



GIET ENGINEERING COLLEGE

APPROVED BY AICTE, AFFILIATED TO JNTUK : KAKINAD, ACCREDITED BY NAAC

NH-16, CHAITANYA KNOWLEDGE CITY, GIET CAMPUS, RAJAMAHENDRAVARAM, A.P., INDIA 533296

Accredited by NAAC TEL: 91-883-6577446, 9133833322, <http://www.gietec.ac.in> Email: principal_t9@yahoo.co.in

naran.ssnraiu@gmail.com

Dr. S. Suryanarayana Raju
Ph.D., M.I.S.T.E., M.B.R.S.I.
PRINCIPAL

DATE: 12-07-2018

CIRCULAR

Sub: GEC, RJY A.Y. 2018-2019 FDP Program by the Dept, of CSE - Reg.

All staff and students are hereby notified that the departments of CSE will be hosting a 5-day FDP on Natural Language Processing from 16th to 20th July, 2018 in the C.V Raman Block Seminar Hall at GIET ENGINEERING COLLEGE, Rajahmundry.

All faculty members are encouraged to take advantage of this chance to attend the workshop.


PRINCIPAL

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY - 533 296.




Copy to:

1. VC/GM for kind information
2. All HOD's
3. E-Circulation to among all the staff.
4. All notice boards








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GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

ABOUT COLLEGE

GIET Engineering College is an epitome of excellence in every aspect. Approved by AICTE and affiliated to JNTU, Kakinada (JNTUK) and accredited by NAAC, the institute offers undergraduate programs in diverse engineering streams. It features state-of-the-art facilities and highly qualified and knowledgeable pool of staff members. Apart from the prescribed course curricula, the institute offers an entire educational experience. It has been a pioneer in adopting several pedagogic innovations for the benefit of students. The achievements of the students of this institution in academics as well as placements stand testimony to the fact.

ABOUT DEPARTMENT

Department of Computer Science and Engineering was started in the year 2005. It is offering graduate program B.Tech. Department has well qualified and dedicated faculty members. Department has produced good number of graduates well settled in industry and some are also involved in research activities


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ABOUT PROGRAM

Natural Language Processing (NLP) is the intersection of computer science, linguistics and machine learning. The field focuses on communication between computers and humans in natural language and NLP is all about making computers understand and generate human language.

This course starts with the basics of text processing including basic pre-processing, spelling correction, language modeling, Part-of-Speech tagging, Constituency and Dependency Parsing, Lexical Semantics, distributional Semantics and topic models.

Program Contents

- Fundamentals of NLP
- Spelling corrections
- Models for sequential tagging
- NLP models
- Text Summarization



5-DAY FACULTY DEVELOPMENT PROGRAM ON Natural Language Processing

16th to 20th JULY 2018

Organized by

*Department of
Computer Science and
Engineering*



GIET
ENGINEERING COLLEGE



Registration form

**5-DAY
FACULTY DEVELOPMENT PROGRAM
ON
Natural Language Processing**

Name of the Participant:

Name of the Institute:

Address for Correspondence:

Department:

Mail Id:

Phone no:

Signature of the participant:

Dt :



CHIEF PATRON

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Sri. Sasi Kiran Varma, Vice Chairman, Chaitanya

Group

Smt. K.V. V. Lakshmi, Executive Director,

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CO-CONVENER

Ms.B.SAI DEEPTHI, Assistant .Prof

RESOURCE PERSON

Dr. D. Sirisha, Professor

Department of IT

Pragathi Engineering College

ORGANISING COMMITTEE

Mr. D.Phani Kumar,Ass.prof

Mrs.T.Meenakshi,Ass.prof

Mrs. G.Satya Kumari,Ass.prof

CONTACT:

Mr R.Lakshmi Kumar,8247605280

lakshmikumar.r@gmail.com

Mr.P.v.s.k.Manikanta, 9963789796

Manikanta.p@gmail.com

REGISTRATION FEES : 500Rs



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TEL: 91-883-6577446, 9133833322, <http://www.gietec.ac.in>

naran.ssnraju@gmail.com, ssnraju@giet.ac.in

FDP ON Natural Language Processing
Department of Computer Science and Engineering
PROGRAM REPORT

Dt: 22-07-2018

Resource Person : Dr. D Sirisha
Professor
Department of IT
Pragati Engineering College

Duration : 5-Day
Dates : 16th to 20th JULY 2018
No.Of Participants : 40

Description : The ceremony was launched on 16/07/2018 by the chairman sri. K.V.V.Satyanarayana Raju garu, Principal Dr.S.Suryanarayana Raju, HOD Of CSE Mrs.Shrija Madhu, and all the CSE faculty.

