

## SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY AMARAVATHIPUTHUR, KARAIKUDI – 630 301

### Department of Electrical and Electronics Engineering

### SEMINAR LIST

Sl.No	Name of the course	Source Person	No of Students Participated	Duration
1,	HVDC Transmission	Mr.T.Balamurugan MBA., M.Tech., Ph.D* Principal Vivekananda Polytechnic College	37	08.08.2017
2.	Renewable Energy sources	Mrs.P.Sheeba HoD, Vivekananda Polytechnic College	36	20.07.2018
3.	Role Of Power Electronics In Renewable Energy Systems And Electric Vethicle	Mr.N.Navakodi B.E., Asst Manager (Electrical) Ponni Sugars, Pallipalayam, Erode	36	18.09.2019
4.	Intelectual Property Rights	Mr .Sugumar M.E., Software Developer, Macro Technology Solutions (P) Ltd,	28	22-10-2021

Seminar named "HVDC TRANSMISSION" is conducted on 08.08.2017. The source person of this topic is Mr. T. Balamurugan M.E., Principal, Vivekananda Polytechnic College. There are 37 students participated in this program.

Seminar named "RENEWABLE ENERGY SOURCES" is conducted on 20.07.2018. The source person of this topic is Mrs.P.Sheeba M.E., HoD, Vivekananda Polytechnic College. There are 36 students participated in this program.

Seminar named "ROLE OF POWER ELECTRONICS IN RENEWABLE ENERGY SYSTEMS AND ELECTRIC VECHICLE" is conducted on 18.09.2019. The source person of this topic is Mr.N.Navakodi B.E., Assistant Manager from Ponni Sugars. There are 36 students participated in this program.

Seminar named "INTELECTUAL PROPERTY RIGHTS" is conducted on 22-10-2021. The source person of this topic is Mr.N.Navakodi B.E., Assistant Manager from Ponni Sugars. There are 28 students participated in this program.





# SRI RAAJA RAAJAN COLLEGE OF ENGINEERING&TECHNOLOGY

(Approved by AICTE & Affiliated to Anna University)

Amaravathipudur, Karaikudi - 630 301

CORDIALLY INVITES YOU

ONE DAY SEMINAR

## **HVDC TRANSMISSION**

Organized by
DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING
Venue: Seminar hall

Date on: 8-8-2017

RESOURCE PERSON
Mr.T.BALAMURUGAN MBA.M.TECH.PHD\*

PRINCIPAL VIVEKANANDA POLYTECHNIC COLLEGE

PATRON
Dr.A.KUMARAVADIVEL,
PRINCIPAL,
SRI RAAJA RAAJAN COLLEGE
OF ENGINEERING & TECHNOLOGY.

CONVENER
Mrs.N.RAJESWARI
HEAD, DEPT. OF EEE

COORDINATOR Mrs. VALLIKANNU, AP/EEE

### SPONSORSHIP CERTIFICATE

]Dr./Mr./Ms	
working in our Institute as	
is sponsored to attend the Workshop a	and will be
relived, if selected	

Signature of the Sponsoring Authority

Date:

Place:

Seal:

**MAILING ADDRESS:** 

Mrs.N. RAJESWARI

Head, Dept. of EEE SRI RAAJA RAAJAN COLLEGE OF ENGINEERING& TECHNOLOGY, AMARAVATHIPUDUR (PO), KARAIKUDI - 630301. TAMIL NADU. INDIA.

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Dr..S.SUBBIAH

Advisor, SriMuthumari Educational Trust

**PATRON** 

Dr.KUMARAVADIVEL
Principal,
SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING & TECHNOLOGY

### **CONVENER**

Mrs.N.RAJESWARI Head, Dept. of EEE

### **COORDINATOR**

Mrs.VALLIKANNU, AP/EEE

### REGISTRATION

Students(UG/PG): Rs.150 /-

Faculty: Rs.300/-

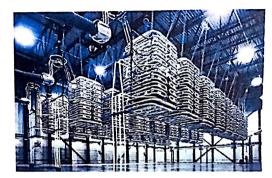
Research Scholars: Rs.500/-

Last Date for Registration:

Intimation of selection:

# ONE DAY SEMINAR On HVDC TRANSMISSION

Dated on 8-8-2017





Organized by

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SRI RAAJA RAAJAN COLLEGE OF ENGINEERING&TECHNOLOGY

(Approved by AICTE & Affiliated to Anna University)
Amaravathipudur, Karaikudi- 630 301.

Phone: 7373711343 Email: srrcet2010@gmail.com Website: www.sriraajaraajan.org

### **ABOUT INSTITUTION**

SRI RAAJA RAAJAN COLLEGE OF ENGINEERING & TECHNOLOGY is a technical institution promoted by Sri Muthumari Educational Trust, established in the year 2010. The college is approved by All India Council of Technical Education (AICTE), New Delhi and is affiliated to Anna University, Chennai.

### THE DEPARTMENT

The Department of Electrical & Electronics Engineering was established in the year 2010 and offers four year degree course leading to Bachelor degree in Electrical & Electronics Engineering affiliated to Anna University, chennai.

The Department aims at producing well qualified En gineers for the nation and also across the globe. The department is continuously updating its facilities to make the students excel in all respects in the area of electrical engineering.

### **VISION**

HVDC technology is highly controllable, but also sensitive to faults and degraded modes. Achieving an efficient and robust AC/DC transmission system requires to develop a vision of HVDC role and functionalities in different situations.

### MISSION

To development of transmission systems closely follows the growing demand on electrical energy

### BOUT THE COURSE

A high voltage direct current electric power transmission system uses direct current for electric power transmission, in contrast with the more common alternating current transmission systems.

