



# **PRATHYUSHA ENGINEERING COLLEGE**

## **CRITERIA 6**

### **Governance, Leadership and Management**

#### **6.3.3**

**6.3.3 Average number of professional development / administrative training programs organized by the institution for teaching and non teaching staff**

**2015-2016**

**6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years**

<b>Dept</b>	<b>Year</b>	<b>Dates (From-To) (dd-mm-yyyy)</b>	<b>Title Of The Professional Development Program Organised For Teaching Staff</b>	<b>Title Of The Administrative Training Program Organised For Non-Teaching Staff</b>	<b>No. Of Participants</b>
<b>ACADEMIC YEAR 2015-2016</b>					
BIOTECH	2015-2016	16-12-2016 to 17-12-2016	National level workshop on animal cell culture	-	143
CIVIL	2015-2016	29.10.2015	FDP- Remote Sensing and Geographic Information System	-	21
CSE & IT	2015-2016	17.12.15 to 23.12.15	AU FDTP on DAA	-	25
CSE & IT	2015-2016	11.01.2016	Data analytics using R	-	25
CSE & IT	2015-2016	12.01.2016	CCNA : Introduction to network, routing and Switches	-	12
CSE & IT	2015-2016	04.01.2016-10.01.2016	Mobile Application Development on Android	-	31
ECE	2015-2016	10/02/2016-11/02/ 2016	Network Simulation tools	-	48
EEE	2015-2016	27.02.2016 - 28.02.2016	International Conference -AEEICB-2016	-	43
MECH	2015-2016	-	-	-	-
S&H	2015-2016	-	-	-	-



## PRATHYUSHA ENGINEERING COLLEGE

*"A gateway to technical excellence"*

### DEPARTMENT OF BIOTECHNOLOGY

#### Workshop 2016 – 2017

S. No.	Name of the Faculty	Participation
1	Dr. P. Dhasarathan	➤ National level workshop on animal cell culture 16.12.2016-17.12.2016
2	Mr. Cholapandian K	➤ National level workshop on animal cell culture 16.12.2016-17.12.2016
3	Dr. Praveena A	➤ National level workshop on animal cell culture 16.12.2016-17.12.2016
4	Dr. Thenmozhi M	➤ National level workshop on animal cell culture 16.12.2016-17.12.2016
5	Prof. Parthasarathy	➤ National level workshop on animal cell culture 16.12.2016-17.12.2016
6	Mrs. Jenila Rani	➤ National level workshop on animal cell culture 16.12.2016-17.12.2016
7	Mrs. H. Archana	➤ National level workshop on animal cell culture 16.12.2016-17.12.2016
8	Mr. R. Dineshkumar	➤ National level workshop on animal cell culture 16.12.2016-17.12.2016
9	Mrs. G. Lavanya	➤ National level workshop on animal cell culture 16.12.2016-17.12.2016
10	Mrs. Saranya	➤ National level workshop on animal cell culture 16.12.2016-17.12.2016



ESTD. 2001

PRATHYUSHA ENGINEERING COLLEGE

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LIFE TECK RESEARCH CENTRE, CHENNAI



CERTIFICATE

This is to certify that Dr. P. Dhasarathan, Asso. Professor, Prathyusha Engineering College, Tiruvallur has actively participated in "*A two days National level workshop on Animal cell culture*" held on 16.12.2016 to 17.12.2016 organised by Life Teck Research centre, Chennai, Tamilnadu

Programme Organiser

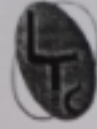


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**CERTIFICATE**

This is to certify that Mr.K.Cholapandian, Asso. Professor, Prathyusha Engineering College, Tiruvallur has actively participated in "*A two days National level workshop on Animal cell culture*" held on 16.12.2016 to 17.12.2016 organised by Life Teck Research centre, Chennai, Tamilnadu

  
Programme Organiser



P. V. NARAYANA MURTHY EDUCATION TRUST

5

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LIFE TIME LEARNING CENTRE, HYDRABAD



CERTIFICATE

This is to certify that Dr. P. Venkatesh Reddy, P. V. Narayana Murthy Education Trust, Hyderabad, has actively participated in the two days National level workshop on "Smart" cell culture held on 26.11.2016 to 17.12.2016 organized by Life Time Learning Centre, Hyderabad.

