

HOD EEE < hode@svce.ac.in>

Request to deliver Guest Lecture - 20th October 2022

HOD EEE <hodee@svce.ac.in> To: annamalair@ntpc.co.in Sat, Oct 15, 2022 at 3:17 PM

Cc: SUGANTHI karuppusamy <suganthi@svce.ac.in>, ARULMOZHI S Eee <arulmozhi@svce.ac.in>, "Dr. SETHURAMAN S S EEE" <sethuram@svce.ac.in>

Dear Sir,

On behalf of the Association of Electrical & Electronics Engineers, I cordially invite you to deliver a Guest Lecture on the topic "Battery Energy Storage Systems (Grid-Scale)" on 20/10/2022 (Thursday) from 10:30 AM to 11:30 AM.

Venue: Function Hall, SVCE.

Participants: III and IV year EEE students.

Looking forward to your lecture and interaction with our students.

Thanks & Regards, Dr.KR.Santha, Vice Principal & HOD/EEE SVCE

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Annamalai R.

Deputy General Manager (O&M), NTPC Limited, Kudgi Super Thermal Power Station, Bijapur, Karnataka

Qualification:

- M.Tech in Power Electronics and Drives from IIT Delhi (2009-2011)
- B.E in Electrical & Electronics from Kongu Engineering College, Erode, TN (1997-2001)

Professional Experience:

- 2001-2005 @ Chemplast Sanmar Ltd., Mettur, as Senior Engineer Electrical Maintenance.
- 2005-2009 @ NTPC ltd., 2600MW thermal power plant Ramagundam (AP) of NTPC Limited
- 2011 2018 as Manager 2011 for NTPC Limited @ NTPC Tamil Nadu Energy Company Limited (NTECL - a JV of TANGEDCO & NTPC) in its 1500MW Vallur Thermal Power Project.
- Presently Serving as Deputy General Manager (O&M) from 2018 for NTPC Limited @ 2400 MW
 NTPC Kudgi Super Thermal Power Station, Bijapur, Karnataka.

Papers presented:

- Based on Research work at IIT Delhi, a Paper entitled "Development of solar cell model in MATLAB from solar PV based generation systems" was selected for 38th International Solar conference held in Seattle, Washington during June 2011. The above paper was presented @ IEEE Indicon 2011 held in BITS Hyderabad
- Presented paper on "Performance assessment of different MPPT techniques for Solar PV system with varying Insolation and Temperature" at International Conference on Control System and Power Electronics (CSPE-2012) held in Chennal during December 2012.
- Represented NTPC Limited in Power HR Forum (Inter Power PSU's forum) and presented on the theme "Succession Planning for Building A Leadership Engine" and secured Runner up position.

Other information:

- Served as "Member Board of studies" at EEE Dept., A.C.Tech, Karaikudi during 2015-2017.
- Served as "Member Industrial Advisory Board" at Velammal Engg. College, Chennai
- Served as "Member Board of studies" at EEE Dept., KEC during 2013- 2015
- Served as Secretary of EEE Student's Association, KEC during 2000-2001
- Regularly giving Guest Lectures/Training sessions for newly inducted Graduate Engineer Trainees / Employees in NTPC limited and in Various Schools and Colleges.
- ✓ Passionate & Motivational speaker.



HOD EEE < hodee@svce.ac.in>

Request to deliver Guest Lecture - 20th October 2022

Annamalai <ANNAMALAIR@ntpc.co.in>

Wed, Oct 19, 2022 at 12:13 PM

To: HOD EEE < hodee@svce.ac.in>

Cc: SUGANTHI karuppusamy <suganthi@svce.ac.in>, ARULMOZHI S Eee <arulmozhi@svce.ac.in>, "Dr. SETHURAMAN S S EEE" <sethuram@svce.ac.in>

Dear Madam,

Thank you for the Invitation for Delivering the Guest Lecture on Battery Energy Storage Systems (BESS). Its my pleasure and honour to share my Knowledge & Experience with the young Electrical minds of Sri Venkateswara College of Engineering (SVCE).

Hereby I do confirm my participation & presence for the same. Looking forward in meeting you all.

With Regards,

Annamalai R.

DGM - O&M Electrical Maintenance, NTPC Kudgi STPS, Kudgi PO | Basavana Bagewadi TK| Bijapur | Karnataka - 586121| Mob.: 944 500 2571 / 72 5989 4242



From: HOD EEE < hodee@svce.ac.in>

Sent: 15 October 2022 15:17

To: Annamalai <ANNAMALAIR@NTPC.CO.IN>

Cc: SUGANTHI karuppusamy <suganthi@svce.ac.in>; ARULMOZHI S Eee <arulmozhi@svce.ac.in>; Dr.

SETHURAMAN 5 S EEE <sethuram@svce.ac.in>

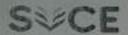
Subject: Request to deliver Guest Lecture - 20th October 2022

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Glutted less hidden



AMUDHAVALLI D Eee <amudhavalli@svce.ac.ir

AEEE - Guest Lecture on "Battery Energy Storage Systems (Grid-scale)", 20/10/2022

HOD EEE < hodee@svce.ac.in> Tue, Oct 18, 2022 at 9:12 F To: Secretary SVCE <secretary@svce.ac.in>, Principal SVCE <principal@svce.ac.in>, HODs Group <hod@svce.ac.in>, svcefacult, <svcefaculty@svce.ac.in>

Dear Sir/Madam,

On behalf of the Department of Electrical and Electronics Engineering, we are pleased to invite you all for the guest lecture on the topic "Battery Energy Storage Systems (Grid-scale)" on 20/10/2022 (Thursday).