### **COURSE CONTENT**

- Introduction
- Types of HVDC schemes
- Principle Arrangement of an HVDC Transmission
- Surge Arrester
- High Speed DC Switches
- Control & Protection

### **RESOURCE PERSON**

Mr.T.BALAMURUGAN MBA.M.TECH.PHD\*

PRINCIPAL

VIVEKANANDA POLYTECHNIC COLLEGE

### **OUTCOMES**

- Learn the basic concepts of EHV AC and HVDC transmission.
- To identify the electrical requirements for HVDC lines.
- To identify the components used in AC to DC conversion.
- To understand the operation of HVDC conversion technology.
- To understand the fundamental requirements of HVDC transmission line design

### **REGISTRATION FORM**

# ONE DAY SEMINAR On HVDC TRANSMISSION

Dated on 8-8-2017

Name	· 1	
Designation	:	
Institution	:	
Male/Female	: · · · · · · · · · · · · · · · · · · ·	
Educational Qualif	ications:	
Experience	:	
Mailing Address	: -	

Phone :
Fax :
Email :

Accommodation required: Yes/ No

Details of Registration fee

DD No. :
Dated :
Drawn on :

Signature of Applicant



# DEPARTMENT OF ELECTRICAL AND ELECTRONICS SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY

AMARAVATHIPUDUR, KARAIKUDI- 630 301
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Institution

### Activity - Report (2017)

Name of Activity

: SEMINAR

Title of the Lecture

: HVDC TRANSMISSION

Name of the Resource Person

: Mr. T.BALAMURUGAN MBA., M.Tech., Ph.D\*

**Designation and Address** 

: principal, Vivekananda polytechnic college

Date

: 8-8-2017

**Target Audience** 

: II year EEE students

Number of Students/staff

: 37/3

Venue

: Seminar Hall

Summary of the Lecture : T. Balamurugan gave a Lecture on HVDC transmission

system is a Rapid developments in the field of power electronic devices with turn off capability like insulated gate bipolar transistors (IGBT) and gate turn off transistors (GTO), makes the voltage source converters (VSC) getting more and more attractive for High voltage direct current transmission (HVDC).

This new innovative technology provides substantial technical and economical advantages for direct applications compared to conventional HVDC transmission systems based on thyristor technology. VSC Application for HVDC systems of high power rating (up to 200MW) which are currently in discussion for several projects are mentioned. The underlying technology of VSC based HVDC systems, its Characteristics and the working principle of VSC based HVDC system are also presented. This paper concludes with a brief set of guidelines for choosing VSC based HVDC systems in today's electricity system development.

The control of both active and reactive power is bi-directional and continuous across the operating range. For active power balance, one of the converters operates on dc voltage control and other converter on active power control. When dc line power is zero, the two converters can function as independent STATCOMs. Each VSC has a minimum of three controllers for regulating active and reactive power outputs of individual VSC.



Sri Raaja Raajan College of Engg. & Tech Amaravathipudur, Karaikudi - 630 301 Siyagangai Dist. Tamil Nadu

S.NO	REGISTER NUMBER	NAME	YEAR	DEPARTMENT	SIGNATURE
01	912516105001	M.ANITHA	II	EEE	M. Ahil
02	912516105003	S.BHUVANESHWARI	II	EEE	Rholand
03	912516105004	P.JASNINE ROSIYA	II	EEE	Jamine R
04	912516105005	R.JEGAN	II	EEE	R. Jega
05	912516105007	M.LINGARAJAN	II .	EEE	M. Maning
06	912516105008	M.MANIMEGALAI	II	EEE	Maninega
07	912516105009	T.NITHYAPRIYA	II	EEE	Druge
80	912516105010	R.PARAMAGURU	II	EEE	Paramyla
09	912516105011	S.RAJESHKUMAR	II	EEE	P.J.
10	912516105012	B.RAJESHWARI	II	EEE	Rajemuan
11	912516105013	P.RITCH	II	EEE	River
12	912516105014	S.P.SWATHI	II	EEE	Laufin
13	912516105015	S.THARANI	II	EEE	S. Thereau
4	912516105016	V.VARSHA	II	EEE	I Varshe
5	912516105301	P.ANITHA	II	EEE	P. Aux
6	912516105302	E.DINESHSAMY	II	EEE	Dineshow
7	912516105303	P.R.MANIKANDAN	II	EEE	Marins.
8	912516105304	H.MOHAMED JARAF	II	EEE	Jaret.
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PRINCIPAL

Sri Raaja Raajan College of Engg. & Tech.,
Amaravathipudur, Karaikudi - 630 301

Sivagangai Dist. Tamil Nadu

## SRI RAAJA RAAJANCOLLEGE OF ENGINEERING AND TECHNOLOGY



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# Certificate of Participation

This is to certify that P. RITCH	Of
SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY	has
Participate in SEMINAR ON HVDC TRANSMISSION he	
<u> ೧೯ - ೧೯ . ೨೦۱7 to</u> , Organized by Department of	
ELECTRICAL AND ELECTRONICS ENGINEERING	

HOD HOD

PRINCIPAL

**Principal** 

Sri Raaja Raajan College of Engg. & Tech., Amaravathipudur, Karaikudi - 630 301 Siyagangai Dist. Tamil Nadu

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# Certificate of Participation

This is to certify that S. SATHISH	Of
SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY	has
Participate in SEMINAR ON HVDC TRANSMISSION h	
08-08-2017 to, Organized by Department of	
ELECTRICAL AND ELECTRONICS ENGINEERING	