On the same day, the Resource person led a session in which She introduced Course introduction, overview and its applications.

The second day session began at 10 a.m., with the resource person delivering her presentation on Language modeling: Advance Smoothing models .

On the third day, the session began at 10 a.m. as normal, with a lecture on Introduction to POS Tagging.

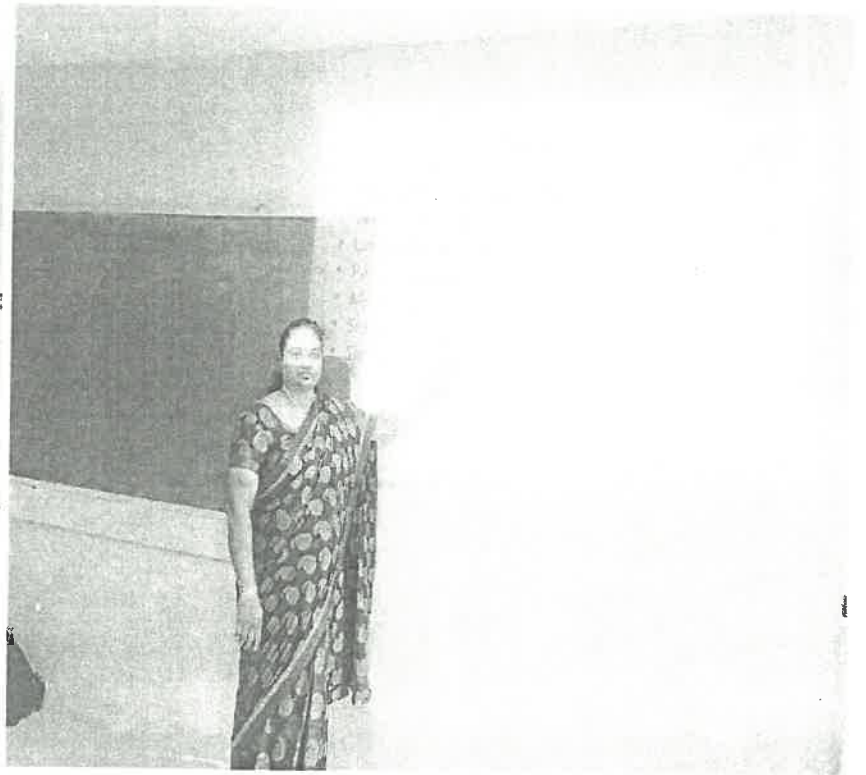
On the 4th day Session was started usual time at 10AM and given the lecture on PCFGs Inside-Outside-Probability.

Dsw

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On the fifth day, the session began at 10 a.m. as normal, with a lecture on the Dependency Grammar and Parsing .

At the end of the session, the resource person was honoured by the Principal and HOD of CSE at GIET Engineering College.



B. Sindhu
CO- CONVENER

Om

Leija Radhika
CONVENER

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naran.ssnraju@gmail.com

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING A 5-DAY FDP PROGRAM ON NATURAL LANGUAGE PROCESSING ATTENDANCE SHEET

