



I am very glad to hear that the Department of Electrical and Electronics Engineering of DMICE is organizing an **International Conference on Electrical, Electronics and Optimization Techniques** on 3rd to 5th March 2016. Energy industry especially power generation and utilization is

playing a greater role in the progress of our nation. It is essential for professional engineers engaged in electrical power generation and applications of this industry to understand the updates that are coming up from time to time. Creating a platform for the power engineering professionals to share and express their views in the advancement of power engineering applications gives a great opportunity to know about the progress achieved by the power industry today. I hope this conference would certainly help everyone to have the latest updates to have a better understanding to contribute more to meet the future needs.

“There is simply no substitute for hard work when it comes to achieving success.”

I wish all the best to the participants, HOD of Electrical and Electronics Engineering & faculty members on behalf of the management; I thank the IEEE coordinators and volunteers for their untiring support.

Dr. J.E. Arul Raj

Chairman – DMI & MMI



I am extremely happy to know that the Department of Electrical & Electronics Engineering of DMI College of Engineering is organizing an **International Conference on Electrical, Electronics and Optimization Techniques** on 3rd to 5th March 2016. The applications of any advanced

science and engineering is to help the nation for its development. Power Engineers in the present day scenario have a challenge to provide reliable electrical energy supplies. It is essential for those professionals of electrical engineers to get the newest updates of electrical energy and its advanced applications to meet the challenges. I hope that this conference would certainly induce innovative ideas among the participants paving way for new inventions and new technologies in the Power engineering sector.

“A commitment to excellence – this will enable you to attain the success you seek.”

Sr. C. Rita

Superior General – DMI



On behalf of the DMI Management, I am delighted to welcome all the delegates and the guests to the **International Conference on Electrical, Electronics and Optimization Techniques – ICEEOT-'16** that would take place from March 3rd to 5th, 2016. This is the

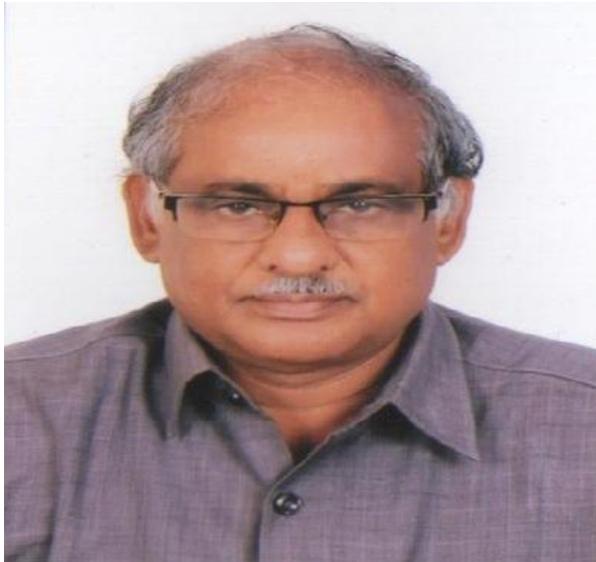
largest annual event, in DMI College of Engineering devoted for the Technical Advancement in the field of Electrical, Electronics and computing skills. This would be a platform for participants to exchange ideas, discover novel opportunities, reacquaint with colleagues, meet new friends, and broaden their knowledge.

I wish all the organizing committee and participants a wonderful and knowledge quenching experience.

“Success is how high you bounce when you hit bottom”

Sr. Gnana Selvam

DFT - Managing Trustee



I am delighted to welcome all the participants to the IEEE International Conference on Electrical, Electronics and Optimization Techniques held at DMI College of Engineering from 3rd to 5th March 3rd which brings together experts and academics from around the world. We are honored to have 12 keynote speakers who are

expertise in various fields would enhance the knowledge and kindle creativity in young minds.

I am also grateful to the IEEE Association and its officers, in particular to Dr. Siva Ganesh Malla, for his technical support, as well as for providing assistance.

I would like to thank our Convenor, Dr. Belsam Jeba Ananth, for his systematic work that has built up this network and brought people here from all over the world.

I hope this conference will be enjoyable, memorable, and productive for participants and looking forward to the technological innovations that result from your networking and discussions. I trust your stay in DMICE both valuable and enjoyable.

“Perfection is not attainable, but if we chase perfection we can catch excellence”

Dr. Palaniyandi, IAS(Retd.)

Director- QM – DFT



It is a great pleasure for me that our EEE Department of DMI College of Engineering is conducting an International conference on Electrical, Electronics and Optimization Techniques (ICEEOT-2016)”

Energy industry especially power generation and utilization is playing a greater role in the progress of our nation. It is essential for professional engineers engaged in electrical power generation and applications of this industry to understand the updates that are coming up from time to time. Creating a platform for the power engineering professionals to share and express their views in the advancement of power engineering applications gives a great opportunity to know about the progress achieved by the power industry today.

I hope this Conference on “ Electrical, Electronics and Optimization Techniques (ICEEOT-2016)” would certainly help everyone to have the latest updates to have a better understanding to contribute more and progress achieved by the power industry today. I wish all the best to the participants, HOD of Electrical and Electronics Engineering & the faculty members.

“If you don’t ask, the answer is always no.

If you don’t step forward, you’re always in the same place.”

Dr. M. Suresh

Registrar, DMI Group of Institutions



I am very glad to hear that the Department of Electrical and Electronics Engineering of DMI College of Engineering is organizing an IEEE International Conference on “Electrical, Electronics and Optimization Techniques” from 3rd to 5th March 2016.

