



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

Year	Name of teacher who attended the program	Title of the program	Duration (from - to) (DD-MM-YYYY)
2017-18			
	Dr.D.Susitra	Indian patenting and filing procedures	19.8.17
	Dr.D.Susitra	Electric Power System	10.07.2017to 15.07.2017
	Dr.D.Susitra	Quality assurance,accreditations and ranking of engineering institutions:challenges and opportunities	6.10.2017
	D.Susitra	Research Writing	Feb to April 2018
	Dr.R.Vanitha	Research writing	Feb to April 2018
	Dr.Godwin Immanuel	Power system Analysis	July-oct 2017
	Dr.Godwin Immanuel	Power system Analysis	July-oct 2017
	S.Radhika	Analog communication	42917
	Dr.W.Abitha Memala	Waste to Energy Conversion	Feb to April 2018
	W.Abitha Memala	Electrical Machines	July - Oct 2017
	W. Abitha Memala	Electrical Machines - 1	July - Oct 2017

	Rameshbabu A	International Conference on Microelectronics,	3-4 Feb 2018
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		Electromagnetics and Telecommunication (ICMEET)	
	Ramesh babu A	Digital and its transformation	23-09-2017
	Ramesh babu A	Research perspective on solar PV system	27-07-2017to 28-07-2017
	Mr.Ramesh Babu	Power Converters, Control and Grid Integration of Renewable Energy Sources	15-11-2017to 29-11-2017
	Mrs.A.Santhi Mary Antony	Research Writing	Feb to April 2018
	Mrs.D.Ramya	Research Writing	Feb to April 2018
	Mrs.D.Ramya	Control Engineering	July - Oct 2017
	M.Kavitha	Power system Analysis	July-oct 2017
	M.Kavitha	Basic Electrical circuits	July-Sep 2017
	M.Kavitha	Research writing	Feb to April 2018
	M.Kavitha	Power system Engineering	Jan to April 2018
	M.Kavitha	Electric Power System	10.07.2017to 15.07.2017
	M.Kavitha	Power Converters, Control and Grid Integration of Renewable Energy Sources	15-11-2017to 29-11-2017
	M.Kavitha	Fuzzy Logic Controller based Bridgeless Cuk converter for Power Factor Correction	02.02.2018& 03.02.2018

	Barnabas paul glady J	Research perspective on solar PV system	27-07-2017to 28-07-2017
	J BARNABAS PAUL GLADY	Power Converters, Control and Grid Integration of Renewable Energy Sources	15-11-2017to 29-11-2017
	P.Abirami	Solar photovoltaic Off-grid and On-grid: Design & Installation	18.11.2017
	P.Abirami	A Survey on Harmonic Mitigation Technique in Power Systems	2.2.2018 to3.02.2018
	P.Abirami	IOT ON AUTOMATION	20.11.2017to 24.11.2017
	P.Abirami	SIMULATION AND ANALYSIS OF POWER SYSTEM USING MIPOWER	07.09.2017 to08.09.2017
	P.Abirami	Intelligent Electrical Power Grids	27.11.17 to 01.12.17
	P.Abirami	Control engineering	Jul 2017 to oct 2017
	P.Abirami	Design of Photo voltaic system	Jul 2017 to oct 2017
	P.Abirami	Electronics Waste management-Issues and Challenges	Feb to April 2018
	P.sivagami	Electronics Waste management-Issues and Challenges	Feb to April 2018
	P.sivagami	Design of Photo voltaic system	Jul 2017 to oct 2017
	P.Sivagami	Simulation and Analysis of Power System Using MIPower	07.09.2017 to08.09.2017

	P.sivagami	Control engineering	Jul 2017 to oct 2017
	P.Sivagami	Intelligent Electrical Power Grids	27.11.17 to 01.12.17
	M.Pushpavalli	Electronics Waste management-Issues and Challenges	Feb to April 2018
	M.Pushpavalli	Design of Photo voltaic system	Jul 2017 to oct 2017
	M.Pushpavalli	Control engineering	Jul 2017 to oct 2017
	M.Pushpavalli	Maximum Power Tracking For Pv Array System Using Fuzzy Logic Controller	2.2.2018 to 3.02.2018
	M.Pushpavalli	IOT ON AUTOMATION	20.11.2017 to 24.11.2017
	M.Pushpavalli	SIMULATION AND ANALYSIS OF POWER SYSTEM USING MIPOWER	07.09.2017 to 08.09.2017
	M.Pushpavalli	Intelligent Electrical Power Grids	27.11.17 to 01.12.17
	V.Senthil Nayagam	Power Converters, Control and Grid Integration of Renewable Energy Sources	15-11-2017 to 29-11-2017
	C. Bhuvaneswari	Electrical Machines	July-oct 2017
	C. Bhuvaneswari	Waste to Energy Conversion	Feb to March 2018
	C. Bhuvaneswari	IOT on Automation	20.11.2017 & 24.11.2017
	C. Bhuvaneswari	Simulation and Analysis of power System Using Mi Power	07.09.2017 to 08.09.2017

	C. Bhuvaneswari	Recent Trends in Renewable Energy Sources	21.07.2017
	C. Bhuvaneswari	FROM SUBDIVISION TO WAVELETS AND FRACTALS	04.12.17 to 11.12.17
	S. Nirmalraj	Effective engineering teaching in practices	Jan 2018 to March 2018
	S. Jayaprakash	Recent Advances in Mechanical Engineering	1st and 2nd September 2017
	S. Jayaprakash	Protective relays, circuit breakers and switchgear protection	13/11/2017 to 17/11/2017
	V. GEETHA	A 15 LEVEL MULTILEVEL INVERTER WITH REDUCED NUMBER OF SWITCHES	4/5/2020
	M. Kavitha	Power Electronics application to Power Systems	11.08.2017
	M. Kavitha	Simulation and Analysis of Power System Using Mipower	07.09.2017 to 08.09.2017
	P. Abirami	Research Challenges and Innovation on Solar Energy System	04.08.2017
	P. Sivagami	Solar photovoltaic Off-grid and On-grid: Design & Installation	17.11. 2017
	M. Pushpavalli	Solar photovoltaic Off-grid and On-grid: Design & Installation	17.11. 2017