*PS*

*[Signature]*  
Project Director



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LIFE TECK RESEARCH CENTRE, CHENNAI



**CERTIFICATE**

This is to certify that Dr.A.Praveena, Asst. Professor, Prathyusha Engineering College, Tiruvallur has actively participated in "*A two days National level workshop on Animal cell culture*" held on 16.12.2016 to 17.12.2016 organised by Life Teck Research centre, Chennai, Tamilnadu

Programme Organiser



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**CERTIFICATE**

This is to certify that Mrs. H. Archana, Asst. Professor, Prathyusha Engineering College, Tiruvallur has actively participated in "*A two days National level workshop on Animal cell culture*" held on 16.12.2016 to 17.12.2016 organised by Life Teck Research centre, Chennai, Tamilnadu

Programme Organiser





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**CERTIFICATE**

This is to certify that Mrs. D.Jenilarani, Asst. Professor, Prathyusha Engineering College, Tiruvallur has actively participated in "*A two days National level workshop on Animal cell culture*" held on 16.12.2016 to 17.12.2016 organised by Life Teck Research centre, Chennai, Tamilnadu

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### CERTIFICATE

This is to certify that Mr. R. Dineshkumar, Asst. Professor, Prathyusha Engineering College, Tiruvallur has actively participated in "*A two days National level workshop on Animal cell culture*" held on 16.12.2016 to 17.12.2016 organised by Life Teck Research centre, Chennai, Tamilnadu

Programme Organiser



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LIFE TECK RESEARCH CENTRE, CHENNAI



**CERTIFICATE**

This is to certify that Mrs. G.Lavanya, Asst. Professor, Prathyusha Engineering College, Tiruvallur has actively participated in "*A two days National level workshop on Animal cell culture*" held on 16.12.2016 to 17.12.2016 organised by Life Teck Research centre, Chennai, Tamilnadu

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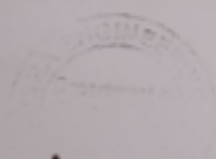
&

LIFE TECK RESEARCH CENTRE, CHENNAI



**CERTIFICATE**

This is to certify that Mrs. Saranya, Asst. Professor, Prathyusha Engineering College, Tiruvallur has actively participated in "*A two days National level workshop on Animal cell culture*" held on 16.12.2016 to 17.12.2016 organised by Life Teck Research centre, Chennai, Tamilnadu



*PS*

*[Signature]*  
Programme Organiser

CERTIFICATE



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**CERTIFICATE**

This is to certify that Dr.N.Parathasarathy, Professor, Prathyusha Engineering College, Tiruvallur has actively participated in "*A two days National level workshop on Animal cell culture*" held on 16.12.2016 to 17.12.2016 organised by Life Teck Research centre, Chennai, Tamilnadu

*P. Shankar*

*[Signature]*  
Programme Organiser

## PRATHYUSHA ENGINEERING COLLEGE

### DEPARTMENT OF BIOTECHNOLOGY

### ANIMAL CELL CULTURE WORKSHOP

- ✚ “National level workshop on animal cell culture” was conducted from 16.12.16 to 17.12.16. at Department of Biotechnology, Prathyusha Engineering college, Chennai. Mr. Kaliraj, Anna university delivered an invited lecture in National level workshop. All the staff members and 150 students participated in National Level Workshop.
- ✚ Day1 programme Started with inauguration by Chief guest Prof.Kaliraj, Former Vicechancellor(officiating), Anna University, Chennai, followed by Lectures and Hands-on Session on ATC



Day2 programme Started with practical hand-on training followed by Lectures and Valedictory Function. Valedictory Address was delivered by Chief guest HONORABLE JUSTICE

M.GOVINDARAJ, JUDGE ,MADRAS HIGH COURT, Chennai.Our Dynamic Principal PLN.RAMESH felicitated the chief guest by fruit bouquet and memento.







**2015-2016**

**REMOTE SENSING AND GEOGRAPHIC  
INFORMATION SYSTEM**

Faculty Development and Training Programme on

## Remote Sensing and Geographical Information System (GIS)

29<sup>th</sup> October 2015

Organised by

Department of Civil Engineering

PRATHYUSHA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Aravoyal Kupam

Poznamallee to Thiruvallur Road, Chennai - 602 025, Tamil Nadu

## Faculty Development and Training Programme on Remote Sensing and Geographical Information System (GIS)

29<sup>th</sup> October 2015

Organised by

Department of Civil Engineering  
PRATHYUSHA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

