

Department of Electrical and Electronics Engineering

A

Report on

An Expert Lecture

**"PROSPECTS & CHALLENGES IN
RENEWABLE ENERGY"**

On 20th August, 2022. Time: 11:00 AM to 1:00 PM

Department of EEE, Sree Vidyanikethan Engineering College was organized an industry expert lecture on **"PROSPECTS & CHALLENGES IN RENEWABLE ENERGY"** held on 20th August 2022 during the period of 11.0 AM to 1.00 PM at Dasari Auditorium for IV B. Tech. EEE I Sem (A,B,C,D) Students and faculty are participated.

The objective of expert lecture is to Impart training and to promote research and development in the field of Non-conventional energy sources. It was an excellent opportunity for students to access the high-quality expert lecture and possible Internship opportunities on Import & adopt viable technology & machinery in the areas of Non-Conventional Energy Sources & ensures post installation service by New & Renewable Energy Development Corporation of Andhra Pradesh Ltd., [NREDCAP]. This expert lecture was delivered by an eminent personality **Dr.A.RAMANJANEYA REDDY** Garu from **NREDCAP , S.V.UNIVERSITY TIRUPATI.**

Boucher

An Expert Lecture on

PROSPECTS AND CHALLENGES IN RENEWABLE ENERGY



Platform

Offline mode



Date

20 August , 2022



Venue

DASARI
AUDITORIUM



Time

11:00 AM to 01:00 PM

Convener:

Mr.B.V.SAI THRINATH

Assistant Professor Dept. of EEE.

Co-ordinator:

Dr.N.M.G KUMAR

Professor, Dept. of EEE.

Resource person

Dr.A RAMANJANEYA REDDY

Officer on Special Duty ,NREDCAP,S.V.UNIVERSITY-TIRUPATI

NO REGISTRATION FEE

Registration Link

<https://forms.gle/KG7CQyMzKJmvuSuR8>






WHO CAN PARTICIPATE ?

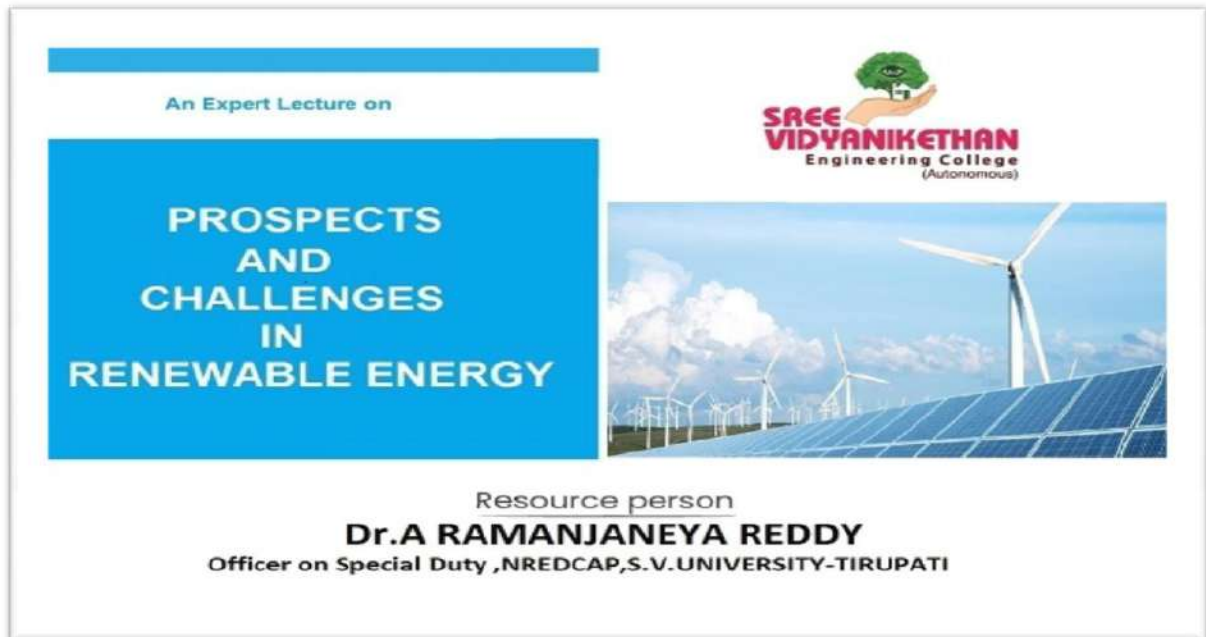
IV B.Tech, UG Students
and Faculty of EEE