Government of India
Ministry of Commerce & Industry
Department of Industrial Policy & Promotion
Office of the Controller General of Patents, Designs and Trade Marks
Rajiv Gandhi National Institute of Intellectual Property Management, Nagpur

Certificate

This is to certify that Dr. D. Susitra has successfully completed one day Training Programme titled as "Indian Patenting & Filing Procedures" jointly conducted by Rajiv Gandhi National Institute of Intellectual Property Management, Nagpur & Sathyabama University, Chennai held on 19th August, 2017 at Sathyabama University, Chennai.

Date : 19th August, 2017
(RGNIPM/Trg/J2017-18/1797) Dr.M.Sundareswari
IQAC Coordinator
Sathyabama University

Pankaj Borkar
Assistant Controller of Patents & Designs
Head PIS/RGNIPM

Dr.K.V.Narayanan
Vice Chancellor
Sathyabama University



Certificate

This is to certify that

Susitra D

of

Sathyabama University

participated in a Two-week ISTE STTP on

Electric Power System

Conducted by Indian Institute of Technology Kharagpur

from 12th June, 2017 to 15th July, 2017

(Online activity equivalent to one week from 12th June, 2017 to 15th July, 2017 and

physical participation at Remote Center from 10th July to 15th July, 2017)

Grade

Excellent

This workshop was held under the National Mission on Education through ICT (MHRD)

A. Goswami
Prof. A. Goswami
Dean, Continuing Education
IIT Kharagpur

N K Kishore
Prof. N K Kishore
Course Coordinator
IIT Kharagpur

Shanmugasundaram Nithaiyan
Shanmugasundaram Nithaiyan
Workshop Coordinator
VELS University, Chennai



Education Promotion Society for India

CERTIFICATE

THIS CERTIFICATE IS DELIGHTFULLY PRESENTED TO

Dr. D. Susitra

FOR MEANINGFUL AND ENTHUSIASTIC PARTICIPATION IN

The National Conference

**"Quality Assurance, Accreditation & Ranking of Engineering
Institutions: Challenges & Opportunities"**

6th October, 2017 at Chennai.

DR. G. VISWANATHAN
PRESIDENT

DR. H. CHATURVEDI
ALTERNATE PRESIDENT



Elite
NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

D SUSITRA

for successfully completing the course

Research Writing

with a consolidated score of **85 %**

Online Assignments	23/25	Proctored Exam	61.5/75
--------------------	-------	----------------	---------

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Total number of candidates certified in this course: **694**

Feb-Mar 2018
(4 week course)

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur



Indian Institute of Technology Kharagpur





Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

R.VANITHA

for successfully completing the course

Research Writing

with a consolidated score of **87 %**

Online Assignments	25/25	Proctored Exam	61.5/75
--------------------	-------	----------------	---------

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Total number of candidates certified in this course: **694**

Feb-Mar 2018
(4 week course)

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur



Indian Institute of Technology Kharagpur





CERTIFICATE OF APPRECIATION

is awarded to

D.GODWIN IMMANUEL

of

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
CHENNAI, TAMIL NADU

in recognition of his/her role as mentor for the NPTEL Online Certification course

POWER SYSTEM ANALYSIS



Mentees	Mentees Registered	Mentees Present	Score (in %)		Certified Score (in %)		
			<40	40-59	60-89	>=90	Toppers
51	17	15	0	10	5	0	1

PROF. BHASKAR RAMAMURTHI
Chairman, NPTEL PIC
Director, IIT Madras



CERTIFICATE OF APPRECIATION

is awarded to

D.GODWIN IMMANUEL

of

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
CHENNAI, TAMIL NADU

in recognition of his/her role as mentor for the NPTEL Online Certification course

POWER SYSTEM ANALYSIS



NPTEL

Mentees	Mentees Registered	Mentees Present	Score (in %)		Certified (Score in %)		
			<40	40-59	60-89	>=90	Toppers
51	17	15	0	10	5	0	1

PROF. BHASKAR RAMAMURTHI
Chairman, NPTEL PIC
Director, IIT Madras



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

S RADHIKA

for successfully completing the course

Analog Communication

with a consolidated score of **83 %**

Online Assignments	23.25/25	Proctored Exam	60/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **494**

Prof. Anupam Basu
Chairman and Head
Centre for Educational Technology, IIT Kharagpur

Jul-Oct 2017
(12 week course)

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur



Indian Institute of Technology Kharagpur



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

Abitha Memala.W

for successfully completing the course

Waste to Energy Conversion

with a consolidated score of **46 %**

Online Assignments	19.25/25	Proctored Exam	27/75
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Prof. B. K. Gandhi
Coordinator, Continuing Education Center
NPTEL Coordinator, IIT Roorkee

Total number of candidates certified in this course: **312**

Feb-Mar 2018
(8 week course)



Indian Institute of Technology Roorkee





NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
ABITHA MEMALA.W
for successfully completing the course

Electrical Machines - I

with a consolidated score of **49 %**

Online Assignments	12.5/25	Proctored Exam	36.75/75
--------------------	---------	----------------	----------

Total number of candidates certified in this course: **283**

Prof. Anupam Basu
Chairman and Head
Centre for Educational Technology, IIT Kharagpur