### PROGRAMME SCHEDULE

SESSION - I	Principles of Remote Sensing	Dr. M. THANJALACHARI Professor Department of Civil Engineering PIETM
29-10-2015		
9.30 - 11.30 am		
SESSION - II	Basis of GIS and Image Processing with Case Studies	Dr. M. THANJALACHARI
29-10-2015		
11.30 am - 12.30 pm		
SESSION - III	Applications of Remote Sensing and GIS in Environmental Pollution Control	Ms. S. SURESHINI Asst. Professor Department of Civil Engineering PIETM
29-10-2015		
1.30 pm - 2.30 pm		
SESSION - IV	Applications of Remote Sensing and GIS in Biodiversity	Ms. S. SURESHINI Asst. Professor Department of Civil Engineering PIETM
29-10-2015		
2.30 pm - 3.30 pm		

Venue : CIVIL ENGINEERING DEPARTMENT

### OBJECTIVES

In modern and emerging disciplines of natural science, remote sensing technologies have become a significant and important tool for various approaches towards monitoring, assessment and conservation of natural resources and environment. Recent advances made in Micro-wave Sensing, Hyper spectral imaging and High spatial resolution offer promising techniques to explore various aspects related to monitoring large scale environment in a fruitful and cost effective way. Applying remote sensing in understanding natural processes, several thematic features along with mapping inventory of water resources across different spatial and temporal scales can generate tremendous outputs. In the field of forestry and agriculture, terrain analysis, forest management, updating a

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sponsored this Institute will be pleased to  
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Chief Executive Officer  
Name  
Mr. P. Srinivasan  
Chief Executive Officer  
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Mr. P. Srinivasan  
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Mr. P. Srinivasan  
Chief Executive Officer  
Name  
Mr. P. Srinivasan  
Chief Executive Officer

Address: \_\_\_\_\_  
Mr. P. Srinivasan, Chief Executive Officer  
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1974-75



**Remote Sensing and  
Geographical  
Information Systems (GIS)**

1974-75

**Department of Civil Engineering**

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Department of \_\_\_\_\_, \_\_\_\_\_  
Department of \_\_\_\_\_, \_\_\_\_\_  
Department of \_\_\_\_\_, \_\_\_\_\_



# Remote Sensing and Geographical Information System (GIS)

14<sup>th</sup> and 15<sup>th</sup> December 2014

Organized by

**DEPARTMENT OF CIVIL ENGINEERING**  
Pratyaisha Institute of Technology & Management

Amravati Campus  
Pratyaisha Institute of Technology & Management  
Campus - 400 007  
Nandgaon, India

## PROGRAMME SCHEDULE

Session	Topic	Speaker
SESSION - I	Introduction to Remote Sensing and GIS	Dr. S. S. Patil
SESSION - II	Remote Sensing Data Acquisition and Processing	Dr. S. S. Patil
SESSION - III	Remote Sensing Applications	Dr. S. S. Patil
SESSION - IV	GIS Fundamentals	Dr. S. S. Patil
SESSION - V	GIS Applications	Dr. S. S. Patil
SESSION - VI	Remote Sensing and GIS in Urban Planning	Dr. S. S. Patil
SESSION - VII	Remote Sensing and GIS in Environmental Management	Dr. S. S. Patil
SESSION - VIII	Remote Sensing and GIS in Agriculture	Dr. S. S. Patil
SESSION - IX	Remote Sensing and GIS in Disaster Management	Dr. S. S. Patil
SESSION - X	Remote Sensing and GIS in Water Resources Management	Dr. S. S. Patil

Venue: PTAM MEGA LAB





# FDP ON DESIGN & ANALYSIS OF ALGORITHMS

2015 -2016

## SPONSORSHIP

Mr./Ms./Dr. \_\_\_\_\_  
is an employee of our institution and he /  
she is sponsored to attend faculty  
development Training programme on  
"CS6402 - Design and Analysis of  
Algorithms"

Date:

*Signature of Sponsoring  
Authority with office Seal*

Mailing Address:

**Dr.P.Chitra**  
Coordinator,  
FDTP on "Design & Analysis of Algorithms"  
Department of Information Technology,  
Prathyusha Institute of Technology and  
Management, Aranyvayalkuppam,  
Thiruvallur, Tamil Nadu - 602025.