SNO	NAME OF THE FACULTY	16-07-2018	17-07-2018	18-07-2018	19-07-2018	20-07-2018
1	Mr. Gandhavalla Sambasiva Rao	G.S.Rao	G.S.Rao	G.S.Rao	G.S.Rao	G.S.Rao
2	Mr. Bethineedi Veerendra	B.Veerendra	B.veerendra	B.Veerendra	B.Veerendra	B.Veerendra
3	Mr. Battula Lakshmana Rao	LakshRao	LakshRao	LakshRao	LakshRao	LakshRao
4	Mr.A P V Raghavendra	Ragavendra	raghavendra	raghavendra	raghavendra	raghavendra
5	Mr. Orruganti Ramannadora	Ramant	Rame	Ram	Ram	Ram
6	Ms. Sriramsetti Vijayalakshmi	Vijaylax	Vijaylax	Vijaylax	Vijaylax	Vijaylax
7	Mrs. K. Lakshmi Viveka	K.L.Viveka	K.L.Viveka	K.L.Viveka	K.L.Viveka	K.L.Viveka
8	Ms. I. Gayatri Devi	I.G.Devi	I.G.Devi	I.G.Devi	I.G.Devi	I.G.Devi
9	Mrs. G Kumari	G.kumari	G.kumari	G.kumari	G.kumari	G.kumari
10	Mr. K. Chandra Sekhar	K.Sekhar	K.c.sekhar	K.c.sekhar	K.c.sekhar	K.c.sekhar
11	Ms. U.Sandhya Rani	Rani	Rani	Rani	Rani	Rani
12	Ms. R. Sri Divya	R.Sridiyya	R.Sridiyya	R.Sridiyya	R.Sridiyya	R.Sridiyya
13	Ms. P. Manasa	P.MANASA	P.MANASA	P.MANASA	P.MANASA	P.MANASA
14	Mr. N. Jagannadha Rao	Jagannadha	Jagannadha	Jagannadha	Jagannadha	Jagannadha
15	Ms.S. Kavitha	S.Kavitha	S.Kavitha	S.Kavitha	S.Kavitha	S.Kavitha
16	Ms. P. U. Visweswari	visweswari	visweswari	visweswari	visweswari	visweswari
17	Ms. Darapu Uma	D.Uma	D.Uma	D.Uma	D.Uma	D.Uma
18	Mr. P. Surya Prabhakara Rao	P.S.P.Rao	P.S.P.Rao	P.S.P.Rao	P.S.P.Rao	P.S.P.Rao
19	Mr. V. Surya Prakash	Surya Prakash	Surya Prakash	Surya Prakash	Surya Prakash	Surya Prakash

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20	Mr Ch Venkata Ramana	Raman	Rana	Ranna	Ramara	Ranara
21	Ms. J Sandhya Rani	Sandhya Rani	Sandhya Rani	Sandhya Rani	Sandhya Rani	Sandhya Rani
22	Ms. B Preethi	B. preethi	B. preethi	B. preethi	B. preethi	B. preethi
23	Mr. D Srikar	Srikar	Sekar	Sekar	Sekar	Sekar
24	Mr. J V Ramakumar	J. Ramakumar	Ramakumar	Ramakumar	Ramakumar	Ramakumar
25	Mr. U.S.V. Vinod	U.S.V. Vinod	U.S.V. Vinod	U.S.V. Vinod	U.S.V. Vinod	U.S.V. Vinod
26	Mr. R. Madhu Sudhana Rao	Madhu	Madhu	Madhu	Madhu	Madhu
27	Mr. G.S.V.R. Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
28	Mr. Janga Ravi Chander	Chander	chander	chander	chander	chander
29	Mr. Jonukuti Shekar	J. shekar	J. shekar	J. shekar	J. shekar	J. shekar
30	Ms. Ellandula Shireesha	Shireesha	shireesha	Shireesha	Shireesha	Shireesha
31	Mr. Mandapalli Harikrishna	Harikrishna	Harikrishna	Harikrishna	Harikrishna	Harikrishna
32	Dr. Yalla Venkateswarlu	Yall	Yall	Yall	Yall	Yall
33	Mr. G. Mahesh	G. Mahesh	G. Mahesh	G. Mahesh	G. Mahesh	G. Mahesh
34	Mr. L. Naga Raju	L. Naga Raju	L. Naga Raju	L. Naga Raju	L. Naga Raju	L. Naga Raju
35	Mr. D. Phani Kumar	D. Phani	D. Phani	D. Phani	D. Phani	D. Phani
36	Ms. M. K. Rekha	(M)	(M)	(M)	(M)	(M)
37	Mr. P. K. Anajaneyulu	Anaja	Anaji	Anaja	Anaji	Anaja
38	Mr. Manikanta P V K S A	Manikanta	Manikanta	Manikanta	Manikanta	Manikanta
39	Mrs. K. Lahari	K. Lahari	K. Lahari	K. Lahari	K. Lahari	K. Lahari
40	Ms. Sarada K Alwar	SK Alwar	SK Alwar	SK Alwar	SK Alwar	SK Alwar