Jul-Oct 2017
(12 week course)

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur



Indian Institute of Technology Kharagpur



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
ABITHA MEMALA.W
for successfully completing the course

Electrical Machines - I

with a consolidated score of **49 %**

Online Assignments	12.5/25	Proctored Exam	36.75/75
--------------------	---------	----------------	----------

Total number of candidates certified in this course: **283**

Prof. Anupam Basu
Chairman and Head
Centre for Educational Technology, IIT Kharagpur

Jul-Oct 2017
(12 week course)

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur



Indian Institute of Technology Kharagpur



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

Abitha Memala.W

for successfully completing the course

Waste to Energy Conversion

with a consolidated score of **46 %**

Online Assignments	19.25/25	Proctored Exam	27/75
--------------------	----------	----------------	-------

Prof. B. K. Gandhi
Coordinator, Continuing Education Center
NPTEL Coordinator, IIT Roorkee

Total number of candidates certified in this course: **312**

Feb-Mar 2018
(8 week course)



Indian Institute of Technology Roorkee



Closed Loop Speed Controlled Two Stage PFC Converter Fed PMSM Drive

Mr. Janakiraman
PG scholar
EEE Dept
Sathyabama University
Chennai, India
Mail id:cjraman2002@gmail.com

Mr. Ramesh Babu
Asst Professor
EEE Dept
Sathyabama University
Chennai, India
Mail id:rameshbabuaa@gmail.com

Abstract

This paper presents the closed loop controlled two stage PFC (Power Factor Correction) converter fed PMSM (Permanent Magnet Synchronous Motor) drive. The proposed PFC converters consist of uncontrolled rectifier, PFC converter and DC converter. The π filter is connected at the output of converter to reduce output ripple of DC converter. The performance of the proposed converter is verified by interfacing inverter and PMSM drive. This work deals with comparison of PI & FL controlled two stage PFC converter fed PMSM drive system. The steady state performance parameters like output voltage ripple, speed, power factor, THD are analyzed with PI (Proportional Integrative) and Fuzzy Logic Controller (FLC). The Transient parameters such as rise time, peak time, settling time, and steady state error also compared for both controller. The Closed loop PI & FL controlled two stage PFC converter Fed PMSM drive systems are modeled and simulated.

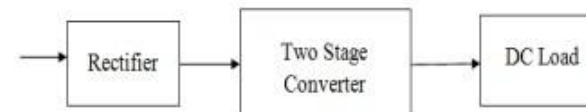
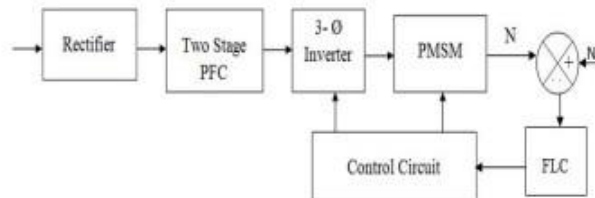


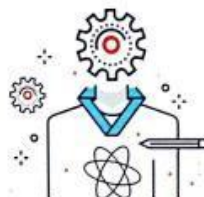
Fig 1.1 Block diagram of Existing system





FDP

FACULTY DEVELOPMENT PROGRAM



CERTIFICATE OF PARTICIPATION

awarded to

Prof. Ramesh Babu . A

for successful completion of Faculty Development Program

on Digital & its Transformation

on 23rd sep 2017 at Chennai



PSG COLLEGE OF TECHNOLOGY
COIMBATORE - 641004



Certificate of Participation

Presented to:

Mr. A. RAMESHBABU

in recognition for participating in the **CSIR Sponsored National Workshop on Research Perspectives on Solar PV System: Design, Simulation and Application** organized by Department of Electrical and Electronics Engineering, Coimbatore during **27-28 July 2017** at PSG College of Technology, Coimbatore.

Dr. L. Ashok Kumar
Organizing Secretary

Dr. M. C. Bhuvaneswari
HoD I/C-EEE

Dr. R. Rudramoorthy
Principal



SSN COLLEGE OF ENGINEERING

Rajiv Gandhi Salai (OMR), Kalavakkam - 603110

Department of Electrical and Electronics Engineering

AICTE Sponsored Two Week Faculty Development Programme on
**Power Converters, Control and Grid
Integration of Renewable Energy Sources**



CERTIFICATE

This is to certify that ~~Dr.~~/Mr./Ms. A. RAMESH BABU of
SATHYABAMA UNIVERSITY, CHENNAI has participated
in the AICTE Sponsored Two Week Faculty Development Programme on Power
Converters, Control and Grid Integration of Renewable Energy Sources during
November 15 - 29, 2017.

V. Kamraj

CONVENER

Dr. V. Kamraj

S. Salivahanan

PRINCIPAL

Dr. S. Salivahanan





Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
A SANTHI MARY ANTONY
for successfully completing the course
Research Writing
with a consolidated score of **61 %**

Online Assignments	23/25	Proctored Exam	37.5/75
--------------------	-------	----------------	---------

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Total number of candidates certified in this course: **694**

Feb-Mar 2018
(4 week course)

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur



Indian Institute of Technology Kharagpur





Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

RAMYAD

for successfully completing the course

Research Writing

with a consolidated score of **82 %**

Online Assignments	23/25	Proctored Exam	58.5/75
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Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Total number of candidates certified in this course: **694**

Feb-Mar 2018
(4 week course)

Prof. Adnrit Goswami
Dean
Continuing Education, IIT Kharagpur



Indian Institute of Technology Kharagpur





NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

RAMYA D

for successfully completing the course

Control Engineering

with a consolidated score of **58 %**

Online Assignments	15.75/25	Proctored Exam	42/75
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Total number of candidates certified in this course: **545**

