The IEEE SVIT Student Branch along with the Department of Electronics and Communication Engineering organized, One Day Workshop on “ECOSYSTEM APPROACH TO AFFORDABLE HEALTH MONITORING USING IOT” as a part of IEEE EMBS Students Chapter on 05th November 2019. 175 students registered for the workshop.

Dr. N. Sriraam, Senior Member IEEE, IEEE EMBS, Professor & Head, Department of Medical Electronics, Ramaiah Institute of Technology being invited as the Chief Guest, decorated the event with his presence.

Dr. Narayan K., Senior Member IEEE, Dean (R&D), Head of the department, Department of Electronics and Communication Engineering, motivated the students with his talk and walk during the workshop about the role of an engineer in medical society and the ways by which they could serve the humanity by their significant contribution in this domain.
Dr. N. Sriram, IEEE Senior Member, IEEE EMBS, Professor & Head, Department of Medical Electronics, Ramaiah Institute of Technology addressed the gathering and elucidated about the affordable health care monitoring and how engineers could serve the society by focusing on developing solutions to the medical needs and demands. He delivered more technical details on the role of electronic components in the medical arena and how they are life savers in early detection which provides platform for significant treatment and cure.
Mr. Jagannathan Gopalakrishnan, CEO at AARM Solutions graced the workshops second session with his significant presence and presentation. He is a man of excellent caliber and vision. He is also a strong follower of Make In India Process. He motivated the students by showing them his real time products and enriched their minds on how Indian economy can improve when we use the technology designed by us.

He enlightened the young budding engineers with the products developed by him which are affordable and could stop the investments by the medical community on imports. He spoke in detail about the affordable gadgets used in preventive health care monitoring, which are designed and developed by them.
Mr. Jagannathan Gopalakrishnan further motivated the engineers to become entrepreneurs and gave tips on how they could improve the Indian economy. He distributed certificates to the participants.

Dr. Narayan.K IEEE Senior Member, Dean (R&D), Head, Department of Electronics and Communication Engineering, IEEE Branch Counselors Prof. Shwetha M & Dr. S. Raj Barath, Faculty members, IEEE SVIT Student Branch members and the students of Electronics and Communication Engineering along with the contribution of Ms. Bina R the Vice Chair of IEEE SVIT Student Branch made the event a grant success with excellent team work.

Enclosed:
1. Expenditure details
2. Acknowledgments and Bills

HOD / ECE
IEEE Humanitarian Event
On Road Safety Training for Youth

4th February, 2019

Venue: Sai Vidya Institute of Technology, Seminar Hall

An event on Road safety was hosted by SVIT IEEE Student Branch and Department of ECE, Sai Vidya Institute of Technology, Bengaluru in association with IEEE- Bangalore Section, IEEE Young Professionals, Bangalore Section and MASH Foundation.

We would like to thank Management and Principal for providing an opportunity to host this event. A special thanks to our Principal, Dr. Ramesh Babu H S for his encouragement in hosting and also for providing the logistics required for hosting the event.

Dr. Narayan K, IEEE SVIT Student Branch Advisor, initiated the event by addressing the students about Road safety and the importance of it. **Mr. Mangesh Raut, MASH Foundation**, was the trainer for the event. He addressed the students about the road safety, how to take measures when someone is met with an accident, he explained the students about Samaritan law. He demonstrated how the first aid can be performed on the spot of accident. He has also given insight to the students about medical emergencies like CPR, snake bite, dog bite etc.

Students have actively participated in this event, at the end of event students have gained knowledge about the first aid, which can be performed in an emergency situation. Students have got the clear information about Samaritan law.

6th Semester students from ECE, CSE, EEE, ISE, Mechanical, Civil branches have participated in the event.

No. of Participants: 180

**Volunteers:**

1. Mr. Akhilesh N (ECE)
2. Ms. Apeksha N Telang (ECE)
3. Ms. Raksha V (ECE)
4. Mr. Syed Yunus Bilal (ECE)
5. Ms. UmmeKulsum (ECE)
6. Mr. Vinay P S (ECE)
7. Ms. Sushma Uthappa (Camera - ECE)
8. Mr. Anirudh (Camera - CSE)

IEEE Student Branch counsellor: Ms. Shwetha M, Assistant Professor, ECE.
Road Accident Statistics

More than 1.2 million people are killed in road accidents worldwide, every year.

- In India: Every 4 mins 1 person loses life on road.
Workshop on Nanotechnology and Photonics

5th September, 2018

The one-day Workshop on Nanotechnology and Photonics was organized by SVIT IEEE Photonics and EMBS Student Chapters & Department of ECE, Sai Vidya Institute of Technology, Bengaluru in association with IEEE-IISc Student Branch as part of IEEE-IISc Knowledge & Networking Outreach Workshop (I-KNOW) program on 05-09-2018. The Chief Guest for the Workshop was Dr. T. Srinivas, Associate Professor, ECE Department, Indian Institute of Science and Branch Counsellor IEEE-IISc Student Branch.

