



D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

Balusumudi Bhimavaram – 2

(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)

(Accredited with NBA & A⁺⁺ Grade by NAAC)

Ph: 08816-221238 Email: [dnrcet@gmail.com](mailto:dnrctet@gmail.com) website: <https://dnrcet.org>

Electrical & Electronics Engineering

Report

Issues and challenges of Grid Connected Renewable Energy Sources

Organized by

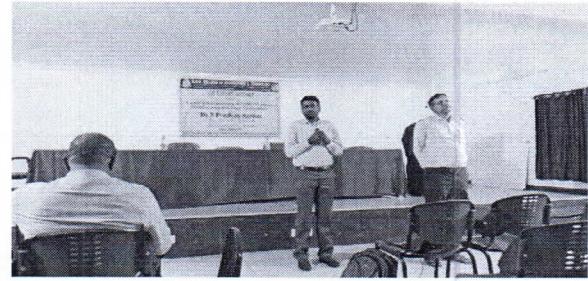
Department of Electrical and Electronics Engineering

Date: 11th OCT 2023

Submitted by: Mr.T. Venkateswara Rao, Assistant Professor. Dept. of EEE

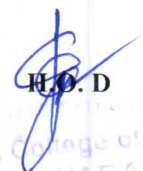
Resource Person: Dr. D. Raveendhra Professor GREIT College,

The session was started at 10 AM. The lecture was initiated by Dr. KBVSR Subrahmanyam, HOD-EEE Department. The resource person Dr. D. Raveendhra was introduced by Mr.T. Venkateswara Rao, Assistant. Prof., Dept. of EEE. Intermittency and Variability Renewable energy sources like solar and wind power are unpredictable, making it difficult to maintain a consistent power supply. Grid Stability Large-scale integration of RES can destabilize the grid, affecting frequency and voltage control. Power Quality The intermittent nature of RES can introduce power quality issues, including harmonics and voltage fluctuations. Grid Infrastructure Existing grid infrastructure may need significant upgrades to accommodate the increased penetration of RES. Policy and Regulatory Frameworks Clear and supportive policies are crucial for the successful integration of RES. Economic Considerations The economic viability of RES projects, including subsidies and feed-in tariffs, can influence their deployment.




Coordinator


PRINCIPAL
N.R. College of Engg. & Tech
BHIMAVARAM-534 202


H.O.D
D.N.R. College of Engg. & Tech
BHIMAVARAM 534 202

VALUE ADDED CERTIFICATE COURSES

TOPIC: Issues and challenges of Grid Connected Renewable Energy Sources

RESOURCE PERSON: - Dr. D. Raveendran Professor GREIT College

PROGRAMM: ONE WEEK (11/09/23 TO 15/09/23)