Prof. A. Ramesh
Chairman
Centre for Continuing Education, IITM

Jul-Oct 2017
(12 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

KAVITHA M

for successfully completing the course

Power System Analysis

with a consolidated score of **89 %**

Online Assignments	23.25/25	Proctored Exam	65.25/75
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Total number of candidates certified in this course: **548**

Prof. Anupam Basu
Chairman and Head
Centre for Educational Technology, IIT Kharagpur

Jul-Oct 2017
(12 week course)

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur



Indian Institute of Technology Kharagpur



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

KAVITHA M

for successfully completing the course

Basic Electrical Circuits

with a consolidated score of **67 %**

Online Assignments	20/25	Proctored Exam	46.5/75
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Total number of candidates certified in this course: **373**

Prof. A. Ramesh
Chairman
Centre for Continuing Education, IITM

Jul-Sep 2017
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

KAVITHA M

for successfully completing the course

Research Writing

with a consolidated score of **79 %**

Online Assignments	23/25	Proctored Exam	55.5/75
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Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Total number of candidates certified in this course: **694**

Feb-Mar 2018
(4 week course)

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur



Indian Institute of Technology Kharagpur





Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

KAVITHA M

for successfully completing the course

Power System Engineering

with a consolidated score of **78 %**

Online Assignments	22.5/25	Proctored Exam	55.5/75
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Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Total number of candidates certified in this course: **647**

Jan-Apr 2018
(12 week course)

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur



Indian Institute of Technology Kharagpur





Certificate

This is to certify that

Kavitha M

of

Sathyabama University

participated in a Two-week ISTE STTP on

Electric Power System

Conducted by Indian Institute of Technology Kharagpur

from 12th June, 2017 to 15th July, 2017

*(Online activity equivalent to one week from 12th June, 2017 to 15th July, 2017 and
physical participation at Remote Center from 16th July to 15th July, 2017)*

Grade	Excellent
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This workshop was held under the National Mission on Education through ICT (MHRD)

A. Goswami
Prof. A. Goswami
Dean, Continuing Education
IIT Kharagpur

Prof. N K Kishore
Prof. N K Kishore
Course Coordinator
IIT Kharagpur

Shanmugasundaram Nithaiyan
Shanmugasundaram Nithaiyan
Workshop Coordinator
VELS University, Chennai



SSN COLLEGE OF ENGINEERING

Rajiv Gandhi Salai (OMR), Kalavakkam - 603110

Department of Electrical and Electronics Engineering

AICTE Sponsored Two Week Faculty Development Programme on

**Power Converters, Control and Grid
Integration of Renewable Energy Sources**



CERTIFICATE

This is to certify that ~~Dr./Mr./Ms.~~ M. KAVITHA of
Sathyabama University, Chennai has participated
in the AICTE Sponsored Two Week Faculty Development Programme on Power
Converters, Control and Grid Integration of Renewable Energy Sources during
November 15 - 29, 2017.

V. K. Kumar
CONVENER
Dr. V. Kumar

S. Salivahan
PRINCIPAL
Dr. S. Salivahanan



Joint International Conference on
Intelligent Computing and Applications (ICICA 2018)
and Power, Circuit and Information Technologies (ICPCIT 2018)

2nd - 3rd February, 2018

Certificate

This is to certify that Dr / Mr./ Ms. M. KAVITHA
has participated / presented a paper entitled FUZZY LOGIC CONTROLLER BASED
BRIDGELESS CUK CONVERTER FOR POWER FACTOR CORRECTION.

in the Joint International Conference on Intelligent Computing and Applications (ICICA) and Power, Circuit and Information Technologies (ICPCIT), organised by Department of Electrical and Electronics Engineering, Velammal Engineering College, Chennai, India


S. Sathish
Organizing Chair


Programme Chair


Principal



PSG COLLEGE OF TECHNOLOGY
COIMBATORE - 641004



Certificate of Participation

Presented to:

Mr. J. BARNABAS PAUL GLADY

in recognition for participating in the **CSIR Sponsored National Workshop on Research Perspectives on Solar PV System: Design, Simulation and Application** organized by Department of Electrical and Electronics Engineering, Coimbatore during **27-28 July 2017** at PSG College of Technology, Coimbatore.

Dr. L. Ashok Kumar
Organizing Secretary

Dr. M. C. Bhuvaneswari
HoD I/C-EEE

Dr. R. Rudramoorthy
Principal



SSN COLLEGE OF ENGINEERING

Rajiv Gandhi Salai (OMR), Kalavakkam - 603110

Department of Electrical and Electronics Engineering

AICTE Sponsored Two Week Faculty Development Programme on

**Power Converters, Control and Grid
Integration of Renewable Energy Sources**



CERTIFICATE

This is to certify that ~~Dr./Mr./Ms.~~ J. BARNABAS PAUL GILADY of
Sathyabama University, Chennai has participated
in the AICTE Sponsored Two Week Faculty Development Programme on Power
Converters, Control and Grid Integration of Renewable Energy Sources during
November 15 - 29, 2017.