Organized By:

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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Banner for an Expert Lecture at Dasari Auditorium



Inaugural and welcome address by Mr.B.V.SAI THRINATH in expert lecture at Dasari Auditorium



Resource Person along with H.O.D-EEE ,Staff & Students



Resource person addressing the participants



Delivering lecture by Resource person to participants



Delivering real time projects at NREDCAP to the students



Queries by Staff & HOD in the Expert Lecture



Felicitation to Resourse Person



Dr. N M G Kumar proposing vote of thanks to resource person and participants.

Profile of Expert :

**Dr.A.Ramanjaneya Reddy
M.Sc.,(Ag.), Ph.D.,
Special Officer on Duty,
NREDCAP,
SV UNIVERSITY,
Tirupati (Dt).**



BriefBio data

Dr. A. RAMANJANEYA REDDY
Officer on Special Duty, NREDCAP, Quarter
No.03, Red Building,
S.V. University Campus, Tirupati-517502 Andhra
Pradesh

Mobile no.: +91-9441454641

Mail ID: amreddy.2000@gmail.com

Dr. A. Ramanjaneya Reddy is presently working as Officer on Special Duty, NREDCAP, Tirupati, Andhra Pradesh, India. He has obtained his B.Sc., (Agri.) from Acharya N.G. Ranga Agricultural University, Hyderabad, M.Sc., (Agriculture) with specialization in Soil Science from CCS Haryana Agricultural University, Hissar, Haryana, India and Ph.D. (Agriculture) from Acharya N.G. Ranga Agricultural University, Guntur, India. He had four years of teaching experience and nine years of research experience in the field of soil science.

He has the experience of teaching both under graduate, post graduate and Ph.D. students and acted as member of advisory committee for 20 students. He has to his credit 30 research papers published in various national and international journals and more than 10 abstracts published in various seminars, symposia and conferences.

Executed and concluded as Project leader for state funded projects like: Effect of foliar application of Fe, Zn and B in combination with Mg on the yield and quality of Acid lime (*Citrus aurantifolia* Swingle) under *Alfisols* of Andhra Pradesh, Standardization of optimum N, P and K requirement for drum stick (*Moringa oleifera* Lam) variety PKM -1 under *Alfisols* of Andhra Pradesh and, Survey and monitoring of important nutritional deficiencies of acid lime in Nellore District.

Presently he is the life member of Member in Andhra Pradesh Journal of Agricultural Sciences, Tirupati, Journal of Agropedology, NBSSLUP, Nagpur, Journal of Indian Society of Soil Science, New Delhi and Society of Agri-nano technology, Tirupati.

He had undergone training programme on 'Developments in organic farming in tropical Islands of India' held at ICAR -Central Island Agricultural Research Institute (CARI(CS)), Port Blair, Andaman & Nicobar, during November-2017 and training on 'Advance Remote Sensing, GIS and Spatial Modeling in Land Resource Mapping and Management' held at ICAR -National Bureau of Soil Survey and Land Use Planning (NBSSLUP), Nagpur during August-2018.

Challenges & Real time Experiments at NREDCAP, Tirupati

Challenges:


1. One of the biggest challenges in RE development is the high initial cost of installation.
2. Proper system planning and integration is another important aspect.
3. Most RE systems are weather dependent.
4. Social acceptance of renewable-based energy system is still not very encouraging in urban India.
5. Manpower training is another grey area.
6. Efficiency of RE sources.
7. Environmental impact.

RE experiments at NREDCAP, Tirupati

S.No.	Name of the experiment
1	Solar - wind hybrid
2	Solar power multiplication
3	Pico pumped hydro power
4	Micro wind turbine - verticle axis
5	Exercise cycle generator
6	Micro wind turbine tree type

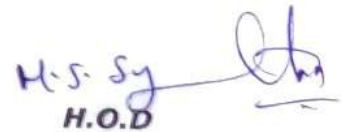
Around 150 B.Tech Students and Staff of Electrical and Electronics Engineering benefited with this Expert Lecturer.