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**Principal** 

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## SRI RAAJA RAAJANCOLLEGE OF ENGINEERING AND TECHNOLOGY



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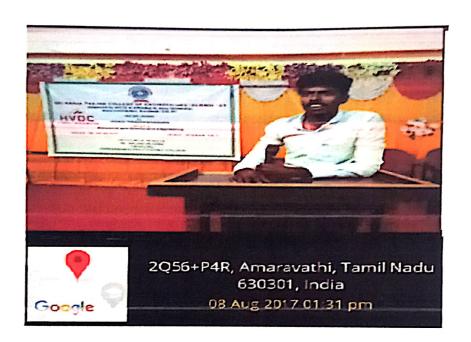
This is to certify that A. SIVAKUMAR.	Of
SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOG	Y has
Participate in SEMINAR ON HVDC TRANSMISSION	held on
08.08.2017 to, Organized by Department of	
ELECTRICAL AND ELECTRONICS ENGINEERING	

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PRINCIPAL

Sri Raaja Raajan College of Engg. & Tech., Amaravathipudur, Karaikudi - 630 301 Sivagangai Dist. Tamil Nadu

**Principal** 



ONE DAY SEMINAR ON HVDC TRANSMISSION ORGANIZED ON 08 August 2017



Sri Raaja Raajan College of Engg. & Tech Amaravathipudur, Karaikudi - 630 301 Siyagangai Dist. Tamil Nadu



# SRI RAAJA RAAJAN COLLEGE OF ENGINEERING&TECHNOLOGY

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Amaravathipudur, Karaikudi - 630 301

CORDIALLY INVITES YOU
FOR
ONE DAY SEMINAR
ON

## RENEWABLE ENERGY SOURCES

Organized by

DEPARTMENT OF

ELECTRICAL AND ELECTRONICS ENGINEERING

20TH JULY ,2018 VENUE:SEMINAR HALL

**RESOURCE PERSON** 

MRS.SHEEBA.P HOD/ EEE VIVEKANANDA POLYTECHNIC COLLEGE

PATRON Dr.X.HYACINTH SUGANTHI

> Principal, , SRRCET

CONVENER
MRS.RAJESWARI.
Head, Dept. of EEE
SRRCET

COORDINATOR MR.MANICKA PANDIYAN, APÆEE

### SPONSORSHIP CERTIFICATE

Dr./Mr./Ms.\_\_\_\_\_\_
working in our Institute as\_\_\_\_\_\_
is sponsored to attend the Workshop and will be relived, if selected

Signature of the Sponsoring Authority

Date:

Place:

Seal:

### **MAILING ADDRESS:**

### Mrs.N.RAJESWARI

Head, Dept. of EEE
SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING& TECHNOLOGY,
AMARAVATHIPUDUR (PO),
KARAIKUDI - 630301.
TAMIL NADU. INDIA.

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Mobile:7373711316

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#### CHIEF PATRONS

Er.PERIYASAMY,

Chairman, Sri Muthumari Educational Trust.

Dr.S.SUBBIAH

Advisor, SriMuthumari Educational Trust

### **PATRON**

Dr.X.HYACINTH SUGANTHI M.E,PHD Principal,

SRI RAAJA RAAJAN COLLEGEOF ENGINEERING & TECHNOLOGY

#### CONVENER

Mrs. N.RAJESWARI Head, Dept. of EEE

#### COORDINATOR

Mr.MANICKA PANDIYAN, AP/EEE

### REGISTRATION

Students(UG/PG): Rs.150 /-

Faculty: Rs.300/-

Research Scholars: Rs.500/-

Last Date for Registration:

Intimation of selection:

# ONE DAY SEMINAR On RENEWABLE ENERGY SOURCES

Dated on 20-7-2018





Organized by

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### SRI RAAJA RAAJAN COLLEGE OF ENGINEERING&TECHNOLOGY

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Amaravathipudur, Karaikudi- 630 301.

Phone: 7373711343 Email: srrcet2010@gmail.com Website: www.sriraajaraajan.org

### ABOUT SRRCET

SRI RAAJA RAAJAN COLLEGE OF ENGINEERING & TECHNOLOGY is a technical institution promoted by Sri Muthumari Educational Trust, established in the year 2010. The college is approved by All India Council of Technical Education (AICTE), New Delhi and is affiliated to Anna University, Chennai.

### THE DEPARTMENT

The Department of Electrical & Electronics Engineering was established in the year 2010 and offers four year degree course leading to Bachelor degree in Electrical & Electronics Engineering affiliated to Anna University, chennai.

The Department aims at producing well qualified Engineers for the nation and also across the globe. The department is continuously updating its facilities to make the students excel in all respects in the area of electrical engineering.

### VISION

To create awareness about the uses of solar, wind, biogas and biomass based various technologies among the public .To promote the installation of power plants based on renewable energy sources for Energy Security.To promote theenergy conservation measures for efficient use of energy resource.

### **MISSION**

To promote the energy conservation measures for efficient use of energy resource.

#### COURSE CONTENT

- Introduction.
- Energy Scenario & Energy Forms.
- Energy conversion, thermal systems.
- Waste to Energy.
- Alternate Energy Technologies.
- Wind Energy Technology.

### **RESOURCE PERSON**

Mrs.P.SHEEBA M.E
HOD/ EEE
VIVEKANANDA POLYTECHNIC COLLEGE

### **OUTCOMES**

- To understand the need of energy conversion and the various
- methods of energy storage.
- To identify Winds energy as alternate form of energy and to know
- how it can be tapped.
- To understand the Geothermal & mp; Tidal energy, its mechanism of
- production and its applications.
- To identify the sources of commercial energy.

