

PRAGATI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF EEE

One Week Online

AICTE-ISTE Sponsored Induction/
Refresher program on

“HYBRID ENERGY STORAGE SYSTEMS-DPE”

Phase-I: 24/03/2021 to 30/03/2021

Phase-II: 28/04/2021 to 04/05/2021

Phase-II: 19/05/2021 to 25/05/2021

REGISTRATION FORM

Name: _____

Designation: _____

Department: _____

Institution Name: _____

Address: _____

Pin code: _____

Mobile: _____

E-Mail Id: _____

ISTE life Membership ID: _____

Signature of
Applicant

Signature of
Head of Institution

Eligibility : This program is designed for all faculty members, Research Scholars of all departments from AICTE approved educational institutions and Industry persons.

Registration Fee and Other Information:

There is no registration fee for participants. Selection will be based on AICTE-ISTE rules and regulations. Faculty Members / Industry professionals can register for the same using the following registration link.

Phase-I : <https://forms.gle/C4Zkoh5ZQ88bjgpB7>

Phase-II : <https://forms.gle/NecdkSgbzpywWcsw9>

Phase-III : <https://forms.gle/DqZiJXwSmZciTQoN7>

Important dates:

Phase-I :

Last Date for Registration: 20-03-2021

Intimation of Selected Candidates: 22-03-2021

Starting Date of program: 24-03-2021

Phase-II :

Last Date for Registration: 24-04-2021

Intimation of Selected Candidates: 26-04-2021

Starting Date of program: 28-04-2021

Phase-III :

Last Date for Registration: 15-05-2021

Intimation of Selected Candidates: 17-05-2021

Starting Date of program: 19-05-2021

Shortlisted participants will be informed through e-mail. A Test will be conducted at the end of the Induction/Refresher program. The certificate shall be issued only to those participants who attended all the sessions in each phase and qualified in the Test. The e-certificate shall be issued to the participants who have minimum 80% attendance and 60% marks in the Test.

Event Platform :

Virtual Mode (**Microsoft Teams app**)



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Organized by

DEPARTMENT OF EEE

PRAGATI ENGINEERING COLLEGE

(Autonomous)

ADB ROAD, Surampalem, East Godavari Dist.

Andhra Pradesh, INDIA- 533 437

Ph: 08852-252233. Fax: 08852-252232

Website: www.pragati.ac.in

About the college

Pragati Engineering College (Autonomous) is established in the year 2001, by M/S Gayatri Educational Society in Surampalem, E.G. Dist., A.P. The institution is accredited by NAAC with "A" grade in the year 2015 and attained the autonomous status in 2016. "Pragati" has been graded as gold in the AICTE-CII survey of industries-linked technical institutions-2016. It is rated as "A" grade by knowledge mission, Govt. of India. Pragati has been designated as centre of excellence (knowledge exchange centre) by M/S Infosys Ltd. College attained AAA rating for the year 2020 by Careers 360 and has been ranked one among the Top 10 Colleges in A.P. by Silicon India. Four Departments are recognized as Research centers. The institution stood 21st position and also considered as active local chapter by SWAYAM-NPTEL.

About The Department

The Department of EEE is offering one UG program B.Tech EEE, and one PG program- M.Tech (Power Electronics and Drives). The Department is recognized as Research Center by JNTUK, Kakinada. The Electrical and Electronics Engineering department of this college is started with the objective of giving best "Technical Education" to aspire Electrical Engineers. This department provides an environment where young minds can grow to their full potential and become strong, principled and committed citizens of the country. This department faculty consists of experienced Professors, qualified & dedicated Associate Professors and young & dynamic Assistant Professors.

Objective of the Program

The Program is planned effectively to serve the engineering community to realize the need for hybrid Energy Storage Systems. Hybrid energy storage systems (HESS) are used to optimize the energy management. These solutions use separate energy and power sources in order to use their characteristics at their best, which allows a reduction of the size, efficiency or cost of the embedded source. The increasing deployment of intermittent renewable energy sources (RESS) around the world has revealed concerns about the power grid stability. To solve this problem, a massive use of storage systems is needed. The main goal of this work is to develop a hybrid energy storage system (HESS) combining several storage devices with complementary performances.

Outcome of the Program

Participants can able to get a knowledge on Design and Performance Evaluation of Hybrid Energy storage aspects such as balancing generation and demand, Power quality improvement, smoothing the renewable resource's intermittency and enabling ancillary services.