B. S. D. S. S.
Coordinator

(Signature)

(Signature)
Convener




GIET ENGINEERING COLLEGE

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NH-16, Chaitanya Knowledge City, GIET Campus, Rajamahendravaram-533296, A.P, India
Phone: 9652929111, Website: <https://www.gietec.ac.in>, email: principalgcec@giet.ac.in

Certificate

This is to certify that Dr/Mr/Mrs. D.UMA of KITS, DIVULU participated in a Five Day Faculty Development Program on “Natural Language Processing” held from 16th to 20th July 2018, Organised by Department of Computer Science and Engineering, GIET Engineering College.

M. Neelima
Co-ordinator


Principal
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NH-16, Chaitanya Knowledge City,
RAJAHMUNDY-533 296.


Principal




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Certificate

This is to certify that Dr/Mr/Mrs. U.S.V. Vinod of BIET Engg College participated in a Five Day Faculty Development Program on "Natural Language Processing" held from 16th to 20th July 2018, Organised by Department of Computer Science and Engineering, GIET Engineering College.

M. Neelima
Co-ordinator


Principal
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NH-16, Chaitanya Knowledge City,
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Principal




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Phone: 9652929111, Website: <https://www.gietec.ac.in>, email: principalgec@giet.ac.in

Certificate

This is to certify that Dr/Mr/Mrs. D. LAXMAN RAD of Pragati Engg College (Autonomous)
participated in a Five Day Faculty Development Program on "Natural Language Processing" held
from 16th to 20th July 2018, Organised by Department of Computer Science and Engineering,
GIET Engineering College.

M. Neelima
Co-ordinator


Principal
GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge City,
RAJAHMUNDY-533 296.


Principal

Dr. S. Suryanarayana Raju
Ph.D., M.I.S.T.E., M.B.R.S.I.
PRINCIPAL

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2018-19/GEC

12.01.19

ORIGINATOR	CIVIL & ME ENGINEERING
CIRCULATED TO	Department of – CSE , ECE ,EEE ,MBA , HBS , LIBRARY,

All staff are hereby notified that the departments of CIVIL & ME will be holding a Five Day Faculty Development Program on **Challenges and Opportunities in Collection, Storage and Utilization of Solar Thermal Energy** From 07/01/2019 to 11/01/2019 ,every day from 10 : 00 AM to 4 :30 PM , at the C.V Raman Block Seminar Hall

Venue: C.V Raman Block Seminar Hall

Date : 07-01-2019


Coordinator

K L N Murthy, Sr. Asst.Prof (Ph.D)

Head, Mechanical Engg. Dept.


Convenor

U Subbalakshmi, Assot.Prof (Ph.D)

Head, Civil Engg. Dept.







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About GIET

The college is located at Chaitanya Nagar on NH-16 on the outskirts of Rajamahendravaram, in GIET campus. GIET Engineering College is an epitome of excellence in every aspect. Institute is Approved by AICTE and affiliated to JNT University Kakinada (JNTUK). The Institute got accredited by NAAC. The institute offers undergraduate programs in diverse engineering streams. It features state-of-the-art facilities and highly qualified and knowledgeable pool of staff members.

Who can attend the Faculty Development Programme

The faculty members of the AICTE approved institutions, research scholars (PG and Ph. D), participants from Government, Industry (Bureaucrats / Technicians / Participants from Industry etc.) and staff of host institutions.

Vision

To evolve as a Premier Engineering Institution in the Country with its continues strive for excellence in Education, Research and Technological Services.

Dut
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Mission

To generate the community of highly learned students with greater acquirement of knowledge and to apply it professionally with due consideration for ecological, economic and ethical issues.

To provide knowledge-based technological services at the best satisfaction of society and for the industrial needs.

To foster the research and disseminate research findings.

To build in capabilities for advancing education, technology, values, management and research at international standards.

Organizing Committee

CHIEF PATRON

Sri. K.V.V. Satyanarayana Raju
Chairman, GIET Institutions

PATRON

Sri. Sasi Kiran Varma Kalidindi
Vice Chairman, GIET Institutions
Smt. Lakshmi Sasi Varma Kalidindi
Executive Director, GIET Institutions
Dr. P. Subba Raju,
General Manager, GIET Institutions
Dr. T.V. Prasad,
Director QA, GIET Institutions

CHAIRMAN

Dr.S.Surya Narayana Raju
Principal, GIET Engineering College.