V. Kamraj
CONVENER
Dr. V. Kamraj

S. Salivahanan
PRINCIPAL
Dr. S. Salivahanan





CERTIFICATE of COMPLETION

Awarded to

Certificate No. PV/islA101/3456



P ABIRAMI

in recognition of successfully completing online course on

Solar photovoltaic Off-grid and On-grid: Design & Installation

Course Completed On November 18, 2017, 2:23 pm

DR. G. GIRIDHAR

DEPUTY DIRECTOR GENERAL & HEAD - SOLAR RADIATION RESOURCE ASSESSMENT, NIWE

Organized by Jacharya Silicon Limited, Chennai in association with the SRRA unit of NIWE (R&D Institution under MNRE)

Joint International Conference on
Intelligent Computing and Applications (ICICA 2018)
and Power, Circuit and Information Technologies (ICPCTT 2018)

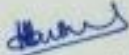
2nd - 3rd February, 2018

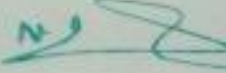
Certificate

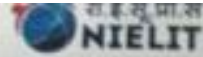
This is to certify that Dr / Mr./ Ms. P. ABIRAMI
has participated / presented a paper entitled A SURVEY ON HARMONIC
MITIGATION TECHNIQUES IN POWER SYSTEM

in the Joint International Conference on Intelligent Computing and Applications (ICICA) and Power, Circuit and
Information Technologies (ICPCTT), organised by Department of Electrical and Electronics Engineering,
Velammal Engineering College, Chennai, India


S. Prasad
Organizing Chair


Programme Chair


Principal



राष्ट्रीय इलेक्ट्रॉनिक्स एवं सूचना प्रौद्योगिकी संस्थान, चेन्नई

**National Institute of Electronics and Information Technology
Chennai**

*Autonomous Scientific Society of
Ministry of Electronics & Information Technology (MeitY), Government of India.
ISTE Complex, 25, Gandhi Mandapam Road,
Anna University, Chennai - 600025.*

CERTIFICATE

This is to certify that Ms.P.ABIRAMI has participated in Training Program on

"IOT ON AUTOMATION"

During 20-11-2017 to 24-11-2017

Station: Chennai
Dated: 24th Nov 2017
NIELIT-CH/ASPT/2017/31(EXT)/19


J.R.Suresh Babu
STC Coordinator


G. John
Director



SATHYABAMA UNIVERSITY

(Established under Section 3 of the UGC Act, 1956)
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600119

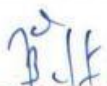


SCHOOL OF ELECTRICAL AND ELECTRONICS ENGINEERING

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that Dr. / Mr. / Ms. P. ABIRAMI
of Sathyabama University has attended two day Faculty
Development Programme on “*Simulation and Analysis of Power System using MiPower*” in
association with Power Research Development and Consultants Pvt. Ltd, Bangalore from
07.09.2017 to 08.09.2017 held at Sathyabama University, Chennai.


PRDC MEMBER


CONVENOR


DEAN-SCHOOL OF EEE


DEAN-STAFF AFFAIRS



GLOBAL INITIATIVE OF ACADEMIC NETWORKS
(GIAN)



Ministry of Human Resource Development
Government of India

PARTICIPATION CERTIFICATE



This is to certify that

P. ABIRAMI

Sathyabama University



has participated in the **GIAN Course on**

“Intelligent Electrical Power Grids (IEPG)”

organized by the Department of Electrical and Electronics Engineering,

National Institute of Technology, Tiruchirappalli

between 27th November 2017 and 01st December 2017.

Dr. N Kumaresan
Coordinator

Dr. M. P. Selvan
Coordinator

Dr. Peter Palensky
Foreign Expert
Head/ IEPG, TU Delft,
Netherlands

HoD

Director



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

P ABIRAMI

for successfully completing the course

Control Engineering

with a consolidated score of **52 %**

Online Assignments	18.5/25	Proctored Exam	33/75
--------------------	---------	----------------	-------

Total number of candidates certified in this course: **545**

Prof. A. Ramesh
Chairman
Centre for Continuing Education, IITM

Jul-Oct 2017
(12 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

P ABIRAMI

for successfully completing the course

Design Of Photovoltaic Systems

with a consolidated score of **60 %**

Online Assignments	22.5/25	Proctored Exam	37.5/75
--------------------	---------	----------------	---------

Total number of candidates certified in this course: **314**

Prof. G. L. Sivakumar Babu
Chairman, Centre for Continuing Education
IISc Bangalore

Jul-Oct 2017
(12 week course)

Prof. L. Umanand
NPTEL Coordinator
IISc Bangalore



Indian Institute of Science Bangalore



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

P ABIRAMI

for successfully completing the course

Electronic Waste Management -

Issues And Challenges

with a consolidated score of **73 %**

Online Assignments	14.75/25	Proctored Exam	58.5/75
--------------------	----------	----------------	---------

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Total number of candidates certified in this course: **558**

Feb-Mar 2018
(4 week course)

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur



Indian Institute of Technology Kharagpur





Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

P ABIRAMI

for successfully completing the course

Electronic Waste Management -

Issues And Challenges

with a consolidated score of **73 %**

Online Assignments	14.75/25	Proctored Exam	58.5/75
--------------------	----------	----------------	---------

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Total number of candidates certified in this course: **558**

Feb-Mar 2018
(4 week course)

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur



Indian Institute of Technology Kharagpur





Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

P ABIRAMI

for successfully completing the course

Design Of Photovoltaic Systems

with a consolidated score of **60 %**

Online Assignments	22.5/25	Proctored Exam	37.5/75
--------------------	---------	----------------	---------

Total number of candidates certified in this course: **314**

Prof. G. L. Sivakumar Babu
Chairman, Centre for Continuing Education
IISc Bangalore

Jul-Oct 2017
(12 week course)

Prof. L. Umanand
NPTEL Coordinator
IISc Bangalore



Indian Institute of Science Bangalore



SATHYABAMA UNIVERSITY

(Established under Section 3 of the UGC Act, 1956)
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600119

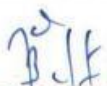


SCHOOL OF ELECTRICAL AND ELECTRONICS ENGINEERING

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that Dr. / Mr. / Ms. P. ABIRAMI
of Sathyabama University has attended two day Faculty
Development Programme on “*Simulation and Analysis of Power System using MiPower*” in
association with Power Research Development and Consultants Pvt. Ltd, Bangalore from
07.09.2017 to 08.09.2017 held at Sathyabama University, Chennai.