Resource Persons

Eminent speakers from premier institutes like IIT's, NIT's, State Universities and Industry will deliver the lectures.

Topics of the Refresher/Induction Program:

- Introduction to Hybrid Energy Systems
- Trends in Hybrid Energy Systems
- Power Electronics for Hybrid Energy Systems
- Hybrid Energy Systems integration and control
- Hybrid Energy Systems in Micro grids
- Design and performance optimization of stand-alone hybrid energy systems
- Digital Controllers for Energy Storage Applications
- Economic Dispatch Problem in Hybrid Energy Systems
- Energy storage for the Electrical Generation Units
- Energy Storage integration to grid for Ancillary Services
- Modeling and control of Ultra capacitor based ESS
- Hybrid Energy Storage for Distribution Networks
- Battery Energy Storage in standalone micro-grid
- Roll of Hybrid Energy Storage Systems for Electrical vehicle Application.
- Positive quotients for happy life

Address for Correspondence

Dr. K. SATYANARAYANA

Coordinator, Professor and HoD-EEE

PRAGATI ENGINEERING COLLEGE,
(Autonomous)

East Godavari, Andhra Pradesh-533437.

Mobile: 9000195104, 9701712166

Email: pragatieeeiste@gmail.com

One Week Online AICTE-ISTE Sponsored Induction/ Refresher program on

"HYBRID ENERGY STORAGE SYSTEMS-DPE"

Chief Patrons:

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Prof. Vijay D. Vaidya, Executive Secretary, ISTE, New Delhi

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Dr. G. Raghuram, Director (Academics)

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Dr. S. Sambhu Prasad, Principal

Coordinator

Dr K Satyanarayana, Professor & HOD- EEE

Co-Coordiators

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Mr. M Satya Harish, Assistant Professor

Advisory Committee

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UCEK & Director of Academic and planning, JNTUK

Dr. K Ravindara, Associate Professor of EEE, UCEK, JNTUK

Dr. G. Naresh, Prof. of EEE & Dean – Admn

Dr.P.V.S.Machiraju- Prof.of Chemistry & Dean-R&D,

Dr.Y.Jaya Babu, Controller of Examinations

Dr. B.V.N.S. M. Nagesh Deevi, HOD-ECE,

Dr. M. Radhika Mani, HOD – CSE

Smt. D. Sirisha, HOD – IT

Dr. B. S. V. Ramarao, HOD-ME

Mr. M. Sandeep, HOD-CE

Mr. P. Raj Shekhar Phaneendra, HOD – BS&H

Sri. S. Vamsi Kiran, Training and Placement officer

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Ms. S Varalakshmi, Assistant Professor

Mr. K Siva Shankar, Assistant Professor

Mr. M Satya Harish, Assistant Professor

Mr. Ch Pavan Kumar, Assistant Professor

Ms. S Sravani, Assistant Professor

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Mrs.Ch.V.V Manga Lakshmi, Assistant Professor

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Mr.M.Veera Chandra Kumar, Assistant Professor

Mrs.M. Manga Lakshmi, Assistant Professor

Mr. B Ratan Kumar, Assistant Professor

Mr. K V Durga Prasad, Assistant Professor

Mr. T P Jaya Kumar, Assistant Professor

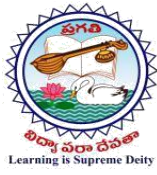
Mr. B Veera Babu, Assistant Professor

Mr. T Srinivas, Assistant Professor

Ms. P.Sandhya, Assistant Professor

Mr.K.Sree Harsha, Assistant Professor

Mr. K Sri Ramurthy, Assistant Professor



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(Recognised by UGC Under Sections 2 (f) and 12 (b) of UGC Act, 1956)

1-378, ADB Road, Surampalem – 533 437, near Peddapuram, E.G.Dist., A.P.