CONVENER

K. I. N Murthy, Sr. Asst.Prof (Ph.D)
HOD-ME, GEC.

COORDINATOR

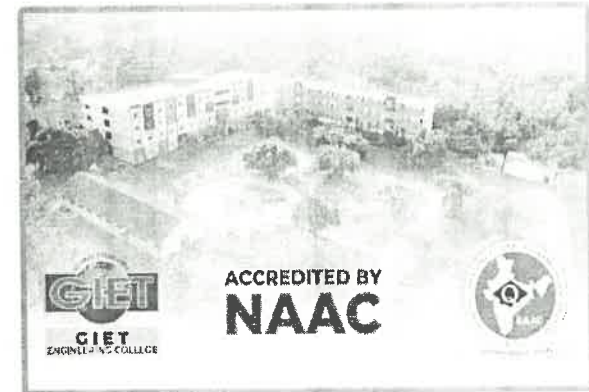
U Subba Lakshmi, Assot.Prof (Ph.D)
HOD-CIVIL, GEC.

5 Day Online Faculty Development Programme

on
Challenges and Opportunities in Collection, Storage
and Utilization of Solar Thermal Energy

(07 Jan - 11 Jan 2019)

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Organized by

Department of Civil & Mechanical Engineering
GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge City,
Rajahmundry-533 296, EAST Godavari District,
Andhra Pradesh, India

Objectives of the FDP

The main objective of the FDP is to plan and help in imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging areas.

Solar energy is a safe alternative energy which can replace current fossil fuels like coal and gas for generation of electricity that produce air, water, and land pollution. Use of solar energy will eliminate these unsafe, unclean consequences from using conventional fossil fuels.

But there are many challenges to use the solar thermal energy such as dilute, non-uniformity, costly, awareness etc. In spite of many promising benefits of solar energy, there is a need to overcome these difficulties before the development of the technologies.

The solar thermal energy collectors are very low efficient due to heavy heat transfer losses. There is a challenge to improve the current status by new techniques and devices. There are wide applications of solar thermal engineering i.e. power generation, desalination, process heating, cooling, cogeneration, tri-generation, poly-generation etc. Developing a suitable energy conversion configurations/products meet the human needs at domestic, industrial and commercial levels.

The FDP covers the basics of solar energy, nomenclature, solar geometry, solar radiation, estimation, measurement, flat plate collectors, solar water heaters, solar air heaters, novel solar thermal collectors, tracking improvements, thermal conversion applications viz power generation, desalination, solar assisted hybrid plants, cogeneration, multi-utility product

The outcomes of this FDP on solar thermal energy are

- Apply the solar geometry and solar radiation to evaluate the solar thermal technologies.
- Study on solar energy storage such as sensible heat storage, latent heat storage, thermo-chemical heat storage.
- Design the solar thermal collectors suitable to the application such as power generation, desalination, air conditioning, drying etc.

About the Department

ME & Civil engineering is an evergreen discipline that involved in the application of basic science and mathematical principles to design, analyze, manufacture, and maintenance of mechanical systems. Mechanical engineers work across a huge variety of industries. Mechanical engineers are in the design, manufacture and maintenance of things ranging from a small safety pin to a giant ship. It is one of the oldest branches of engineering, it is also one that continues to change and grow with the advancements in technology making it a vibrant and exciting career path even to this day. The total number of engineers employed in the U.S. in 2015 was roughly 1.6 million. Of these 17.28% were mechanical engineers, the largest discipline by size.

The department is equipped with academically sound and experienced faculty specialized in various areas of mechanical engineering. The department is provided with state of are laboratories and software. In addition to the regular curriculum we conduct programs like add-on training programs on drafting, solid modelling, etc., Industrial visits, Seminars.

Resource persons

Dr.D.Ravi Kishore

Head of the Department,
Chairman-BoS
EEE Department
GIET(A), Rajahmundry.