### REGISTRATION FORM

## ONE DAY SEMINAR On RENEWABLE ENERGY SOURCES

Dated on 20-7-2018

Name	
Name	•

Designation :

Institution :

Male/Female :

**Educational Qualifications:** 

Experience :

Mailing Address :

Phone :

Fax :

Email :

Accommodation required: Yes/No

Details of Registration fee

DD No. :

Dated :

Drawn on

Signature of Applicant



# DEPARTMENT OF ELECTRICAL AND ELECTRONICS SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY

AMARAVATHIPUDUR, KARAIKUDI- 630 301
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### Activity - Report (2018)

Name of Activity

: SEMINAR

Title of the Lecture

: RENEWABLE ENERGY SOURCES

Name of the Resource Person

: Mrs. P.SHEEBA M.E.,

**Designation and Address** 

: HOD/ EEE, Vivekananda Polytechnic College

Date

: 20-7-2018

**Target Audience** 

: II year EEE students

Number of Students/staff

: 36 /5

Venue

: Seminar Hall

Summary of the Lecture : P. Sheeba gave a Lecture on renewable energy sources is one of the major inputs for the economic development of the country. Any sustainable energy source that comes from the natural environment is a renewable energy source. Renewable energy is inexhaustible and a clean alternative to fossil fuels. In this article, we will learn about the types and sources of renewable energy.

Renewable energy is energy that is produced from natural processes and continuously replenished. A few examples of renewable energy are sunlight, water, wind, tides, geothermal heat, and biomass. The energy that is provided by renewable energy resources is used in 5 important areas such as air and water cooling/heating, electricity generation, the rural sector, and transportation. We can define renewable energy as those energies which can never be depleted. The importance of renewable energy is invaluable. These types of energy sources are different from fossil fuels, such as oil, coal, and natural gas.

The sources of renewable energy are known to be less polluting and therefore the whole world is looking forward to new carbon emission norms, where carbon will play a major role in developing new factories and industries. They will be rated according to the carbon emission and the products that they are producing will be rated accordingly.

KARAIKUDI GO

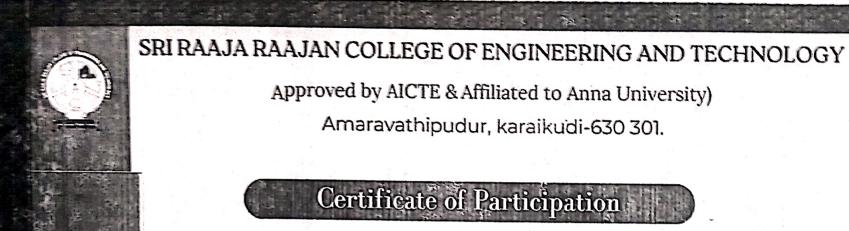
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S.NO	REGISTER NUMBER	NAME	YEAR	DEPARTMENT	SIGNATURE
91	912517105002	Alagunila.V	II	EEE	V. Abequile
02	912517105003	Anitha.M	II	EEE	M. Anitu
03	912517105004	Aravind	II	EEE	Aruvin al.
04	912517105005	Archanadevi.A	II	EEE	A. Archadu
05	912517105006	Arunkumar.K	II	EEE	K. Je ha
06	912517105007	Balaraman.S	II	EEE	3. Roulina
07	912517105008	Deepika.R	II	EEE	R. Deerje
08	912517105009	Gowsalya.R	II	EEE	R. Lucusals
09	912517105010	Janani.P	II	EEE .	P. Janace
10	912517105011	Jasmin Lithya.A	II	EEE	A Famir Litty
11	912517105012	Jothika.D	II	EEE	D. Jo Tulen
12	912517105013	Manoj.T	II	EEE	J. Manof
13	912517105014	Mariyaselsia.k	II	EEE	K, Manyare
14	912517105015	Mukiladevi.M	II	EEE	M. Muneswave
15	912517105016	Muneeswaran.M	II	EEE	M. mus
16	912517105017	Narmathasri.K	II	EEE	K. Namathas
17	912517105018	Pamdiselvi	II	EEE	Pandirely
18	912517105019	Parthasarathi.P	II	EEE	P. Parthorat
19	912517105022	Raja.R	II	EEE	R. Konton
20	912517105023	Saranya.L	II	EEE	K. Saranja
21	912517105024	Saranya. S	II	EEE	S. Saranja
22	912517105025	SathishKumar.M	II	EEE	M. Sattwiller
23	912517105026	SevuvaPerumal.V	II	EEE	V. Sevuga Pu
24	912517105027	Sivabalan.S	II	EEE	3. Silea
25	912517105028	Srithar.K	II	EEE	t. Sither.
26	912517105029	Subalakshmi.T	II	EEE	T. Subalakih
27	912517105030	Subhalakshmi.V	II	EEE	9's Sudhasia
28	912517105031	Sudharsan.G	II	EEE	7. Sudhuse
29	912517105032	Sushil Prasad Boopathy.M	II	EEE	Suglis Peace
30	912517105033	Thangaraj.S	II	EEE	J. Thinga a
31	912517105034	Thineka.T	II	EEE	T. Thicke
32	912517105036	Vickram k	II	EEE	K. Vicksan
33	912517105301	Pradeepan.S	II	EEE	S Deadle
34	912517105303	Durai kannan.P	II	EEE	Dusai France
35		Ologkamal.M	II	EEE /	M. Rajkame
36	0105171050	Vivek.VS	II	EEE	hilash