PRDC MEMBER


CONVENOR


DEAN-SCHOOL OF EEE


DEAN-STAFF AFFAIRS



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

P ABIRAMI

for successfully completing the course

Control Engineering

with a consolidated score of **52 %**

Online Assignments	18.5/25	Proctored Exam	33/75
--------------------	---------	----------------	-------

Total number of candidates certified in this course: **545**

Prof. A. Ramesh
Chairman
Centre for Continuing Education, IITM

Jul-Oct 2017
(12 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



GLOBAL INITIATIVE OF ACADEMIC NETWORKS
(GIAN)



Ministry of Human Resource Development
Government of India

PARTICIPATION CERTIFICATE



This is to certify that

P. ABIRAMI

Sathyabama University



has participated in the **GIAN Course on**

“Intelligent Electrical Power Grids (IEPG)”

organized by the Department of Electrical and Electronics Engineering,

National Institute of Technology, Tiruchirappalli

between 27th November 2017 and 01st December 2017.

Dr. N Kumaresan
Coordinator

Dr. M. P. Selvan
Coordinator

Dr. Peter Palensky
Foreign Expert
Head/ IEPG, TU Delft,
Netherlands

HoD

Director



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

M.PUSHPAVALLI

for successfully completing the course

Electronic Waste Management -

Issues And Challenges

with a consolidated score of **67 %**

Online Assignments	11.5/25	Proctored Exam	55.5/75
--------------------	---------	----------------	---------

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Total number of candidates certified in this course: **558**

Feb-Mar 2018
(4 week course)

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

M.PUSHPAVALLI

for successfully completing the course

Design Of Photovoltaic Systems

with a consolidated score of **60 %**

Online Assignments	22/25	Proctored Exam	38.25/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **314**

Prof. G. L. Sivakumar Babu
Chairman, Centre for Continuing Education
IISc Bangalore

Jul-Oct 2017
(12 week course)

Prof. L. Umanand
NPTEL Coordinator
IISc Bangalore



Indian Institute of Science Bangalore



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
M.PUSHPAVALLI
for successfully completing the course

Control Engineering

with a consolidated score of **64 %**

Online Assignments	19/25	Proctored Exam	45/75
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Total number of candidates certified in this course: **545**

Prof. A. Ramesh
Chairman
Centre for Continuing Education, IITM

Jul-Oct 2017
(12 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras

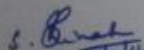
Joint International Conference on
Intelligent Computing and Applications (ICICA 2018)
and Power, Circuit and Information Technologies (ICPCIT 2018)

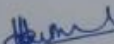
2nd - 3rd February, 2018

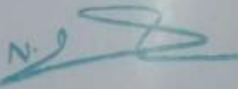
Certificate

This is to certify that Dr / Mr./ Ms. M. PVSHPAVALLI
has participated / presented a paper entitled MAXIMUM POWER TRACKING FOR
PV ARRAY SYSTEM USING FUZZY LOGIC CONTROLLER

in the Joint International Conference on Intelligent Computing and Applications (ICICA) and Power, Circuit and
Information Technologies (ICPCIT), organised by Department of Electrical and Electronics Engineering,
Velammal Engineering College, Chennai, India


Organizing Chair


Programme Chair


Principal



राष्ट्रीय इलेक्ट्रॉनिकी एवं सूचना प्रौद्योगिकी संस्थान, चेन्नई

**National Institute of Electronics and Information Technology
Chennai**

*Autonomous Scientific Society of
Ministry of Electronics & Information Technology (MeitY), Government of India.
ISTE Complex, 25, Gandhi Mandapam Road,
Anna University, Chennai - 600025.*

CERTIFICATE

This is to certify that Ms.M.PUSHPAVALLI has participated in Training Program on

"IOT ON AUTOMATION"

During 20-11-2017 to 24-11-2017

Station: Chennai
Dated: 24th Nov 2017
NIELIT-CHE/EPDPT 2017/31(EXT)/18


J.R. Suresh Babu
STC Coordinator


G. John
Director



SATHYABAMA UNIVERSITY

(Established under Section 3 of the UGC Act, 1956)
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600119



SCHOOL OF ELECTRICAL AND ELECTRONICS ENGINEERING

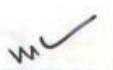
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that Dr. / Mr. / Ms. M. PUSHPAVALLI
of Sathyabama University has attended two day Faculty
Development Programme on “*Simulation and Analysis of Power System using MiPower*” in
association with Power Research Development and Consultants Pvt. Ltd, Bangalore from
07.09.2017 to 08.09.2017 held at Sathyabama University, Chennai.


PRDC MEMBER


CONVENOR


DEAN-SCHOOL OF EEE


DEAN-STAFF AFFAIRS



GLOBAL INITIATIVE OF ACADEMIC NETWORKS
(GIAN)



Ministry of Human Resource Development
Government of India

PARTICIPATION CERTIFICATE



This is to certify that

M. PUSHPAVALLI

Sathyabama University



has participated in the **GIAN Course on**

“Intelligent Electrical Power Grids (IEPG)”

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National Institute of Technology, Tiruchirappalli

between 27th November 2017 and 01st December 2017.

Dr. N Kumaresan
Coordinator

Dr. M. P. Selvan
Coordinator

Dr. Peter Palensky
Foreign Expert
Head/ IEPG, TU Delft,
Netherlands

HoD

Director

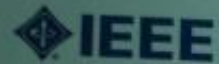
Om Sakthi



ADHIPARASAKTHI ENGINEERING COLLEGE
Melmaruvathur-603319, Tamilnadu, India



Certificate



This is to certify that

V.Senthil Nayagam

has presented a paper titled

Alleviate the Voltage gain of High Step-up DC to DC converter using Quasi Active Switched
Inductor Structure for Renewable Energy

at the IEEE sponsored 6th International Conference on Computation of Power, Energy,
Information and Communication organized by the Department of Electrical and Electronics
Engineering in association with ISTE Chapter on 22nd and 23rd March 2017.


