On 22–23 August, a two-day workshop on electrical systems was held in Amriteshwari Hall of ASE Bengaluru by Assistant Prof. K. Raghavan of the Indian Institute of Technology Gandhinagar, Ahmedabad. Prof. Raghavan gave a brief description about the modeling and analysis of electrical systems and grid-connected wind-energy conversion systems.

The IEEE PELS Student Branch Chapter of ASE Bengaluru is looking forward to motivating students to learn more about the developing trends in the field of power electronics.

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Chandrasekaran Rajeshkannan, the Student Branch chair, organized the event with help from final-year EEE students Rajesh Kumar and Sujith Martin. Each of the three best teams had two chances to complete the track in the shortest time. Dr. I. Gerald Christopher Raj, faculty advisor for the Student Branch Chapter and assistant professor in the EEE Department, awarded the three best performers (Figure 1). A team of third-year EEE students, Murugapan- dy Dinesh, Raja Balashriram, Ramamoorthy Balaji, and Murugiah Kannan Arun Prakash, won first place. Tamil Arasan Arun Kumar, Govinda Raj Balasubramani, Mallaiyah Aravindh, and K. Dharamaraj (a team of third-year EEE students) won second place. Kannan Arun Kumar, Chokkalingam Akash Kumar, Murugesan Guru Balasubramani, and Carmel Sabin (a team of third-year EEE students) placed third.

Automated Energy Meter Reading

A technical talk on automated energy-meter reading for billing purposes was presented on 18 March 2017. Approximately 124 undergraduate and postgraduate students from the EEE Department attended this talk.

by I. Gerald Christopher Raj

FIG 1 Line follower best performers with event coordinators and faculty. (Photo courtesy of Dr. Sithambaram Muthukumaran.)
President Dr. Krishnamoorthy Saravanan, assistant engineer at Tamil Nadu Electricity Board, Dindigul, talked first about manual meters and billing methods, and he ended his presentation with the topic of smart meters. Other items discussed included the meters used for various types of consumers and the practical problems faced during billing. Dr. Saravanan emphasized the need for automated meters and motivated students to take up projects in these areas. Dr. Raj coordinated the event and concluded the session with thanks to the speaker.

Robo Race Competition
On 31 March 2017, the PSNA CET Student Branch Chapter held a Robo Race, inaugurated by EEE Prof. Natarajan Chandrasekaran. Teams consisted of two to four members. Of the 18 teams that participated in the first round, ten teams qualified for the final round. The robots had to follow a common pathway that involved traversing a curved path, ascending an elevated path, overcoming an obstacle, and traveling in various terrains on an 8-m track. Each team had two opportunities to complete the track in the shortest time. Dr. Sithambaram Muthukumaran, Student Branch counselor and professor in the EEE Department, awarded the three best teams. Carmel Shabeen, Arun Kumar, Raman Thamaraiselvan, and Sheik Thameen (third-year EEE students) won first place. Nilofur Nigar and Shalini Ramesh Babu (second-year EEE students) finished in second place. Balaji, Hari Vijay, Raghu Rajan, and Santhosh Kumar (third-year EEE students) placed third.

President’s Message (continued from page 10)
current strategic ideas and convert them into reality. Of course, our technical committees, vice presidents, and president will continue to champion new initiatives. However, as we have begun to institutionalize the Future of Electronic Power Processing and Conversion and as we establish other long-range planning efforts, this committee will be vital in quickly and efficiently setting up new programs.

A Final Word
The theme of this issue is energy harvesting and the many solutions that have been proposed in the past ten to 15 years. This remains an important topic in the emerging Internet of Things era. I truly hope you enjoy this issue, and I would like to wish you all a peaceful and restful holiday season.

Entrepreneur Viewpoint (continued from page 20)
transformation is through the incumbents or in competition with them.

Conclusions
Clarifying the path and time line from disruption to transformation can help the entrepreneur understand the startup’s funding needs better and avoid wasted time and resources, both critical in the early days. This can also avoid surprising the investors with missed milestones—the surest way for founders to lose their credibility and control over their own company. Industry transformation is achievable, but it often takes decades—much longer than the runway that most startups enjoy.

About the Author
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