PRINCIPAL

Sri Raaja Raajan College of Engg. & Tech.,
Amaravathipudur, Karaikudi - 630 301

Sivagangai Dist. Tamil Nadu

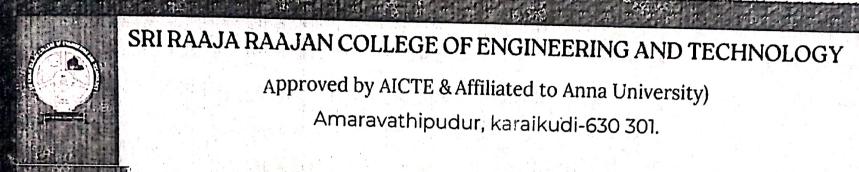


**ELECTRICAL AND ELECTRONICS ENGINEERING** 

*'* 

HOD

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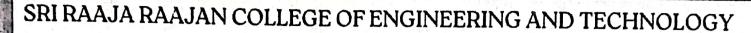
## Certificate of Participation

held on <u>೩೦ . ೧೯ . 2018</u> to\_\_\_\_\_\_, Organized by Department of

**ELECTRICAL AND ELECTRONICS ENGINEERING** 

HOD

Sri Raaja Raajan College of Engg. & Tech., Amaravathipudur, Karaikudi - 630 301 Sivagangai Dist. jamil Nadu



Approved by AICTE & Affiliated to Anna University)
Amaravathipudur, karaikudi-630 301.

## Certificate of Participation

This is to certify that <u>DURBI KANNAN</u>, POF

SRI RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY has

Participated in <u>Seminar</u> ON RENEWABLE FNERGY JOURCES

held on <u>ನಿಂ. ೧೯. ೩ ೧ k</u>to\_\_\_\_\_\_\_, Organized by Department of

**ELECTRICAL AND ELECTRONICS ENGINEERING** 

PRINCIPAL

gri Raaja Raajan College of Engg. & Tech., Amaravathipudur, Karaikudi - 630 301 Şivagangai Dist. Tamil Nadu

HOD



ONE DAY SEMINAR ON RENEWABLE ENERGY SOURCES ORGANIZED ON 20 JULY 2018.



PRINOPAL
Sri Raaja Raajan College of Engg. & Tech
Amaravathipudur, Karaikudi - 630 301
Sivagangai Dist. Tamil Nadu



# SRI RAAJA RAAJAN COLLEGE OF ENGINEERING&TECHNOLOGY

(Approved by AICTE & Affiliated to Anna University)

Amaravathipudur, Karaikudi - 630 301

CORDIALLY INVITES YOU FOR

ONE DAY SEMINAR

ROLE OF POWER ELECTRONICS IN RENEWABLE ENERGY SYSTEMS
AND ELECTRIC VE HICLE

Organized by

DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING

DATE ON :18-9-2019 VENUE:SEMINAR HALL

**RESOURCE PERSON** 

MR.N.NAVAKODI

ASST MANAGER (ELECTRICAL)
PONNI SUGARS, PALLIPALAYAM, ERODE

PATRON
Dr .X.HYACINTH SUGANTHI
Principal,
SRRCET

CONVENER MRS.RAJESWARI. Head, Dept. of EEE SRRCET

COORDINATOR MR.MANICKA PANDIYAN, APÆEE

## SPONSORSHIP CERTIFICATE Dr./Mr./Ms. working in our Institute as\_\_\_\_\_ is sponsored to attend the Workshop and will be relived, if selected Signature of the **Sponsoring Authority** Date: Place: Seal: MAILING ADDRESS:

### Mrs.N.RAJESWARI

Head, Dept. of EEE
SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING& TECHNOLOGY,
AMARAVATHIPUDUR (PO),
KARAIKUDI - 630301.
TAMIL NADU. INDIA.

Mail-ID: eeesrrcet@gmail.com

Mobile:7373711316

## STEERING COMMITTEE CHIEF PATRONS

Er.PERIYASAMY,

Chairman, Sri Muthumari Educational Trust.

Dr.S.SUBBIAH

Advisor, Sri Muthumari Educational Trust

### **PATRON**

Dr.AL.MAYILVAHANAN,M.E,PHD
Principal,
SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING & TECHNOLOGY.

#### **CONVENER**

Mrs.N.RAJESWARI Head, Dept. of EEE

### **COORDINATOR**

Ms.R.RAJESWARI, AP/EEE

### REGISTRATION

Students(UG/PG): Rs.150 /-

Faculty: Rs.300/-

Research Scholars: Rs.500/-

Last Date for Registration:

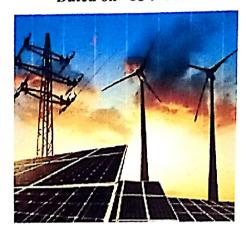
Intimation of selection:

## ONE DAY SEMINAR On

ROLE OF POWER ELECTRONICS IN

RENEWABLE ENERGY SYSTEMS AND ELECTRIC VE HICLE

Dated on 18-9-2019





Organized by

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SRI RAAJA RAAJAN COLLEGE OF ENGINEERING&TECHNOLOGY

(Approved by AICTE & Affiliated to Anna University)
Amaravathipudur, Karaikudi- 630 301.

Phone: 7373711343 Email: srrcet2010@gmail.com Website: www.sriraajaraajan.org

### AROUT INSTITUTION

SRI RAAJA RAAJAN COLLEGE OF ENGINEERING & TECHNOLOGY is a technical institution promoted by Sri Muthumari Educational Trust, established in the year 2010. The college is approved by All India Council of Technical Education (AICTE), New Delhi and is affiliated to Anna University, Chennai.