Generating Power has been a key concept in the domain of

engineering for centuries old. It is the ultimate stratum of almost all engineering endeavors. Without Power, ideas and postulates can hardly reach the epitome in engineering expeditions. To establish parity with the reality, one must appreciate the fact that the field of Electrical Engineering genuinely encompasses almost all engineering specializations, be it mechanical, electronics, information technology, robotics and so on. As of now, the entire globe has passionately encompassed into making milestones in Electrical Engineering technology and hence it poses a high-voltage challenge before us how to get into this tandem in India as well.

This conference is likely to be one of the finest opportunities for scientists, engineers, technocrats, students from all over the globe to participate and to share ideas over the same dais. I hope that the deliberations in the conference will help researchers from academia and industry and the conference will provide a platform for initiating collaborative research projects.

I wish the conference all success.

“Our greatest weakness lies in giving up.

The most certain way to succeed is always to try just one more time.”

Sr. I. Arockia Mary

Administrator, LIT



On behalf of the ICEEOT -16 organizing committee, I am honored and delighted to welcome you to the International Conference on Electrical, Electronics and optimization Techniques at DMI College of Engineering. I believe, we have chosen

venue that guarantees a successful technical conference amid the culture and scenery of Tamilnadu. Our technical program is rich and varied with 12 keynote speech and around 1200 technical papers split for 3 days with poster presentations being conducted simultaneously. The success of the conference depends ultimately on the many people who have worked with us in planning and organizing both the technical program and supporting social arrangements. In particular, we thank the Conference Chairs for his wise advice and brilliant suggestion on organizing the technical program; the Program Committee for their thorough and timely reviewing of the papers has helped us to success of the conference. Recognition should go to the Local Organizing Committee members who have all worked extremely hard.

I wish all the organizers and participants a grand success.

**“Coming together is a beginning;
Keeping together is progress;
Working together is success”**

Sr. A. Sabeena, DMI

Administrator, DMICE



I am very much delighted to pen these few lines to congratulate the organizers of IEEE conference 2016 in DMI College of Engineering, Chennai. This conference is built up on the subject electrical and electronics engineering and optimization techniques.

There are many areas in electrical and electronic engineering where we can apply optimization to minimize objective function.

I am sure this forum will definitely create more opportunities to apply the optimization knowledge to improve the existing system.

I wish all the organizers all success.

**“Start by doing what's necessary;
then do what's possible;
and suddenly you are doing the impossible”**

Dr. G.M. Joseph Dunston

Director - DMICE



I'm very delighted that the Department of Electrical & Electronics Engineering in Association with IEEE is organizing ICEEOT –“16 during 3rd to 5th March. It is another milestone in the History of DMI which is toiling to achieving Technical Excellence. During the conference the

deliberations have to be carried out on in all the fields of science and technology which would definitely contribute to the development of the Nation in improving the technical skills of the researchers and participants. I take this opportunity to congratulate all the faculty of EEE and students of EEE of DMICE for their persistent effort and the conference a great success.

**“Change your thoughts
and you change your world”**

Dr. S. Muthu

Principal – DMICE



Dear Participants, It is a great pleasure for me that the EEE Department of DMI college of Engineering is organizing an “International Conference on Electrical, Electronics and Optimization Techniques (ICEEOT-2016)”. The purpose of this conference is to bring together researchers, experts

from industry, academia, and other interested organizations to meet, exchange information and ideas in the field of Electrical Energy, exchange newest developments in new energy related technologies; engineering solutions, and research results and its practical applicability. This conference is likely to be one of the finest opportunities for students from all over India to participate and to share ideas over the same dais.

I profoundly acknowledge that the organizers have spent all needful corpus of sweat and have appreciably worked with the advisory board members and all others associated with the event. On behalf of the entire Department of Electrical Engineering and on my personal behalf, I would like to extend my warm wishes to all participants. I believe the conference will surely prove conducive to all in equal length.

“The best preparation for tomorrow is doing your best today”

Dr. Belsam Jeba Ananth

HOD /EEE – DMICE

DMI COLLEGE OF ENGINEERING

DMI College of Engineering is a Christian Minority Institution of Higher Technical Education, approved by the All India Council for Technical Education [AICTE], Government of Tamilnadu and affiliated to Anna University, Chennai. The College is promoted and managed by the Sisters of the Society of DMI, which was founded in the year 1984 by Rev. Dr. Fr. J. E. Arulraj. The Society manages several educational, technical, health, welfare and social development institutions. The vision of these Institutions is to provide a disciplined life with a spiritual base to remain '**fully alive and fully human**'. Further, it strives to achieve excellence and provides opportunities to the students to achieve technical excellence. The college also commits itself to promote self disciplined and holistic personalities among the marginalized, oppressed and disadvantaged sections of the society so as to mould persons in pursuance of making a better human life through science and technology. It enhances the core strength of the students and enables them to make significant contribution to the development of the society in particular and the nation at large.

DMI College of Engineering came into existence in the year 2001 with UG courses in Department of Computer Science and Engineering, Electronics and Communication Engineering and Information Technology. The Department of Electrical and Electronics Engineering was started in the academic year 2002. The Post Graduate Courses, Master of Computer Application and Master of Business Administration were introduced in the year 2006.

The Department of Mechanical Engineering and Civil Engineering were added in the year 2009. These departments have highly qualified, experienced and knowledgeable faculty members with specialization in respective fields. DMICE offers Post Graduation Course (M.E) in Computer Science that was introduced in 2007. In the year 2009, M.E Courses in Communication Systems and Power Electronics & Drives were started. In 2010, M.E Applied Electronics was also introduced.

This College is spaced out in a sprawling campus of **55 acres** of land, more than double the stipulated area of the AICTE. It is located in a serene atmosphere at Mevalurkuppam 'B' Village, Palanchur situated on the Chennai-Bangalore National Highway.