DR. V. BASKARAN
CONVENER / H.O.D


DR. V. RAMASAMY
Principal



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
BHUVANESWARI.C
for successfully completing the course

Electrical Machines - I

with a consolidated score of **56 %**

Online Assignments	15.75/25	Proctored Exam	40.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **283**

Prof. Anupam Basu
Chairman and Head
Centre for Educational Technology, IIT Kharagpur

Jul-Oct 2017
(12 week course)

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur



Indian Institute of Technology Kharagpur



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

Bhuvaneswari.C

for successfully completing the course

Waste to Energy Conversion

with a consolidated score of **65 %**

Online Assignments	22.75/25	Proctored Exam	42/75
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Prof. B. K. Gandhi
Coordinator, Continuing Education Center
NPTEL Coordinator, IIT Roorkee

Total number of candidates certified in this course: **312**

Feb-Mar 2018
(8 week course)



Indian Institute of Technology Roorkee





राष्ट्रीय इलेक्ट्रॉनिक्स एवं सूचना प्रौद्योगिकी संस्थान, चेन्नई

**National Institute of Electronics and Information Technology
Chennai**

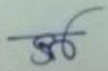
*Autonomous Scientific Society of
Ministry of Electronics & Information Technology (MeitY), Government of India,
ISTE Complex, 25, Gandhi Mandapam Road,
Anna University, Chennai – 600025.*

CERTIFICATE

*This is to certify that Ms.C.BHUVANESHWARI has participated in Training Program on
"IOT ON AUTOMATION"*

During 20-11-2017 to 24-11-2017

Location: Chennai
Date: 24th Nov 2017
Ref: ME/EPDPT 2017/31(EXT)/09


J.R.Suresh Babu
STC Coordinator


G. John
Director



SATHYABAMA UNIVERSITY

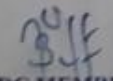
(Established under Section 3 of the UGC Act, 1956)
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600119

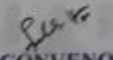


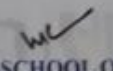
SCHOOL OF ELECTRICAL AND ELECTRONICS ENGINEERING
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

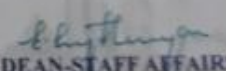
CERTIFICATE OF PARTICIPATION

This is to certify that Dr. / Mr. / Ms. BHUVANESHWARI. C
of Sathyabama University has attended two day Faculty
Development Programme on "*Simulation and Analysis of Power System using MiPower*" in
association with Power Research Development and Consultants Pvt. Ltd, Bangalore from
07.09.2017 to 08.09.2017 held at Sathyabama University, Chennai.


PRDC MEMBER


CONVENOR


DEAN-SCHOOL OF EEE


DEAN-STAFF AFFAIRS



One-Day Workshop on
"RECENT TRENDS IN RENEWABLE ENERGY SOURCES"
DEPARTMENT OF MECHATRONICS ENGINEERING
SRM UNIVERSITY
KATTANKULATHUR, CHENNAI, TAMIL NADU



Certificate of Participation

This is to Certify that Mr./Ms. BHUVANESWARI - C
of SATHYABAMA UNIVERSITY has participated in
One-day Workshop on "Recent Trends in Renewable Energy Sources"
held on July 21, 2017 conducted by Department of Mechatronics
Engineering, SRM University.

V. Kulkarni
COORDINATOR

M. S. Sankar
CONVENOR

Dr. Thangavelu
DIRECTOR



Indian Institute of Technology Madras



Global Initiative of Academic Networks



Ministry of Human Resource Development
Government of India

GLOBAL INITIATIVE OF ACADEMIC NETWORKS

Certificate of Participation

Bhuvaneswari C

from **Sathyabama Institute of Science and Technology** participated in the course

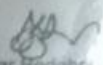
From Subdivision to Wavelets and Fractals

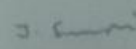
conducted during

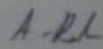
04th December to 11th December, 2017

Course Faculty:

1. Prof. David Levin, Tel-Aviv University, Israel.
2. Prof. Arun Kumar Tangirala, IIT Madras.
3. Prof. Arya Kumar Bedabrata Chand, IIT Madras.
4. Prof. G. Saravanan Kumar, IIT Madras.


Prof. Arya Kumar Bedabrata Chand
Course Coordinator


Prof. T. Sundararajan
Local Institute Coordinator


Prof. A. Ramesh
Chairman, CCE



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

S.NIRMALRAJ

for successfully completing the course

Effective Engineering Teaching in Practice

with a consolidated score of **78 %**

Online Assignments	17.75/25	Proctored Exam	60/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **627**

Prof. A. Ramesh
Chairman
Center for Continuing Education, IITM

Feb-Mar 2018
(4 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



DEPARTMENT OF MECHANICAL ENGINEERING

International Conference on “Recent Advances in Mechanical Engineering”

CERTIFICATE OF PARTICIPATION

This is to Certify that Dr./Mr./Ms. S. JAYAPRAKASH of
SATHYABAMA UNIVERSITY, CHENNAI. has participated / presented a paper entitled
HARDWARE IMPLEMENTATION OF SOLAR BASED CONVERTER FOR LED LIGHTING LOAD
in ICROME 2017 held on September 01st and 02nd 2017.



CONVENOR



CHAIRPERSON



PRINCIPAL

Supported by



Tamilnadu State
Council For

in association with



प्रमाण पत्र संख्या **87835**

Certificate No.