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Topics to be Covered

- Sun-Earth Geometry
- Solar Radiation
- Solar Collectors
- Solar Thermal Storage
- Solar Energy Utilization
- Nano Fluids in Solar Applications
- Solar Radiative Cooling Technologies
- Solar Desalination
- Solar Thermal Power Generation
- Solar Poly-generation
- Modeling and Simulation of Solar Thermal Systems
- Optimization of Solar Thermal Units

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SANCET CODE: GIET



Department of ME & Civil Engineering

DEPARTMENT OF ME & CIVIL ENGINEERING

5 DAYS Faculty Development Program
 on

Challenges and Opportunities in Collection, Storage and Utilization of Solar Thermal Energy

SCHEDULE SHEET

DAY	TIME	TOPIC
DAY 1	10 : 00 TO 11 : 30	Inauguration
	11 : 30 TO 11 : 45	Break
	11 : 45 TO 01 : 00	Introduction
	01 : 00 TO 04 : 30	Sun-Earth Geometry
DAY 2	10 : 00 TO 01 : 00	Solar Radiation
	02 : 00 TO 04 : 30	Solar Collectors
DAY 3	10 : 00 TO 01 : 00	Solar Thermal Storage
	02 : 00 TO 04 : 30	Solar Energy Utilization
DAY 4	10 : 00 TO 01 : 00	Nano Fluids In Solar Applications
	02 : 00 TO 04 : 30	Solar Radiative Cooling Technologies
DAY 5	10 : 00 TO 11 : 00	Solar Desalination
	11 : 00 TO 12 : 30	Valedictory

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DEPARTMENT OF ME & CIVIL ENGINEERING

5 DAYS Faculty Development Program


On


Challenges and Opportunities in Collection, Storage and
Utilization of Solar Thermal Energy

ATTENDANCE SHEET

S.NO	NAME OF THE FACULTY	07/01/2019	08/01/2019	09/01/2019	10/01/2019	11/01/2019
1.	P. Linga musthy	P.Linga musthy	P.Linga musthy	P. linga musthy	P.Linga musthy	P.Linga musthy
2.	MD.Haseebuddin	MD.Haseebuddin	MD.Haseebuddin	MD.Haseebuddin	MD.Haseebuddin	MD.Haseebuddin
3.	G. Avinash	G. Avinash	G. Avinash	G. Avinash	G. Avinash	G. Avinash
4.	M. Sunil Raj	M. Sunil Raj	M. Sunil Raj	M. Sunil Raj	M. Sunil Raj	M. Sunil Raj
5.	Ch. vasantha lakshmi	Ch.V.lakshmi	Ch.V.lakshmi	Ch.V.lakshmi	Ch.V.lakshmi	Ch.V.lakshmi
6.	S. Srikanth	S.Srikanth	S.Srikanth	S.Srikanth	S.Srikanth	S.Srikanth
7.	D.J. Johnson	D.J. Johnson	D.J. Johnson	D.J. Johnson	D.J. Johnson	D.J. Johnson
8.	A. udaya bhaskar	A. Uday	A. Uday	A. Uday	A. Uday	A. Uday
9.	P. sukumar	P. Sukumar	P. Sukumar	P. Sukumar	P. Sukumar	P. Sukumar
10.	B. Anusha Srikanth	B. Anusha	B. Anusha	B. Anusha	B. Anusha	B. Anusha
11.	M. Rajesh	M. Rajesh	M. Rajesh	M. Rajesh	M. Rajesh	M. Rajesh
12.	K. Aravinda	K. Aravinda	K. Aravinda	K. Aravinda	K. Aravinda	K. Aravinda
13.	P. Gayatri	P. Gayatri	P. Gayatri	P. Gayatri	P. Gayatri	P. Gayatri
14.	M. Anusua	M. Anusua	M. Anusua	M. Anusua	M. Anusua	M. Anusua
15.	A. phani bhaskar	A. Phani B	A. Phani B	A. Phani B	A. Phani B	A. Phani B
16.	V.V.N sarat	V.V.N sarat	V.V.N sarat	V.V.N sarat	V.V.N sarat	V.V.N sarat
17.	N. Raghurees	N. Raghurees	N. Raghurees	N. Raghurees	N. Raghurees	N. Raghurees
18.	K. L. N. Murthy	K. L. N. Murthy	K. L. N. Murthy	K. L. N. Murthy	K. L. N. Murthy	K. L. N. Murthy