ATTENDENCES SHEET

S.no	Roll no	Student name	Dates / Signature				
			11/09/24	12/09/24	13/09/24	14/09/24	15/09/24
1	209P1A0201	G SAI DURGA	G.S.Durga	G.S.Durga	G.S.Durga	G.S.Durga	G.S.Durga
2	209P1A0202	J RAJESWARI	J.Rajeswari	J.Rajeswari	J.Rajeswari	J.Rajeswari	J.Rajeswari
3	209P1A0203	K SAI GAYATRI	K.S.Gayatri	K.S.Gayatri	K.S.Gayatri	K.S.Gayatri	K.S.Gayatri
4	209P1A0204	M KAVYA SRI	M.Kavya Sri	M.Kavya Sri	M.Kavya Sri	M.Kavya Sri	M.Kavya Sri
5	209P1A0205	S RADHA KALYANI	S.Radha Kalyani	S.Radha Kalyani	S.Radha Kalyani	S.Radha Kalyani	S.Radha Kalyani
6	209P1A0206	T AISHWARYA	T.Aishwarya	T.Aishwarya	T.Aishwarya	T.Aishwarya	T.Aishwarya
7	209P1A0207	A MANIKANTA	A.Manikanta	A.Manikanta	A.Manikanta	A.Manikanta	A.Manikanta
8	209P1A0208	JOGI VENU	Jogi Venu	Jogi Venu	Jogi Venu	Jogi Venu	Jogi Venu
9	209P1A0209	K NAGA RAJU	K.Nagaraju	K.Nagaraju	K.Nagaraju	K.Nagaraju	K.Nagaraju
10	209P1A0210	K TEJA	K.Teja	K.Teja	K.Teja	K.Teja	K.Teja
11	209P1A0211	PARAMATA SURESH	P.Suresh	P.Suresh	P.Suresh	P.Suresh	P.Suresh
12	209P1A0212	V TEJA DURGA SAI	V.D.Sai	V.D.Sai	V.D.Sai	V.D.Sai	V.D.Sai
13	209P1A0213	K M SAI PRAKASH	K.M.S.Praakash	K.M.S.Praakash	K.M.S.Praakash	K.M.S.Praakash	K.M.S.Praakash
14	219P5A0201	ALLU SANTOSH	A.Santosh	A.Santosh	A.Santosh	A.Santosh	A.Santosh
15	219P5A0202	ANDE YUVARAJU	A.Yuvaraju	A.Yuvaraju	A.Yuvaraju	A.Yuvaraju	A.Yuvaraju
16	219P5A0203	B KAMALNADH	B.Kamalnadh	B.Kamalnadh	B.Kamalnadh	B.Kamalnadh	B.Kamalnadh
17	219P5A0204	B G B RAMULU	B.G.B.Ramulu	B.G.B.Ramulu	B.G.B.Ramulu	B.G.B.Ramulu	B.G.B.Ramulu
18	219P5A0205	C K VARA PRASAD	C.K.V.Prasad	C.K.V.Prasad	C.K.V.Prasad	C.K.V.Prasad	C.K.V.Prasad
19	219P5A0206	D SURYAKIRAN	D.Suryakiran	D.Suryakiran	D.Suryakiran	D.Suryakiran	D.Suryakiran
20	219P5A0207	G D VARA PRASAD	G.D.V.Prasad	G.D.V.Prasad	G.D.V.Prasad	G.D.V.Prasad	G.D.V.Prasad
21	219P5A0208	J VEERA ROHIT	J.V.Rohit	J.V.Rohit	J.V.Rohit	J.V.Rohit	J.V.Rohit
22	219P5A0209	K KUMARASWAMY	K.K.Swamy	K.K.Swamy	K.K.Swamy	K.K.Swamy	K.K.Swamy
23	219P5A0210	K VIJAYA LAKSHMI	K.V.Lakshmi	K.V.Lakshmi	K.V.Lakshmi	K.V.Lakshmi	K.V.Lakshmi
24	219P5A0211	K MAHESH BABU	K.M.Babu	K.M.Babu	K.M.Babu	K.M.Babu	K.M.Babu
25	219P5A0212	KOTRA RUTHIN	K.Ruthin	K.Ruthin	K.Ruthin	K.Ruthin	K.Ruthin
26	219P5A0213	M S RAM SURESH	M.S.R.Suresh	M.S.R.Suresh	M.S.R.Suresh	M.S.R.Suresh	M.S.R.Suresh
27	219P5A0214	M RAVI KUMAR	M.Ravi Kumar	M.Ravi Kumar	M.Ravi Kumar	M.Ravi Kumar	M.Ravi Kumar
28	219P5A0215	M A KUMAR	M.A.Kumar	M.A.Kumar	M.A.Kumar	M.A.Kumar	M.A.Kumar
29	219P5A0216	M B V KRISHNA	M.B.V.Krishna	M.B.V.Krishna	M.B.V.Krishna	M.B.V.Krishna	M.B.V.Krishna
30	219P5A0217	M ARUN DATTA	M.Arundatta	M.Arundatta	M.Arundatta	M.Arundatta	M.Arundatta
31	219P5A0218	N GANESH	N.Ganesh	N.Ganesh	N.Ganesh	N.Ganesh	N.Ganesh
32	219P5A0219	N VAMSI	N.Vamsi	N.Vamsi	N.Vamsi	N.Vamsi	N.Vamsi
33	219P5A0220	P NARAYANA	P.Narayana	P.Narayana	P.Narayana	P.Narayana	P.Narayana