Phone: 044 3767 3745  
Fax: 91-44-3767 3703  
Mobile: 9443394023, 9626524902  
Email: pitam2008it@gmail.com

## ORGANIZING COMMITTEE

### CHIEF PATRON:

**Prof.Dr.M.Rajaram**  
Vice-Chancellor, Anna University, Chennai

### PATRON:

**Dr.S.Ganesan**  
Registrar, Anna University, Chennai

### CHAIR:

**Dr.D.Mohan**  
Director, CFD  
**Dr.D.Sridharan**  
Addl. Director, CFD

### CO CHAIR:

**Dr.P.M.Beulah Devamalar**, Principal, PITAM  
**Dr. V.Thulasi Bai**, Vice Principal, PITAM

### CO-ORDINATORS:

**Dr.P.Chitra**, Professor & Head/IT  
**Dr.M.P.Sivaram Kumar**, Professor/IT

### VENUE:

**CISCO LAB**  
Department of Information Technology, PITAM

### IMPORTANT DATES:

Submission of Application : 8<sup>th</sup> Nov 2015  
Intimation of Selection : 9<sup>th</sup> Nov 2015  
Confirmation by Participants : 11<sup>th</sup> Nov 2015  
**NO COURSE FEE** for the participants.

## SEVEN DAYS FDTP ON CS6402-DESIGN AND ANALYSIS OF ALGORITHMS

12.11.2015 to 18.11.2015

**Dr.P.Chitra**  
**Dr.M.P.Sivaram Kumar**



Approved by  
**ANNA UNIVERSITY**  
Chennai



Organized by

**Prathyusha**  
Institute of Technology and Management  
Department of Information Technology  
Aranyvayalkuppam, Thiruvallur,  
Tamil Nadu - 602025.

<p style="text-align: center;"><b>About PITAM</b></p> <p>Prathyusha Institute of Technology and Management, is one of the best Engineering colleges, located just 30 km away from Chennai on the Poonamallee – Tiruvallur Road at Aranvoyaluppam. This temple of knowledge provides an ideal atmosphere to pursue education without any external distraction.</p> <p>PITAM has, within a short span of time, emerged as one of the premier professional institutions in this region. The college maintains high standards of education by providing a wide array of world class academic facilities, employing highly qualified and experienced faculty members and creating an ambience conducive to quality education. Today, the college offers <b>7 UG courses (CSE, ECE, EEE, Mech, Civil, IT and BioTech) and 5 PG programmes [ME (CSE), ME (AE), ME (PED), ME (CAD/CAM), ME (CS)]</b> affiliated to Anna University approved by AICTE and accredited by NBA.</p>	<p style="text-align: center;"><b>Scope of the Programme</b></p> <p>The aim of this faculty development training program is to provide an extensive exposure to faculty members handling the course <b>CS6402 – Design and Analysis of Algorithms</b> in AICTE approved engineering colleges Affiliated to Anna University.</p> <p style="text-align: center;"><b>Topics of the Programme</b></p> <ul style="list-style-type: none"> <li>• Algorithmic Problem Solving</li> <li>• Analysis of Algorithm Efficiency</li> <li>• Convex-Hull Problems</li> <li>• Merge sort, Quick sort, Binary search</li> <li>• Warshall's and Floyd algorithm</li> <li>• Prim's algorithm, Kruskal's Algorithm</li> <li>• Bipartite Graphs</li> <li>• Stable Marriage Problem</li> </ul> <p>Experts from Indian Institute of Technology-Chennai, Anna university-Chennai, and Industrial experts will deliver the lecture.</p>	<p style="text-align: center;"><b>FACULTY DEVELOPMENT TRAINING PROGRAMME ON CS6402-DESIGN AND ANALYSIS OF ALGORITHMS</b></p> <p style="text-align: center;"><b>Approved by</b></p> <p style="text-align: center;"><b>CENTER FOR FACULTY DEVELOPMENT ANNA UNIVERSITY, CHENNAI</b> Nov 12<sup>th</sup> – 18<sup>th</sup>, 2015</p> <p style="text-align: center;"><b>REGISTRATION FORM</b></p> <p>Name (in Block Letters) : .....</p> <p>Date of birth &amp; Age: ..... Gender:.....</p> <p>Qualification: .....</p> <p>Experience (if any) : .....</p> <p>Designation &amp; Dept. : .....</p> <p>Organization .....</p> <p>Address for Communication : .....</p> <p>.....</p> <p>Office No.:..... Mob.No.:.....</p> <p>Email-Id .....</p> <p><b>DECLARATION:</b> The given information is true to the best of my Knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the course for the entire duration.</p> <p>Place : Date : <span style="float: right;">Signature of the Candidate</span></p>
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## SCHEDULE OF TRAINING PROGRAMME