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DEPARTMENT OF ME & CIVIL ENGINEERING


5 DAYS Faculty Development Program
On


Challenges and Opportunities in Collection, Storage and
Utilization of Solar Thermal Energy

ATTENDANCE SHEET

S.NO	NAME OF THE FACULTY	07/01/2019	08/01/2019	09/01/2019	10/01/2019	11/01/2019
19.	G.V. Narasimha Rao	G.V. Nar	G.V. Nar	G.V. Nar	G.V. Nar	G.V. Nar
20.	K. Divya teja	K. Divya	K. Divya	K. Divya	K. Divya	K. Divya
21.	P. M. Deepthi	P.M. Deepthi	P.M. Deepthi	P.M. Deepthi	P.M. Deepthi	P.M. Deepthi
22.	P. Rajitha	P. Rajitha	P. Rajitha	P. Rajitha	P. Rajitha	P. Rajitha
23.	M. Srinivas	M. Srinivas	M. Srinivas	M. Srinivas	M. Srinivas	M. Srinivas
24.	P. Vipin Raj	P. Vipin Raj	P. Vipin Raj	P. Vipin Raj	P. Vipin Raj	P. Vipin Raj
25.	T. Mani babu	T. Mani Babu	T. Mani Babu	T. Mani Babu	T. Mani Babu	T. Mani Babu
26.	S. Rajesh Kumar	S. Rajesh Kumar	S. Rajesh Kumar	S. Rajesh Kumar	S. Rajesh Kumar	S. Rajesh Kumar
27.	P. Priyanka	P. Priyanka	P. Priyanka	P. Priyanka	P. Priyanka	P. Priyanka
28.	K.D. Nagathushanam	K.D. Nag	K.D. Nag	K.D. Nag	K.D. Nag	K.D. Nag
29.	P. Satish Kumar	P. Satish	P. Satish	P. Satish	P. Satish	P. Satish
30.	K. Rajendra Prasad	K. Rajendra	K. Rajendra	K. Rajendra	K. Rajendra	K. Rajendra
31.	G. Naga Tejaswari	G. Naga	G. Naga	G. Naga	G. Naga	G. Naga
32.	A.V. Sudhar	A.V.	A.V.	A.V.	A.V.	A.V.
33.	K. Sri Laxmi	K. Sri Laxmi	K. Sri Laxmi	K. Sri Laxmi	K. Sri Laxmi	K. Sri Laxmi
34.	V. Dhara Shekhar	V. Dhara	V. Dhara	V. Dhara	V. Dhara	V. Dhara
35.	B. Chandra Mohan	B. C. Mohan	B. C. Mohan	B. C. Mohan	B. C. Mohan	B. C. Mohan


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DEPARTMENT OF ME & CIVIL ENGINEERING

5 DAYS Faculty Development Program

On

Challenges and Opportunities in Collection, Storage and Utilization of Solar Thermal Energy

OBJECTIVES

The main objective of the FDP is to plan and help in imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training in Various emerging areas.

Solar energy is a safe alternative energy which can replace current fossil fuels like coal and gas for generation of electricity that produce air, water, and land pollution. Use of solar energy will eliminate these unsafe, unclean consequences from using conventional fossil fuels.

But there are many challenges to use the solar thermal energy such as dilute, non-uniformity, costly, awareness etc. In spite of many promising benefits of solar energy, there is a need to overcome these difficulties before the development of the technologies.

The solar thermal energy collectors are very low efficient due to heavy heat transfer losses. There is a challenge to improve the current status by new techniques and devices. There are wide applications of solar thermal engineering i.e. power generation, desalination, process heating, cooling, cogeneration, tri-generation, poly-generation etc. Developing a suitable energy conversion configurations/products meet the human needs at domestic, industrial and commercial levels.


