

Media Coordinator's Office
Jamia Millia Islamia

Press Release

February 3, 2017

JMI organizes week-long course on Power Electronics & Renewable Energy Sources

Department of Electrical Energy, Jamia Millia Islamia is organizing one week MHRD-Global Initiative of Academic Network (GIAN) Course on “Advances in Power Electronics & Renewable Energy Sources” from February 06, 2017.

Honorable Vice-Chancellor, Prof. Talat Ahmad will inaugurate the programme on February 06 at 9:30 am at the Auditorium, Faculty of Engineering & Technology, JMI.

The course is a response to the exponential increase in energy demand today. Given that fossil fuels have limited reservoirs, there are severe fears of an impending energy crisis complicated by climate change concerns. Renewable energy sources are seen as a solution to these concerns. The main renewable energy sources are solar, wind, fuel cell to name a few.

Power electronics plays a major role in energy conversion from renewable energy sources to electrical energy. The integration of power electronics and renewable energy sources leads to an energy conversion system to meet the growing energy demand. This renewable energy based generation is of various types like stand alone, grid connected and hybrid.

Prof. Akhtar Kalam, Head of Engineering, Leader- Smart Energy Research Group, Victoria University, Australia will be the expert faculty who will deliver a series of lectures under the GIAN course.

Dr. Ahteshamul Haque, Senior Member- IEEE and Asst. Professor, Department of Electrical Engineering is the course coordinator.

The main objective of this course is to understand the research challenges in the area of Power electronics and its application.

The specific objectives are: (a) Exposing participants to the advancements in Renewable energy sources and its conversion process (b) Providing background of power electronics and its control requirement for Renewable energy sources (c) Providing exposure to the various types of renewable energy systems like grid connected, microgrid (d) Enhancing the capability of researchers to develop and solve the existing issues and to work on upcoming areas in this field.

Professor Akhtar Kalam has been at Victoria University, Melbourne since 1985 and is currently the Head of Engineering there. He is also the current Chair of the university's Academic Board and also lectures in the Masters programmes in the Engineering Institute of Technology, Perth, Australia. Additionally, he has held Distinguished Professorship position at the University of New South Wales, Sydney, Australia and 5 Malaysian universities.

The course will be of much interest to industrialists, researchers and governments.

Prof. Saima Saeed

Hony. Deputy Media Coordinator