H. Anand
PRINCIPAL
N.R. College of Engy. & Tech
BHIMAVARAM-534 202

34	219P5A0221	P C SAI KALYAN	P.C.S.Kalyan	P.C.S.Kalyan	P.C.S.Kalyan	P.C.S.Kalyan	P.C.S.Kalyan
35	219P5A0222	P LIKHITHA	P.Likhitha	P.Likhitha	P.Likhitha	P.Likhitha	P.Likhitha
36	219P5A0223	P M S LAKSHMAN	P.M.S.Lakshman	P.M.S.Lakshman	P.M.S.Lakshman	P.M.S.Lakshman	P.M.S.Lakshman
37	219P5A0224	P ADITYA VIVEK	PA.Vivek	PA.Vivek	PA.Vivek	PA.Vivek	PA.Vivek
38	219P5A0225	P JAYARAM	P.Jayaram	P.Jayaram	P.Jayaram	P.Jayaram	P.Jayaram
39	219P5A0226	P N V KRISHNA	P.N.V.Krishna	P.N.V.Krishna	P.N.V.Krishna	P.N.V.Krishna	P.N.V.Krishna
40	219P5A0227	P D S NARAYANA	P.D.S.Narayana	P.D.S.Narayana	P.D.S.Narayana	P.D.S.Narayana	P.D.S.Narayana
41	219P5A0228	R H V S GOPAL	R.H.V.S.Gopal	R.H.V.S.Gopal	R.H.V.S.Gopal	R.H.V.S.Gopal	R.H.V.S.Gopal
42	219P5A0229	R L VENKATRAJU	R.L.V.Raju	R.L.V.Raju	R.L.V.Raju	R.L.V.Raju	R.L.V.Raju
43	219P5A0230	T MADHUBABU	T.Madhubabu	T.Madhubabu	T.Madhubabu	T.Madhubabu	T.Madhubabu
44	219P5A0231	T MALLIKHARJUN	T.Mallikharjun	T.Mallikharjun	T.Mallikharjun	T.Mallikharjun	T.Mallikharjun
45	219P5A0232	V ABISHEK	V.Abhishek	V.Abhishek	V.Abhishek	V.Abhishek	V.Abhishek
46	219P5A0233	V DILIP KUMAR	V.Dilipkumar	V.Dilipkumar	V.Dilipkumar	V.Dilipkumar	V.Dilipkumar
47	219P5A0234	Y N S S KISHORE	Y.N.S.S.Kishore	Y.N.S.S.Kishore	Y.N.S.S.Kishore	Y.N.S.S.Kishore	Y.N.S.S.Kishore
48	219P5A0235	Y SAIDATTA	Y.Saidatta	Y.Saidatta	Y.Saidatta	Y.Saidatta	Y.Saidatta
49	219P5A0236	YERUPALLI ADITYA	Y.Aditya	Y.Aditya	Y.Aditya	Y.Aditya	Y.Aditya

H. Anandkumar
PRINCIPAL

N.R. College of Engg. & Tech
BHIMAVARAM-534 202

D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY
BALUSUMUDI, BHIMAVARAM

Approved by AICTE, New Delhi. Affiliated to JNTU, Kakinada & Accredited with NAAC A++ Grade



in collaboration with
ESTELLE DARCY

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. P. N.V. Leela Krishna Roll No. 219P5A0226 has participated in one - week program on "Issues and challenges of Grid Connected Renewable Energy Sources" organized by Department of Electrical and Electronics Engineering at DNR College of Engineering & Technology during on 11th Sep to 15th Sep 2023

Mr. T.V.Rao
Co - Ordinator

Dr. KBVSR Subrahmanayam

HOD - EEE

H. Anand Kumar
PHINCIPAL
N.R. College of Engg. & Tech
BHIMAVARAM-534 202

Dr. D. Ravendhra
Professor GREIT

Director

Dr. M. Anjan Kumar
PHINCIPAL
N.R. College of Engg. & Tech
BHIMAVARAM-534 202