### THE DEPARTMENT

The Department of Electrical & Electronics Engineering was established in the year 2010 and offers four year degree course leading to Bachelor degree in Electrical & Electronics Engineering affiliated to Anna University, chennai.

The Department aims at producing well qualified Engineers for the nation and also across the globe. The department is continuously updating its facilities to make the students excel in all respects in the area of electrical engineering.

### VISION

To promote the policies and programmers necessary for popularizing the applications of various new and renewable energy technologies in the State.

To create awareness about the uses of solar, wind, biogas and biomass based various technologies among the public

### MISSION

The primary objective for deploying renewable energy in india is to advance economicdevelopment, improve energy security, improve access to energy, and mitigate climate change.

### BOUT THE COURSE

One is to change the electrical power production Sources from the conventional, fosil based energy sources to renewable energy resources. An other is to use high efficient power electronics in power generation, power transmission/distribution and end-user application.

### **COURSE CONTENT**

- Introduction
- Renewable energy system
- Semiconductor physics
- Renewable energy system using inverters
- Analysis of wind and PV systems.
- Hybrid renewable energy systems.

### **RESOURCE PERSON**

Mr.N.NAVAKODI B.E
ASST MANAGER (ELECTRICAL)
PONNI SUGARS,PALLIPALAYAM,ERODE
OUTCOMES

- Recall the environmental aspects and economic benefits of clean energy systems for production of electricity.
- Understand the power quality issues.
- Analysis the control and protection of hybrid renewable energy system.
- Summarize the renewable energy system.

### REGISTRATION FORM

ONE DAY SEMINAR
On
ROLE OF POWER ELECTRONICS IN
RENEWABLE ENERGY SYSTEMS AND
ELECTRIC VECHICLE

Dated on 18-9-2019

Designation	:
nstitution	:
Male/Female	:
Educational Quali:	fications:
Experience	:
Mailing Address	:
Phone	:
Fax	:
Email	:
Accommodation r	equired: Yes/No
Details of Registra	ation fee
DD No.	:

Name

Dated

Drawn on

Signature of Applicant



# DEPARTMENT OF ELECTRICAL AND ELECTRONICS SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY

AMARAVATHIPUDUR, KARAIKUDI- 630 301

Approved by AICTE, An ISO 9001:2008 Certified Institution

### Activity - Report (2019)

Name of Activity

: SEMINAR

Title of the Lecture

: ROLE OF POWER ELECTRONICS IN RENEWABLE ENERGY SYSTEMS AND

ELECTRIC VE HICLE

Name of the Resource Person

: Mr.N.NAVAKODI

**Designation and Address** 

: ASST MANAGER (ELECTRICAL), PONNI SUGARS, PALLIPALAYAM, ERODE

Date

: 18-9-2019

Target Audience

: III year EEE students

Number of Students/staff

: 36 / 5

Venue

: Seminar Hall

Summary of the Lecture : N.Navakodi Gave a Lecture on Power electronics (PE) is an application oriented and interdisciplinary area. It uses power semiconductor devices to perform switching action in order to achieve a desired conversion strategy. The PE plays crucial role of conversion and control electrical power. Therefore, PE based power converters are also widely used in renewable energy systems. This deals only with the wind and solar-PV systems as they are the most promising renewable energy sources for generation of electricity. Therefore, sustainable growth of wind and solar-PV powered electricity generation is expected in the years to come. The role of PE in the research and development of renewable energy systems.

Power electronics technologies have been widely used in renewable energy systems. These energy resources require certain type of power electronic technology to make them in useful formats either through "rotational" or "stationary" power conversions. Most renewable energy resources tend to be geographical dependent and clustered in certain areas due to availability of natural resources. This article shows the different types of energy resources and the application of power electronics in different energy resources.

Power Electronics for Renewable Energy, Transportation, and Industrial Applications combines state-of-the- art global expertise to present the latest research on power electronics and its application in transportation, renewable energy, and different industrial applications. This timely book aims to facilitate the implementation of cutting-edge techniques to design problems offering innovative solutions to the growing power demands in small- and large-size industries. Application areas in the book range from smart homes and electric and plug-in hybrid electrical vehicles (PHEVs), to smart distribution and intelligence operation

College, where significant energy efficiency improvements can be achieved through the appropriate use and

Sri Raaja Raajan College of Engg. & Tech Amaravathipudur, Karaikudi - 630 301 Sivagangai Dist. Tamil Nadu

S.NO	REGISTER NUMBER	NAME	YEAR	DEPARTMENT	SIGNATURE
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02	912517105003	Anitha.M	III	EEE	M. A. 11
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07	912517105008	Deepika,R	Ш	EEE	R. Dere Pile
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14	912517105015	Mukiladevi.M	III	EEE	K. Man'yare
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PRINCIPAL

Sri Raaja Raajan College of Engg. & Tech.,
Amaravathipudur, Karaikudi - 630 301

Sivagangai Dist. Tamil Nadu



## SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Affiliated to Anna University)
Amaravathipudur, karaikudi-630 301.

## Certificate of Participation

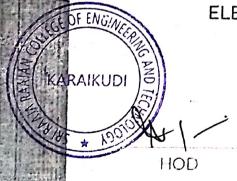
This is to certify that \_\_\_\_\_\_of

SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY has

Participated in SEMINAR ON ROLE OF POWER ELECTRONICS IN
RENEWABLE ENERGY SYSTEM MAD FLECTRIC V

held on 18,09.2019to\_\_\_\_\_, Organized by Department of

**ELECTRICAL AND ELECTRONICS ENGINEERING** 



PRINCIPAL

Sri Raaja Raajan College of Engg. & Tech., Amaravathipudur, Karaikudi - 630 301 Sivagangai Dist. Tamil Nadu

### SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Affiliated to Anna University) Amaravathipudur, karaikudi-630 301.

