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EXPERT LECTURE ON "ADVANCED ELECTRIC MACHINES"

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**“Electrical science has
revealed to us the true
nature of light, has provided
us with innumerable
appliances and instruments
of precision, and has thereby
vastly added to the exactness
of our knowledge”**

To enhance the knowledge
and acquaintance to the
motor technology of B. Tech
3rd, 4th year and M. Tech 1st
and 2nd-year students,

**Electrical Engineering
Department, IET Lucknow
(EES) organized an expert
lecture on “Advanced
Electric Machines” by the**

hon'ble expert speaker "**Prof. Ajay Srivastava**" who is an expert speaker from G.B. Pant University of Agriculture and Technology, Pantnagar, India. During lecture students were informed about reluctance type motor, is a type of an electric motor that induces non-permanent magnetic poles on the ferromagnetic rotor generating torque through magnetic reluctance having no windings. **Advanced Electric Machines(AEM)**, a spin-out from **Newcastle University**, has developed the HDSRM (high- density switched

reluctance machine), which it claims is the most sustainable motor in the world. The motor technology, which is designed for use in hybrid, range-extended and electric commercial vehicles. The society for years has served as an effective and efficient tool in moulding and enhancing the technical and practical capabilities of electrical engineers in the institute. This workshop was an incantation to acquaint and update students with modern industrial needs and requirements. The electrical students are very **thankful** to

prof. Ajay Srivastava who provided us with advanced knowledge about motor technology that would be very utilitarian for us.