The Workshop was inaugurated by Chief Guest, Branch Advisor, SVIT IEEE Student Branch, Principal and Student Chair, SVIT IEEE Student Branch. Dr. T. Srinivas addressed the gathering about the student branch activities and its importance. Dr. H.S. Ramesh Babu, Principal of SVIT, also spoke on the occasion about the student activities and expressed his happiness. Dr. Narayan K, IEEE SVIT Student Branch Advisor addressed the gathering about the benefits of IEEE membership and on the activities to be conducted under the IEEE student branch chapters.

Followed with the Inauguration, the following Speakers gave their talk on the following topics,

1. Dr. T. Srinivas, Associate Professor, ECE Department, Indian Institute of Science (Topic: Optics in India: Opportunities and Future).
2. Mr. Awanish Pandey, CeNSE, Indian Institute of Science (Topic: Nanotechnology and Photonics).
3. Mr. Rahul Singh Kotesa, CeNSE, Indian Institute of Science (Topic: Life of a Ph.D student in IISc).

There was panel discussion was held at the end of the workshop, Dr. T. Srinivas emphasized about the internship opportunities available for Photonic student members and also about the studies in abroad. 133 participants participated in the workshop from Host institute, The Oxford Engineering College and CMRIT.
Workshop Organizers:

Mr. Venkatesha M, Execom Member, IEEE photonics Society Bangalore Chapter.

Mrs. Shwetha M, Execom Member, IEEE photonics Society Bangalore Chapter.

Mr. Vaibhav L Shah, SVIT IEEE Photonics Chapter Student Chair.

Mr. Sharth K Prabhu, SVIT IEEE Student Chair.

Ms. Vismaya, SVIT IEEE Student Secretary.

Chief Guest Lighting the Lamp
Dignitaries on the Dias

Audience in the workshop
Group photo of workshop on Nanotechnology and Photonics

SVIT IEEE Student chapter members with Chief Guest and speakers
Department of Electronics and Communication Engineering

One-day workshop on

Recent Advances in Bio-Photonics and Optical Biosensors

12 May 2017

One day workshop on Recent Advances in Bio-Photonics and Optical Biosensors along with inauguration of IEEE Photonics and IEEE Engineering in Medicine and Biology (EMBS) student chapters of Sai Vidya Institute of Technology was conducted on 12-05-2017. The Chief Guest for the event was Dr. T. Srinivas, Chairman IEEE Photonics Bangalore Chapter. Dr.Gopal Hegde, Associate Faculty, Centre for Nanoscience and Engineering (CeNSE), IISc was Guest of Honour.

The IEEE Photonics and IEEE Engineering in Medicine and Biology (EMBS) student chapters of SVIT, were inaugurated by Dr. T. Srinivas, who also spoke on this occasion. Dr. T. Srinivas congratulated Sai Vidya Institute of Technology for opening student branches and emphasized the point that none of the engineering colleges in Karnataka for that matter in India have a separate IEEE EMBS Student Chapter and very few institutions have IEEE Photonics Society Student Chapters expect for selected IIT”s and IISc. Dr.Gopal Hegde spoke about importance of student chapters. Dr. H.S. Ramesh Babu, Principal of SVIT, also spoke on the occasion and expressed his happiness. Presidential address was delivered by the Honourable Director Prof. M.R. Holla.

The Inauguration was followed by expert talks delivered by

1. Dr. Gopal Hegde, from CeNSE IISc (Topic: Recent Advances in Photonics)
2. Dr. Narayan K. from SVIT (Topic: Graphene based SOI waveguide for Integrated Sensing Applications)
3. Ms. Srivani Padma from IISc (Topic: Sensors based on Fiber Brag Grating)
4. Dr. Preeta Sharan from Oxford College of Engineering (Topic: SPR based Biosensors and Photonic Crystals)

There was panel discussion was held at the end of the workshop, Dr. T. Srinivas, Dr. Narayan K. and Dr. Preeta Sharan were the panellists. The students view was represented by Ms. Ananya Chair, IEEE Photonics Society Student Branch of Bangalore
Department of Electronics and Communication Engineering

Section. Dr. T. Srinivas was the moderator. Dr. Narayan emphasized on importance of IEEE Membership, Dr. Preeta Sharan emphasized about the internship opportunities available for Photonic student members.

The workshop was attended by Ninety Two participants including participants from MVJ, SJCIT and Oxford Engineering Colleges.

Workshop Organizers:

Mr. Venkatesha M, Execom Member, IEEE photonics Society Bangalore Chapter.

Mrs. Shwetha M, Execom Member, IEEE photonics Society Bangalore Chapter.

Ms. Ananya N and Mr. Poojith, IEEE Student members, SVIT, Bangalore.

Impact Analysis

Outcomes

1. Able to gain the basic knowledge on fundamentals of nano bio-photonics.
2. Able to gain the knowledge about the applications of SOI waveguide and optical biosensors in lab-on-a-chip & point of care diagnosis in medical field.
3. Able to gain knowledge for final year project as well as for pursuing higher studies in bio-photonics.

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