The FDP covers the basics of solar energy, nomenclature, solar geometry, solar radiation, estimation, measurement, flat plate collectors, solar water heaters, solar air heaters, novel solar thermal collectors, tracking improvements, thermal conversion applications viz. power generation, desalination, solar assisted hybrid plants, cogeneration, multi-utility product


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Challenges and Opportunities in Collection, Storage and Utilization of Solar Thermal Energy

Venue: C.V Raman Block Seminar Hall

Date: 12 / 01 / 19

"Summary Report"

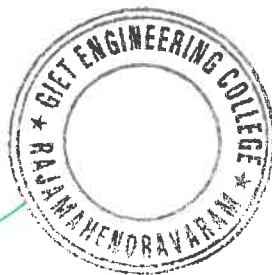
Description:

The 5-day FDP programme on " Challenges and Opportunities in Collection, Storage and Utilization of Solar Thermal Energy " was conducted for the academic staff of several colleges, including GIET Engineering College, and will run from 07-01-2019 to 11-01-2019. The FDP's resource person was Dr.D.Ravi kishore Head of the Department and Chairman-BoS, GIET(A). Faculty members have gained in-depth knowledge of upcoming demands in many research fields, criteria to be taken into account when publishing papers in reputable journals, and various cutting-edge teaching techniques.

Programme Outcomes :

- Apply the solar geometry and solar radiation to evaluate the solar thermal technologies.
- Study on solar energy storage such as sensible heat storage, latent heat storage, thermo-chemical heat storage.
- Design the solar thermal collectors suitable to the application such as power generation, desalination, air conditioning, drying etc.

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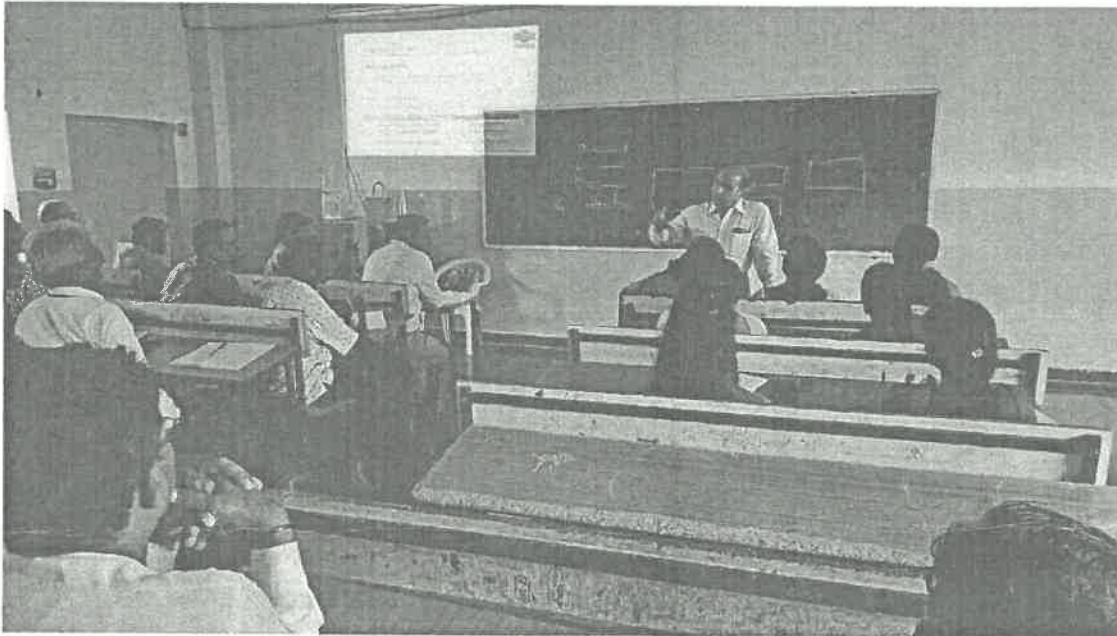
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5 DAYS Faculty Development Program

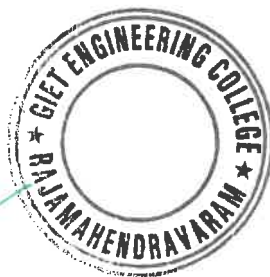
On

Challenges and Opportunities in Collection, Storage and Utilization of Solar Thermal Energy



Resource person demonstrating about **Challenges and Opportunities in Collection, Storage and Utilization of Solar Thermal Energy**

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Certificate of Appreciation

This is to certify that Mr/Ms/Dr. k. Devya Teja has participated A 5-Day Faculty Development Program on "Challenges and Opportunities in Collection, Storage and Utilization of Solar Thermal Energy" held from 7th - 11th January 2019, organized by Civil Engineering Department & Mechanical Engineering Department, GIET Engineering College .


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