Skill India

वीरता धर्म - दूरदर्शन धर्म

प्रशिक्षण महानिदेशालय
DIRECTORATE GENERAL OF TRAINING
कौशल विकास एवं उद्यमिता मंत्रालय
Ministry of Skill Development and Entrepreneurship
भारत सरकार
GOVERNMENT OF INDIA

CERTIFICATE OF PROFICIENCY

Certified that प्रमाणित किया जाता है

Shri/Smt/Kumari श्री / श्रीमती / कुमारी **JAYAPRAKASH.S**

Son/Daughter/Wife of Shri सुपुत्र / सुपुत्री / पत्नी श्री **SUBRAMANIAN**

has successfully completed the training programme as per details given below and awarded this certificate/ ने सफलतापूर्वक नीचे दिए गए विवरण के अनुसार प्रशिक्षण प्राप्त किया जिसके

तहत इस प्रमाण पत्र से सम्मानित किये जाते हैं।

Name of the course / पाठ्यक्रम का नाम

PROTECTIVE RELAYS, CIRCUIT BREAKERS & SWITCHGEAR PROTECTION

Course conducted at / पर पाठ्यक्रम का आयोजन **ADVANCED TRAINING INSTITUTE**
CHENNAI (ISO 29990 - 2010 CERTIFIED)

Duration of the course / पाठ्यक्रम की अवधि **ONE** **WEEK(S)**

From / से **13/11/2017** To / तक **17/11/2017**

Deputed / Private / प्रतिनियुक्त / निजी **SATHYABAMA UNIVERSITY**

CHENNAI

Place / स्थान : Chennai

Date / दिनांक

17/11/2017

[Signature]
निदेशक
Director





St. JOSEPH'S INSTITUTE OF TECHNOLOGY

St. JOSEPH'S GROUP OF INSTITUTIONS

OMR, CHENNAI - 119.



**3rd INTERNATIONAL CONFERENCE ON
RECENT TRENDS IN ENGINEERING AND TECHNOLOGY (ICRTET - 2018)**

CERTIFICATE

This is to certify that Dr. / Mr. / Mrs. / Miss. GEETHA . V

has presented the paper titled A 15 LEVEL MULTILEVEL INVERTER WITH REDUCED NUMBER
OF SWITCHES in 3rd International Conference on Recent Trends in Engineering and
Technology (ICRTET-2018) on 04/05/2018 at St. Joseph's Institute of Technology.

CONVENER

PRINCIPAL

Dr. P. Ravichandran M. Tech., Ph. D.



VIT[®]
UNIVERSITY
(Estd. w/s 3 of UGC Act 1956)

VIT-A Place to Learn, A Chance to Grow

CERTIFICATE OF PARTICIPATION

This is to certify that Prof. /Dr. /Mr. /Ms. M. Kavitha
of Sathyabama University, Chennai

has participated in One day National Workshop on 'Power Electronics Application to Power Systems' Organised by School of Electrical Engineering (SELECT), VIT University, Vellore in association with EMTP Software, Powersys, Chennai at VIT University, Vellore, India on 11th August 2017.

P. Kumar
Coordinator

P. Anirudh
Dean



SATHYABAMA UNIVERSITY

(Established under Section 3 of the UGC Act, 1956)
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600119



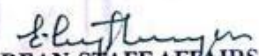
SCHOOL OF ELECTRICAL AND ELECTRONICS ENGINEERING
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE OF APPRECIATION

This is to appreciate that Dr. / Mr. / Ms. M. KAVITHA
of Sathyabama University has acted as a Resource person
in a two day Faculty Development Programme on "*Simulation and Analysis of Power System
using MiPower*" in association with Power Research Development and Consultants Pvt. Ltd,
Bangalore from 07.09.2017 to 08.09.2017 held at Sathyabama University, Chennai.


CONVENOR


DEAN-SCHOOL OF EEE


DEAN-STAFF AFFAIRS



SSN College Of Engineering
Department of Electrical and Electronics Engineering

Certificate of Participation

This is to certify that Dr/Mr/Ms. P. ABIRAMI of
SATHYABAMA UNIVERSITY

has participated in the One Day Workshop on, " **Research Challenges and Innovation on Solar Energy Systems**", held on 4th August, 2017, conducted by the Department of Electrical and Electronics Engineering, SSN College Of Engineering, Kalavakkam- 603110.


Head of the Department
Dr. V. Kamaraj


Principal
Dr. S. Salivahanan



CERTIFICATE of COMPLETION
Awarded to

Certificate No. PV/islA101/3437



SIVAGAMI P

in recognition of successfully completing online course on
Solar photovoltaic Off-grid and On-grid: Design & Installation

Course Completed On November 18, 2017, 2:08 pm

Organized by iacharya Solar Limited, Chennai in association with the SRRA unit of NIWE (R&D Institution under MNRE)


DR. G. GIRIDHAR

DEPUTY DIRECTOR GENERAL & HEAD, SOLAR RADIATION RESOURCE ASSESSMENT, NIWE



CERTIFICATE of COMPLETION
Awarded to

Certificate No. PV/isiA101/3436



M.PUSHPAVALLI

in recognition of successfully completing online course on

Solar photovoltaic Off-grid and On-grid: Design & Installation

Course Completed On November 17, 2017, 2:40 pm

Organized by iacharya Silicon Limited, Chennai in association with the SRRA unit of NIWE (R&D Institution under MNRE)

A handwritten signature in blue ink, appearing to read 'Giridhar G'.

DR. G. GIRIDHAR,

DEPUTY DIRECTOR GENERAL & HEAD - SOLAR RADIATION RESOURCE ASSESSMENT, NIWE