



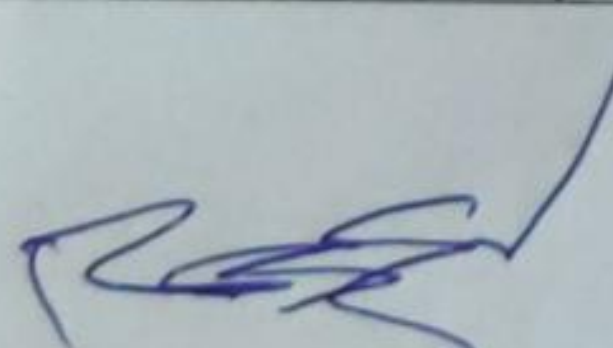
SETHU INSTITUTE OF TECHNOLOGY
(An Autonomous Institution | Accredited with 'A' Grade by NAAC)
PULLOOR, KARIAPATTI – 626 115.

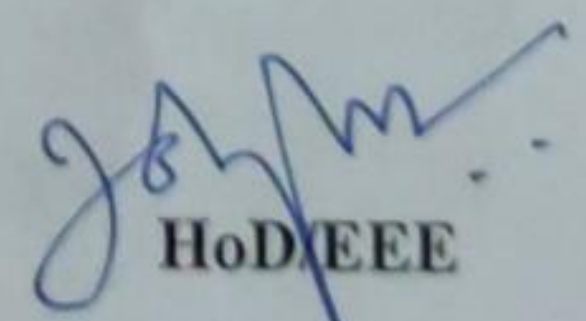


DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Activity Supports Employability/Entrepreneurship/Skill Development

Course Code : 15UEE867
Course Name : Energy Storage Systems
Academic Year : 2020 – 2021 (Even) Class : III Year

Category	Employability
Activity	Assignment
Outcome	<p>Energy storage provides a myriad of beneficial services and cost savings to our electric grid, and companies are deploying storage technologies for a number of different purposes. Large scale energy storage also allows today's electrical system to run significantly more efficiently, and that greater efficiency means lower prices, less emissions and more reliable power. The ability to store energy presents an opportunity to add flexibility in how electricity is produced and used, and provides an alternative to address peak loads on the system using renewable electricity stored at low-demand times. In addition to providing power on demand, energy storage technologies have the potential to provide ancillary services to the electricity grid to ensure the reliability and stability of the power system, and better match generation to demand for electricity. Modular battery technologies generally store electrical energy in chemical media that can be converted to electricity, and consist of standardized individual cells with relatively small power and voltage capacities that are typically aggregated to serve larger power loads.</p> <p>Students can gain knowledge through this activity by analyzing the various types of batteries based on the performance characteristics which lead to improve the employability in industries.</p>


Course Instructor


HoD EEE