Finally I would like to thank our Management, Head of the EEE Dept., for giving me a wonderful support and opportunity to conduct this Expert Lecture.



**Mr. B.V.SAI THRINATH
(CONVENER)**

CONVENER



H.O.D

**HOD
Department of EEE
SREE VIDYANIKETHAN ENGINEERING COLLEGE
Sree Sainath Nagar, A. RANGAMPET
CHITTOOR (Dt.) - 517 102, A.P.**



SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

Sree Sainath Nagar, Tirupati - 517102

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OUTCOMES:

On successful completion of the expert lecture, students will be able to:

1. Understand the real time projects held by NREDCAP, India.
2. Discriminate between Commercial and Noncommercial energy
3. Get the practical exposure and to promote research and development in the field of Non-conventional energy sources
4. Carriers to Import & adopt viable technology & machinery in the areas of Non-Conventional Energy Sources & ensures post installation service.
5. Apply to the internship program for B.Tech EEE Students.

Mr. B.V.SAI THRINATH
(CONVENER)

CONVENER



SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, Tirupati - 517102

List of the Participants

S.NO	SECTION	ROLL NO	NAME OF THE PARTICIPANT
1	EEE-A	19121A0201	A SAI CHANDU
2	EEE-A	19121A0202	ABBARAJU MOHANA KRISHNA
3	EEE-A	19121A0203	ABBURU MAHATHI
4	EEE-A	19121A0204	ACHUKATLA SHAHINA
5	EEE-A	19121A0205	ADIANDHRA GOWRI MAHESH
6	EEE-A	19121A0206	ADLURU SUSHMA
7	EEE-A	19121A0207	ALCHURI NIKHITHA
8	EEE-A	19121A0209	AMBATI SATHISH
9	EEE-A	19121A0210	ANGATI YESWANTH MANOJ KUMAR
10	EEE-A	19121A0211	ANKE LAKSHMI
11	EEE-A	19121A0212	ARIGONDAM MUNIDURGA PRASAD
12	EEE-A	19121A0213	B BHUVANESWARI
13	EEE-A	19121A0214	BAALA YASHASHWINI
14	EEE-A	19121A0215	BADI GINCHULA ANIL KUMAR
15	EEE-A	19121A0216	BANDAM RAHUL
16	EEE-A	19121A0217	BANDI DORA BABU
17	EEE-A	19121A0218	BANKA GOWTHAM
18	EEE-A	19121A0219	BANTROTHU VYSHNAVI
19	EEE-A	19121A0220	BATTALA RESHWANTH
20	EEE-A	19121A0221	BEESU SUNILKUMAR
21	EEE-A	19121A0222	BENGULORE HEMANTH
22	EEE-A	19121A0223	BIJIVEMULA MADHAVA REDDY
23	EEE-A	19121A0224	BILLE MOKSHITHA
24	EEE-A	19121A0225	BOBBA AVINASH
25	EEE-A	19121A0226	BOGALA MAHESH KUMAR REDDY
26	EEE-A	19121A0227	BOILLA AMRUTHA
27	EEE-A	19121A0228	BOMMAKAGARI VINAY KUMAR
28	EEE-A	19121A0229	BONAMUKKALA PRAVEEN KUMAR REDDY
29	EEE-A	19121A0230	BONGANI MAHESH
30	EEE-B	19121A0294	KUMBHARATHI NANDINI
31	EEE-B	19121A0295	KUNTRAPAKA MUNITEJA
32	EEE-B	19121A0296	KURAKU VENKATA GANESH
33	EEE-B	19121A0297	KURUBA BHARGAVI
34	EEE-B	19121A0298	KURUBA PAVAN KUMAR
35	EEE-B	19121A0299	M A AFREED ALI
36	EEE-B	19121A02A0	MADAPURAM ANUSHA
37	EEE-B	19121A02A1	MADIGA ARAVIND
38	EEE-B	19121A02A2	MAGULURU SRI CHARITHA
39	EEE-B	19121A02A3	MALLI SRAVANI