### Certificate of Participa

SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY has

Participated in SEMINAR ON ROLE OF POWER ELECTRONICS TN RENE ENERGY SYSTEM AND ELECTRIC VE HILLE held on 18.9.2019 to \_\_\_\_\_, Organized by Department of

**ELECTRICAL AND ELECTRONICS ENGINEERING** 

Sri Raaja Raajan College of Engg. & Tech., Amaravathipudur, Karaikudi - 630 301 Sivagangai Dist. Tamil Nadu

PRINCIPAL

HOD

### SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Affiliated to Anna University)
Amaravathipudur, karaikudi-630 301.

### Certificate of Participation

This is to certify that <u>S. SARANYA</u> of

SRI RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY has

Participated in SEMINAR ON ROLE OF POWER ELECTRONICS IN RENEWABLE ENERGY 8457

held on 18.09.2019 to \_\_\_\_\_, Organized by Department of ELECTRIC

**ELECTRICAL AND ELECTRONICS ENGINEERING** 

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KARAIKUDI

PRINCIPAL.
Sri Raaja Raajan College of Engg. & Tech.,
Amaravathipudur, Karaikudi - 630 301
Sivagangai Dist. Tamil Nadu



ONE DAY SEMINAR ON ROLE OF POWER ELECTRONICS IN RENEWABLE ENERGY SYSTEMS AND ELECTRIC VEHICLE ORGANIZED ON 18 SEPTEMBER 2019



Srı Raaja Raajan Collega of Engg. & Tech Amaravathipudur, Karaikudi - 630 301 Sivagangai Dist. Tamil Nadu



# SRI RAAJA RAAJAN COLLEGE OF ENGINEERING&TECHNOLOGY

(Approved by AICTE & Affiliated to Anna University)

Amaravathipudur, Karaikudi - 630 301

### **CORDIALLY INVITES YOU FOR**

ONE DAY SEMINAR

### INTELECTUAL PROPERTY RIGHTS

ORGANIZED BY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING

RESOURCE PERSON.
MR . SUGUMAR ME.,

SOFTWARE DEVELOPER, MACRO TECHNOLOGY SOLUTIONS (P) LTD,

DATED ON: 22-10-2021

VENUE: SEMINAR HALL

PATRON
Dr .AL.MAYILVAHANAN,
PRINCIPAL

CONVENER
MRS.RAJESWARI.N
Head, Dept. of EEE

COORDINATOR MRS.MINARVADEVI, AP/EEE

### SPONSORSHIP CERTIFICATE

Dr./Mr./Ms		
working in our Institute as		
is sponsored to attend the Workshop and will b		
relived, if selected		

Signature of the Sponsoring Authority

Date:

Place:

Seal:

MAILING ADDRESS:

Mrs.N.RAJESWARI

Head, Dept. of EEE
SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING& TECHNOLOGY,
AMARAVATHIPUDUR (PO),
KARAIKUDI - 630301.
TAMIL NADU. INDIA.

Mail-ID: eeesrrcet@gmail.com Mobile:7373711316

### STEERING COMMITTEE

**CHIEF PATRONS** 

Er.PERIYASAMY,

Chairman, Sri Muthumari Educational Trust.

Dr.S.SUBBIAH

Advisor, Sri Muthumari Educational Trust

#### PATRON

Dr.AL.MAYILVAHANAN,M.E,PHD Principal, SRI RAAJA RAAJAN COLLEGE OF ENGINEERING & TECHNOLOGY.

### **CONVENER**

Mrs.N.RAJESWARI Head Dept. of EEE

### **COORDINATOR**

Mrs.MINARVA DEVI, AP/EEE

### REGISTRATION

Students(UG/PG): Rs.150 /-

Faculty: Rs.300/-

Research Scholars: Rs.500/-

Last Date for Registration:

Intimation of selection:

## ONE DAY SEMINAR On INTELECTUAL PROPERTY RIGHTS

Dated on 22-10-2021





Organized by

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SRI RAAJA RAAJAN COLLEGE OF ENGINEERING&TECHNOLOGY

(Approved by AICTE & Affiliated to Anna University)
Amaravathipudur, Karaikudi- 630 301.

Phone: 7373711343 Email: srrcet2010@gmail.com Website: www.sriraajaraajan.in

### ABOUT INSTITUTION

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### THE DEPARTMENT

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The Department aims at producing well qualified Engineers for the nation and also across the globe. The department is continuously updating its facilities to make the students excel in all respects in the area of electrical engineering.

### VISION

Vision is to create an efficient, fast and modern service that will operate with simplified procedures, supported by modern information technology systems and modern legislative framework that will ultimately create an innovative entrepreneurship.

### MISSION

Mission is to improve the protection of the intellectual property rights by providing to the beneficiaries the maximum information and support and to monitor the register of Trade marks, Patents and Industrial Designs in the Republic of Cyprus.

### BOUT THE COURSE

India has a TRIPS compliant, robust, equitable and dynamic IPR regime.

An all-encompassing IPR Policy will promote a holistic and conducive ecosystem to catalyse the full potential of intellectual property for India's economic growth and socio-cultural development, while protecting public interest.

