. R. Sasikala, HoD/Computer Applications proposed a formal Vote of Thanks.

Out of over hundred papers received, fifty five were shortlisted and included in the conf. proceedings. The conf. attracted 130 participants from all over the country and few from abroad. 23 Faculty members of the Department of Computer Science, Computer Application and Information Technology worked together to make this International conference a grand Success.

## Awareness Programs on IEEE & IEEE CS & Membership Drive and ICT Quiz

The IEEE Computer Society Madras Chapter, to promote the membership in IEEE and IEEE Computer Society, had organised IEEE & IEEE CS awareness programs at **Saranathan College of Engineering**, Trichy on 30<sup>th</sup> Aug 2018 and at **Srimathi Indira Gandhi College**, Trichy on 26<sup>th</sup> Sep 2018.

Mr. H.R. Mohan, Former Vice Chairman, IEEE Madras and Past Chair & Chair – Special Events, IEEE Computer Society Madras addressed the faculty and students on IEEE & its societies and highlighted the benefits of membership in IEEE and IEEE Computer Society and urged them to join. He had also conducted an interactive ICT Quiz to the students. IEEE CS sponsored the cash prizes to the participants answered the questions and motivated them.



*At Saranathan College of Engineering, Trichy on 30<sup>th</sup> Aug 2018*



*At Srimathi Indira Gandhi College, Trichy on 26th Sep 2018.*