40	EEE-B	19121A02A4	MANGIRI MANOHAR
41	EEE-B	19121A02A5	MARTHALA GURU MAHESWARA REDDY
42	EEE-B	19121A02A6	MAVILLA JAYANTH
43	EEE-B	19121A02A7	MEESALA SOMA SEKHAR
44	EEE-B	19121A02A8	MENATI HARSHA VARDHAN
45	EEE-B	19121A02A9	MIDDE BHAVANA
46	EEE-B	19121A02B0	MONDELA MAHESH BABU
47	EEE-B	19121A02B1	MOOLAANKAPPAGARI TEJASWI KUMAR
48	EEE-B	19121A02B2	MUKTHAPURAM SIVA SAI KIRAN
49	EEE-B	19121A02B3	MUSALI AJAY KUMAR
50	EEE-B	19121A02B4	MUSARA HITAIISHI
51	EEE-B	19121A02B5	N NIHARIKA
52	EEE-B	19121A02B6	NADAVULURU PRASANNA VENKATESH
53	EEE-B	19121A02B7	NAGARCHI THASLEEM
54	EEE-B	19121A02B8	NALISSETTY NIKHILA
55	EEE-B	19121A02C0	NALLAGARI DILEEP KUMAR REDDY
56	EEE-B	19121A02C1	NALUGURI VAISHNAVI DIVYA
57	EEE-B	19121A02C2	NANDYALA NITHIN
58	EEE-B	19121A02C3	NARENDRA NAIK J
59	EEE-B	19121A02C4	NARREDDULA MALLIKARJUNA REDDY
60	EEE-B	19121A02C5	NARREDDYCHINNASANGANNAGARI VINEELA
61	EEE-B	19121A02C6	NEERUGANTI VANI
62	EEE-B	19121A02C7	NIMMANAPALLI BABU REDDY
63	EEE-C	19121A02C8	NITTURU BABA FAKRUDDIN
64	EEE-C	19121A02C9	NOSSAM JOEL NITHISH
65	EEE-C	19121A02D0	NUTANA KALAVA BALAJI REDDY
66	EEE-C	19121A02D1	NUTHANAPATI VISHNU PRIYA
67	EEE-C	19121A02D2	PAKANATI VENKATA SURESH
68	EEE-C	19121A02D3	PALAGIRI NAGA MARUTHI ABHIGNA
69	EEE-C	19121A02D4	PALLA JAHNAVI
70	EEE-C	19121A02D5	PASUPULETI PAVAN KALYAN
71	EEE-C	19121A02D6	PATIKE KARUNAKAR RAO
72	EEE-C	19121A02D7	PATTUPOGULA EKSHITHA
73	EEE-C	19121A02D8	AMAN KUMAR YADAV
74	EEE-C	19121A02D9	JYOTIK LAL SAH
75	EEE-C	19121A02E0	KETHIREDDY MADHUSUDHAN REDDY
76	EEE-C	19121A02E1	MD AJAAD MIKRANI
77	EEE-C	19121A02E2	PATURI PRASANNAKUMAR
78	EEE-C	19121A02E3	PEDAMALA DINESH
79	EEE-C	19121A02E5	PEESAY SAI KRISHNA
80	EEE-C	19121A02E6	PILLALA AJAYKUMAR
81	EEE-C	19121A02E8	POLIREDDY SRAVANTI
82	EEE-C	19121A02E9	PONNEGANTI VENKATA CHAITANYA
83	EEE-C	19121A02F0	POTLURU SIVA SARAN
84	EEE-C	19121A02F1	PULATHOTA KURUVA HARISH
85	EEE-C	19121A02F2	PULIPATI SHASHANK
86	EEE-C	19121A02F3	PULURU VENKATA ARAVINDHA REDDY
87	EEE-C	19121A02F4	PUNYA SAMUDRAM SNEHA