Venue: Function Hall, SVCE Timing: 10.30 AM to 11.30 AM

peaker Details:

Mr.R.Annamalai. Deputy General Manager (O & M). NTPC Limited, Karnataka.

A copy of the invitation is attached herewith. All are cordially invited,

Thanks & Regards,

Dr.KR Santha, Vice Principal & HOD/EEE SVCE

3 4647K GuestLecture 201022.pdf







College of Engineering





Department of Electrical & Electronics Engineering

Association of Electrical & Electronics Engineers

Solicit your esteemed presence for

GUEST LECTURE ON

BATTERY ENERGY STORAGE SYSTEMS (GRID-SCALE)

PEAKER

Mr. R ANNAMALAI,
Deputy General Manager (O&M),
NTPC Limited,
Karnataka.

CONVENOR

Dr. KR. SANTHA,

Vice-Principal,

Professor & Head, EEE

VENT COORDINATORS

r. S. S. Sethuraman, ASP/EEE

rs. S. Arulmozhi, AP/EEE

rs. K. Suganthi, AP/EEE

AEEE COORDINATORS

Dr. M. Sankar, AP/EEE

Mr. S. Sudharsanam, AP/EEE

Control of the Contro

AEEE STUDENT COORDINATORS Ms. N.Harini, Gen. Sec.

Mr.S.Sabari, Joint Sec

ALL ARE CORDIALLY INVITED

Venue: Function Hall, SVCE



Date: 20th October, 2022

Time: 10.30 - 11.30 AM



Acknowledgement copy of FT/GN/62/01/10.06.15

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SRI VENKATESWARA COLLEGE OF NGINEERING Booking Video / Function Halls

L	Department	EEE
2	Date(s) on which halls are required	20/10/2022
3/	Timings for which the hall is needed	10.00 Am to 12.00 Noon
4.	Halls Required (Tick whichever needed)	Video / Function / Both
5.	Facilities Required	OHP / LCD Projector / Video Filming
6,	Purpose	Guest Lecture
t)	Any other remarks	

Requested by with Name HOD- Department of EEE Received by with Name KR. Santalo 22 Pur R. Sayett

For use in EC Department:

Form No:

Booked / Not booked

Note: 1. Kindly send the completed requisition forms sufficiently in advance.

2. In case, you want to cancel the booking please intimate us in advance, stating the reasons.



Sri Venkateswara College of Engineering (An Autonomous Institution - Affiliated to Anna University)

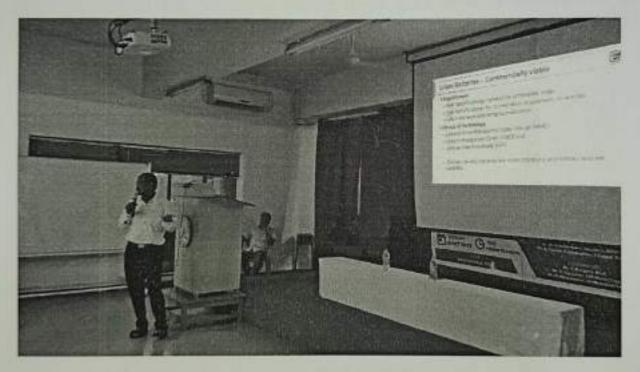
Department of Electrical & Electronics Engineering

20/10/2022

REPORT

Guest Lecture on "Battery Energy Storage systems (Grid-scale)"

The guest lecture on "Battery Energy Storage systems (Grid-scale)" was held on 20th October, 2022 at Function Hall, SVCE. The event started by 11:30AM. Aravin Takshan of 2nd year EEE presented the welcome address. The chief guest was introduced by Dr. Sudhakar K Barathan, Professor & AHOD/EEE.



The guest speaker, Mr. R. Annamalai presented his guest lecture by explaining the various renewable resources like solar, wind, etc., their intermittent nature, challenges in integrating it to power grid and need for grid-scale energy storage technologies to optimize extraction of renewable energy. He briefed on the various grid-scale battery energy storage technologies feasible and presently used in Power Grid Corporation.



He further emphasized on the importance of batteries and how battery energy storage systems are going to be the future. He also detailed on the vanadium redox flow battery, the lithium-ion batteries, and their advantages. He finally spoke about the renovation of the Electrical Amendment Act, 2003 recently. He concluded his speech on answering queries raised by the students. The event was concluded with vote of thanks by Hari Ashwin of 2nd year/EEE.



HOD/EEE



SRI VENKATESWARA COLLEGE OF ENGINEERING FEEDBACK FROM THE SPEAKER - GUEST LECTURE

DEPARTMENT

: EEE

Name of the Speaker

: Mr. R. Annamalai

Designation

: Deputy General Managen (OdH)

Institution/University/Organisation:

NTPC Limites, Kannataka

Mobile / E-mail

9445002511 annamulair @ntpc Cain

Title of the Lecture

: Battery Energy Storage Syntems (Gird-scale)

Date

20/10/2022

Time

11:30 AM to 12:30 PM

Venue

: Function Hall

Comments by the Speaker

A Glad & heppy to enlighten young minds of sice

a Attentre e formed students is lamendarde

of Themes for being giving the opportunity i will be here

Suggestions for improvement

- NH -

Signature of the Speaker