Ph: (08852) – 252233, 252234, 252235 Fax: (08852) – 252232

Department of Electrical & Electronics Engineering



AICTE-ISTE REFRESHER/INDUCTION PROGRAMME ORGANIZED BY THE EEE DEPARTMENT



S.No	Academic Year	Title of the Short term Training Program	Name of the Resource Person(s)	Date (s)	No. of Participants
1	2020-21	one week AICTE-ISTE Sponsored Refresher/Induction Programme Phase-I on “Hybrid Energy Storage Systems-DPE”	<ol style="list-style-type: none"> 1. Dr. M Ramalinga Raju, Vice Chancellor JNTUK 2. Dr. Chandrasekhar Perumalla, Assistant Professor of Electrical Sciences, IIT Bhubaneswar 3. M P Selvan, Associate Professor of EEE, NIT Tirchy 4. Dr P Sankar, Assistant Professor, NIT Andhra Pradesh 5. Dr. Ravindra Kollu, Associate Professor of EEE, UCEK, JNTUK 6. Dr S Moorthi, Associate professor of EEE NIT Tiruchi 7. Dr Deepak R Pullaguram, Assistant Professor - Electrical Engineering Department NIT Warangal 8. Dr S Mageshwari, Assistant professor of EEE, NIT- Trichy 9. Dr. Sheshadri Sravan Kumar Assistant Professor of EE, IIT Hyderabad 10. Dr. Srinivas Bhasker Karanki, Assistant Professor of Electrical sciences, IIT Bhubaneswar 11. Dr Y Chandra Shekar, Assistant Professor - Electrical Engineering Department NIT Warangal 12. Dr. B Dastagireddy, 	24-03-2021 to 31-03-2021	63



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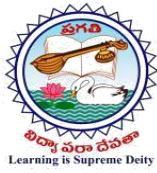
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			<p>Assistant Professor in EEE, NIT <u>surathkal</u></p> <p>13. Dr Ravindra Dogga, Founder and director of Zunic energies Ltd. Hyderabad</p>		
2	2020-21	<p>one week AICTE- ISTE Sponsored Refresher/Induction Programme Phase- II on “Hybrid Energy Storage Systems-DPE”</p>	<p>1. Dr Josephine. R. L Assistant Professor of EEE, NIT Trichy</p> <p>2. Dr. Chandrasekhar Perumalla, Assistant Professor of Electrical Sciences, IIT Bhubaneswar</p> <p>3. M P Selvan, Associate Professor of EEE, NIT Tirchy</p> <p>4. Dr P Sankar, Assistant Professor, NIT Andhra Pradesh</p> <p>5. Dr. Ravindra Kollu, Associate Professor of EEE, UCEK, JNTUK</p> <p>6. Dr S Moorthi, Associate professor of EEE NIT Tiruchi</p> <p>7. Dr Deepak R Pullaguram, Assistant Professor - Electrical Engineering Department NIT Warangal</p> <p>8. Dr S Mageshwari, Assistant professor of EEE, NIT- Trichy</p> <p>9. Dr. Srinivas Bhasker Karanki, Assistant Professor of Electrical sciences, IIT Bhubaneswar</p> <p>10. Dr Y Chandra Shekar, Assistant Professor - Electrical Engineering Department NIT Warangal</p> <p>11. Dr. B Dastagireddy, Assistant Professor in EEE, NIT <u>surathkal</u></p> <p>12. Dr Ravindra Dogga, Founder and director of Zunic energies Ltd. Hyderabad</p>	28-04-2021 to 04- 05-2021	74



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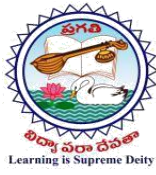
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3	2020-21	one week AICTE-ISTE Sponsored Refresher/Induction Programme Phase-III on “Hybrid Energy Storage Systems-DPE”	<ol style="list-style-type: none"> 1. Dr. Chandrasekhar Perumalla, Assistant Professor of Electrical Sciences, IIT Bhubaneswar 2. M P Selvan, Associate Professor of EEE, NIT Tirchy 3. Dr P Sankar, Assistant Professor, NIT Andhra Pradesh 4. Shri. AVLK Jagannadha Sharma, Dy. Executive Engineer, AP Power Coordination Committee (APPCC), Vidyuth Soudha, Vijayawada 5. Dr S Moorthi, Associate professor of EEE NIT Tiruchi 6. Dr Deepak R Pullaguram, Assistant Professor - Electrical Engineering Department NIT Warangal 7. Dr S Mageshwari, Assistant professor of EEE, NIT- Trichy 8. Dr. Sheshadri Sravan Kumar Assistant Professor of EE, IIT Hyderabad 9. Dr. Srinivas Bhasker Karanki, Assistant Professor of Electrical sciences, IIT Bhubaneswar 10. Dr Y Chandra Shekar, Assistant Professor - Electrical Engineering Department NIT Warangal 11. Dr. B Dastagireddy, Assistant Professor in EEE, NIT <u>surathkal</u> 12. Dr Ravindra Dogga, Founder and director of Zunic energies Ltd. Hyderabad 	19-05-2021 to 25-05-2021	77
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