88	EEE-C	19121A02F5	PUTHALAPATTU SAI CHANAKYA
89	EEE-C	19121A02F6	PUTLURU MOUNIKA REDDY
90	EEE-C	19121A02F7	PYINTI SHAHUL AHAMMED
91	EEE-C	19121A02F8	RACHAGIRI HANISH
92	EEE-C	19121A02F9	RAM KRISHNA MANDAL
93	EEE-C	19121A02G0	RAMAYANAM DHARMA TEJA
94	EEE-C	19121A02G1	RAYALA NIHARIKA
95	EEE-C	19121A02G2	REDDICHERLA PRANEETH
96	EEE-C	19121A02G3	REDDIVARI SUMITHRA
97	EEE-C	19121A02G4	RENATI ARAVIND
98	EEE-C	19121A02G5	S SRIKRISHNA
99	EEE-C	19121A02G6	SALADI SIREESHA
100	EEE-C	19121A02G7	SALLA SIREESHA
101	EEE-C	19121A02G8	SANE SIVA MOHAN
102	EEE-D	20125A0201	ALAVALAPATI DEEPAK KUMAR REDDY
103	EEE-D	20125A0202	BADURI ASHOK
104	EEE-D	20125A0203	BONTHALA HARISH
105	EEE-D	20125A0204	C MUNI TEJASWINI
106	EEE-D	20125A0205	JAKKA NEHA SREE
107	EEE-D	20125A0206	JERRY NAVEEN KUMAR
108	EEE-D	20125A0207	KALUVAGADDA ANIL KUMAR
109	EEE-D	20125A0208	KANTAGANI PRASANNA LAKSHMI
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111	EEE-D	20125A0210	MADIRI PRAVEEN
112	EEE-D	20125A0211	MALEPATI REDDYPRIYA
113	EEE-D	20125A0212	MUKKAMALLA RATHANA KUMARI
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116	EEE-D	20125A0215	PALLALA SAI SREE
117	EEE-D	20125A0216	PALLAPU PAVAN KUMAR
118	EEE-D	20125A0217	PAYNAM SAPTHAGIRI SATHISH
119	EEE-D	20125A0218	PRABHULETI JYOTHSNA
120	EEE-D	20125A0219	RAMAGIRI VENU GOPAL
121	EEE-D	20125A0220	SHAIK ARIF
122	EEE-D	20125A0221	SHAIK SHOYUB
123	EEE-D	20125A0222	SIRIGIRI VISHNUTEJA GOUD
124	EEE-D	20125A0223	TANGUTURI V V N PAVAN SAI HARSHATH
125	EEE-D	20125A0224	TATICHERLA MANIKANTA
126	EEE-D	20125A0225	THAMMINENIMAHENDRA JYOSHNA
127	EEE-D	20125A0226	THOTA GURU CHANDRIKA
128	EEE-D	20125A0227	VADITHE BHARATH NAIK
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130	EEE-D	20125A0229	VEMPALAKU VAMSI PRIYA
131	EEE-D	20125A0230	VIRUPAKSHI LAKSHMI VARA PRASAD
132	EEE-D	20125A0231	YETTI GANESH
133	EEE-D	20125A0232	BORRA MOHNISH
134	EEE-D	20125A0233	DAMPETLA BHANU SWAROOP
135	EEE-D	20125A0234	GOWTHAM K

136	EEE-D	20125A0235	KANDULA KEERTHANA
137	EEE-D	20125A0236	KAPU VIVEKANANDAREDDY
138	EEE-D	20125A0237	KONDUMURI VEDHA SAIGANESH
139	EEE-D	20125A0238	POLOPALLI VASAVI
140	EEE-D	20125A0239	PUTTA SRIDHAR SOMESWAR
141	H.O.D	Professor	Dr.M.S.SUJATHA
142	STAFF	Professor	Dr.N.N.G.KUMAR
143	STAFF	Professor	Dr.V .ARUN
144	STAFF	Professor	Dr.S.PRABU
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148	STAFF	Assoc Prof	Dr.M.RAM PRASAD REDDY
149	STAFF	Asst Prof	Mr. B.V.SAI THRINATH
150	STAFF	Asst Prof	Mr.T.PENCHALAI AH



Mr. B.V.SAI THRINATH
(CONVENER)

CONVENER,



H.O.D

HOD

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