### COURSE CONTENT

- Introduction
- General principles of IPR, Concept and Theories.
- Criticisms of Intellectual Property Rights,
- International Regime Relating to IPR

### RESOURCE PERSON

Mr .SUGUMAR M.E.,
SOFTWARE DEVELOPER,
MACRO TECHNOLOGY SOLUTIONS (P) LTD

### **OUTCOMES**

- IPR yields exclusive rights to the creators or inventors.
- It encourages individuals to distribute and share information
- data instead of keeping it confidential

### REGISTRATION FORM

# ONE DAY SEMINAR On INTELECTUAL PROPERTY RIGHTS

Dated on 22-10-2021

Taille	,		
Designation	:		
Institution	:		
Male/Female	:		
Educational Qualif	fications:		
Experience	:		
Mailing Address	:		
Phone	:		
Fax	:		
Email	: 1		
Accommodation r	equired: Yes/ No		

Name

Datad

Details of Registration fee

Dated :

DD No.

Drawn on :

Signature of Applican



# DEPARTMENT OF ELECTRICAL AND ELECTRONICS SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY

AMARAVATHIPUDUR, KARAIKUDI- 630 301
Approved by AICTE, An ISO 9001:2008 Certified
Institution

### Activity - Report (2021)

Name of Activity

: SEMINAR

Title of the Lecture

: INTELECTUAL PROPERTY RIGHTS

Name of the Resource Person

: Mr.SUGUMAR

**Designation and Address** 

: SOFTWARE DEVELOPER, MACRO TECHNOLOGY SOLUTIONS (P) LTD

Date

: 22-10-2021

**Target Audience** 

: III & IV year EEE students

Number of Students/staff

: 28 / 5

Venue

: Seminar Hall

Summary of the Lecture : Mr. Sugumar Gave a Lecture on intellectual property rights is any and all rights associated with intangible assets owned by a person or company and protected against use without consent. Intangible assets refer to non-physical property, including right of ownership in intellectual property. To protect the intellectual property rights in the Indian territory, India has defined the formation of constitutional, administrative and jurisdictive outline whether they imply the copyright, patent, trademark, industrial designs, or any other parts of the intellectual property rights.

Intellectual property rights (IPRs) are rights assigned to the creators of intellectual property (individuals or organizations) regarding its exclusive use. Intellectual property rights are in different forms. WTO's TRIPs Agreement classifies intellectual property rights into following groups.

- Copyright and related rights
- Trademarks, including service marks
- Geographical indications
- Industrial designs
- Patents

KARAIKUD

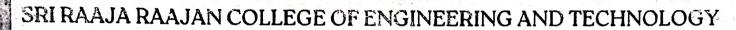
• Layout- designs (topographies) of integrated circuits

Undisclosed information, including trade secrets

Sri Raaja Raajan College of Engg. & Ten Amaravathipudur, Karaikudi - 630 301 Sivaqangai Dist. Tamil Nadu

S.NO	REGISTER NUMBER	NAME	YEAR	DEPARTMENT	SIGNATURE
01	912518105001	AATHIVISHNU.K	IV	EEE	L. AathiV.
02	912518105002	BANU.P	IV	EEE	P. Baul,
03	912518105005	KALISHWARAN.R	IV	EEE	R. Kalish
04			IV	EEE	M. KRARau
	912518105006	KANNAN.M	IV	EEE	Maria Lbir
05	912518105007	MARIA ESEK EBIRON.A	IV	EEE	- Mary
06	912518105008	MURUGAN.K	,	EEE	10
07	912518105012	NAVEEN KUMAR.N	IV		D. Carry
08	912518105013	PABIN.A	IV	EEE	A. Felen
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16.	912518105303	NAGADEVAN.S	IV	EEE	S. Nagare
17	912518105304	SELVAKUMAR.S	IV	EEE	S. Selvakan
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Sri Raaja Raajan College of Engg. & Tech Amaravathipudur, Karaikudi - 630 301 Sivagangai Dist. Tamii Nadu



Approved by AICTE & Affiliated to Anna University)

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### Certificate of Participation

This is to certify that PRADREPAN.S of

SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY has

Participated in SEMINAR ON THTELECTURE, PROPERTY RIGHTS

held on <u>೩೩. ರಾ. 2021</u>to\_\_\_\_\_\_, Organized by Department of

**ELECTRICAL AND ELECTRONICS ENGINEERING** 

HOD

Sri Raaja Raajan College of Engg. & Tech., Amaravathipudur, Karaikudi - 630 301 Sivagangai Dist. Tamil Nadu



## SRI RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY

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Amaravathipudur, karaikudi-630 301.

### Certificate of Participation

held on <u>೨೩. (ರ. 202)</u>to\_\_\_\_\_\_, Organized by Department of

**ELECTRICAL AND ELECTRONICS ENGINEERING** 

HOD

Sri Raaja Raajan/College of Engg. & Tech., Amaravathipudur, Karaikudi - 630 301 Sivagangai Dist. Tamil Nadu



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SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY has
Participated in SEMINAR ON INTELECTUAL PROPERTY RIGHTS

held on <u>ನಿವಿ. (ರ. २०२)</u> to – , Organized by Department of

**ELECTRICAL AND ELECTRONICS ENGINEERING** 

HOD

CARAIKUDI

PRINCIPAL

PRINCIPAL

PRINCIPAL

Sri Raaja Raajan College of Engg. & Tech.,
630 301

Amaravathipudur, Karajkudi 630 301

Amaravathipudur, Karajkudi Nadu

Civagangai Dist. Tarnil Nadu



ONE DAY SEMINAR ON INTELECTUAL PROPERTY RIGHTS ORGANIZED ON 22 OCTOBER 2021



PRINCIPAL

Sri Raaja Raajan College of Engg. & Tech

Amaravathipudur, Karaikudi - 630 301

Sivagangai Dist. Tamil Nadu