Branch : INFORMATION TECHNOLOGY  
Semester : IV  
Subject Name : Design and Analysis of algorithms  
Code No : CS6402  
Duration : 12/11/2015 to 18/11/2015

### Tentative schedule:

Date	Session	Time	Resource person	Topics
12/11/2015	Registration & Inauguration	8.30am to 10.00am	Inauguration by Dr.S.K.Srivatsa ,Senior Professor,CSE,PITAM	
		10.00am to 10.10am	Tea Break	
	Session 1	10.10am to 12.15 pm	Dr.S.K. Srivatsa	Notion of an Algorithm-Asymptotic notations
		12.15pm to 1.00 pm	Lunch Break	
	Session 2	1.00pm to 2.15pm	Dr. M.P.Sivaram Kumar	Fundamentals of the Analysis of Algorithm Efficiency.
		2.15pm to 2.30pm	Tea Break	
	Session 3	2.30 pm to 3.45 pm	Dr. M.P.Sivaram Kumar	Analysis Framework



13/11/2015	Session 1	8.30am to 10.00am	Ms.S.Famitha	Brute Force - Closest-Pair and Convex-Hull Problems.
		10.00am to 10.10am	Tea Break	
	Session 2	10.10am to 12.15 pm	Mr.R.Thiyagarajan	Exhaustive Search - Travelling Salesman Problem - Knapsack Problem - Assignment problem.
		12.15pm to 1.00 pm	Lunch Break	
	Session 3	1.00pm to 2.15pm	Dr.S.K. Srivatsa	Mathematical analysis for Recursive algorithms.
		2.15pm to 2.30pm	Tea Break	
	Session 4	2.30 pm to 3.45 pm	Dr.S.K. Srivatsa	Mathematical analysis for Non-recursive algorithms.
14/11/2015	Session 1	8.30am to 10.00am	Ms.S.Famitha	Divide and Conquer: Closest-Pair and Convex-Hull Problems.
		10.00am to 10.10am	Tea Break	
	Session 2	10.10am to 12.15 pm	Dr. M.P.Sivaram Kumar	Merge sort, Quick sort, Binary search Multiplication of Large Integers – Stassen's Matrix Multiplication
		12.15pm to 1.00 pm	Lunch Break	
	Session 3	1.00pm to 2.15pm	S.Kalaiarasi	Dynamic Programming : Warshall's and Floyd's algorithm.
		2.15pm to 2.30pm	Tea Break	
	Session 4	2.30 pm to 3.45 pm	M.Uma Devi	Hamiltonian Circuit Problem.
15/11/2015	Session 1	8.30am to 10.00am	P.Anuradha	Optimal Binary Search Trees.
		10.00am to 10.10am	Tea Break	
	Session 2	10.10am to 12.15 pm	Dr. M.P.Sivaram Kumar	Knapsack Problem & Memory Functions
		12.15pm to 1.00 pm	Lunch Break	
	Session 3	1.00pm to 2.15pm	A.Sindhuja	Greedy Technique: Prim's algorithm- Kruskal's Algorithm
		2.15pm to 2.30pm	Tea Break	

	Session 4	2.30 pm to 3.45 pm	Dr. M.P.Sivaram Kumar	Dijkstra's Algorithm- Huffman Trees.
16/11/2015	Session 1	8.30am to 10.00am	S.Kalaiarasi	Iterative Improvement: The Simplex Method
		10.00am to 10.10am	Tea Break	
	Session 2	10.10am to 12.15 pm	Dr. M.P.Sivaram Kumar	The Maximum-Flow Problem
		12.15pm to 1.00 pm	Lunch Break	
	Session 3	1.00pm to 2.15pm	R.Durga	Divide and conquer methodology – Merge sort – Quick sort – Binary search.
		2.15pm to 2.30pm	Tea Break	
	Session 4	2.30 pm to 3.45 pm	Mr.R.Thiyagarajan	The Stable marriage Problem
17/11/2015	Session 1	8.30am to 10.00am	Dr. M.P.Sivaram Kumar	Limitations of Algorithm Power-Lower-Bound Arguments
		10.00am to 10.10am	Tea Break	
	Session 2	10.10am to 12.15 pm	Dr.P.Chitra	Decision Trees-P, NP and NP Complete Problems--
		12.15pm to 1.00 pm	Lunch Break	
	Session 3	1.00pm to 2.15pm	Dr.S.K. Srivatsa	Traveling Salesman problem
		2.15pm to 2.30pm	Tea Break	
	Session 4	2.30 pm to 3.45 pm	Dr.S.K. Srivatsa	Knapsack problem
18/11/2015	Session 1	8.30am to 10.00am	P.Anuradha	Branch and Bound – Assignment problem – Knapsack Problem – Traveling Salesman Problem
		10.00am to 10.10am	Tea Break	
	Session 2	10.10am to 12.15 pm	R.Durga	Coping with the Limitations - Backtracking – n-Queens problem –
		12.15pm to 1.00 pm	Lunch Break	
	Session 3	1.00pm to 2.15pm	Dr. M.P.Sivaram Kumar	Approximation Algorithms for NP Hard Problems-TSP-Knapsack problem
		2.15pm to 2.30pm	Tea Break	
	Session 4	2.30 pm to 3.45 pm	Valedictory Function	

# PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF INFORMATION TECHNOLOGY

ANNA UNIVERSITY APPROVED 7-DAYS FDTP

ON

CS6402 - DESIGN AND ANALYSIS OF ALGORITHMS

LIST OF FACULTY EXPERTS AND TOPICS COVERED

FACULTY EXPERTS	FACULTY EXPERTS
Dr. P.M.Beulah Devamalar	Overview
Dr.S.K. Srivatsa	Notion of an Algorithm-Asymptotic notations
Dr. P.M.Beulah Devamalar	Fundamentals of the Analysis of Algorithm Efficiency.
Dr. M.P.Sivaram Kumar	Analysis Framework
Ms.S.Famitha	Brute Force - Closest-Pair and Convex-Hull Problems.
Mr.R.Thiyagarajan	Exhaustive Search - Travelling Salesman Problem - Knapsack Problem - Assignment problem.
Dr.S.K. Srivatsa	Mathematical analysis for Recursive algorithms.
Dr.S.K. Srivatsa	Mathematical analysis for Non-recursive algorithms.
Dr. Murugeswari,Prof/IT, Velammal Engg.College.	Divide and Conquer: Closest-Pair and Convex-Hull Problems.
Dr. G.Murugesan,Prof/CSE, St.Joseph College of Engg.	Merge sort, Quick sort, Binary search Multiplication of Large Integers – Stassen’s Matrix Multiplication
S.Kalaiarasi	Dynamic Programming : Warshall’s and Floyd’s algorithm.
M.Uma Devi	Hamiltonian Circuit Problem.
P.Anuradha	Optimal Binary Search Trees.
Dr. Jagadeesh Kannan, Prof/CSE, VIT,Chennai)	Knapsack Problem & Memory Functions
A.Sindhuja	Greedy Technique: Prim’s algorithm- Kruskal's Algorithm
Dr. M.P.Sivaram Kumar	Dijkstra's Algorithm-Huffman Trees.
S.Kalaiarasi	Iterative Improvement: The Simplex Method
Dr. T.Sethukkarasi,Prof/CSE, RMKCE	The Maximum-Flow Problem
R.Durga	Maximum matching in bipartite Graphs
Mr.R.Thiyagarajan	The Stable marriage Problem
Dr. G.Manikandan, Prof&Head/IT, Loyola Inst.of Technology	Limitations of Algorithm Power-Lower-Bound Arguments
Dr.P.Chitra	Decision Trees-P, NP and NP Complete Problems--
Dr.S.K. Srivatsa	Traveling Salesman problem, Knapsack problem

P.Anuradha	Branch and Bound – Assignment problem – Knapsack Problem – Traveling Salesman Problem
R.Durga	Coping with the Limitations - Backtracking – n-Queens problem
Dr. M.P.Sivaram Kumar	Approximation Algorithms for NP Hard Problems-TSP-Knapsack problem



# Inauguration







# **PRATHYUSHA ENGINEERING COLLEGE**

## **Workshop on Data analytics using R**

**Date : 11.01.2016**





## Participants Certificate



PRATHYUSHA ENGINEERING COLLEGE  
Department of Information Technology



*Certificate of Participation*

This is to certify that Dr./Mr./Ms. J. Omada, ASSISTANT PROFESSOR, IIT  
of PRATHYUSHA ENGINEERING COLLEGE

has attended workshop on "Data Analytics using R"  
held on 11th January 2016 at Prathyusha Engineering College, Thiruvallur.

  
Convenor

  
H.O.D.

  
Vice Principal

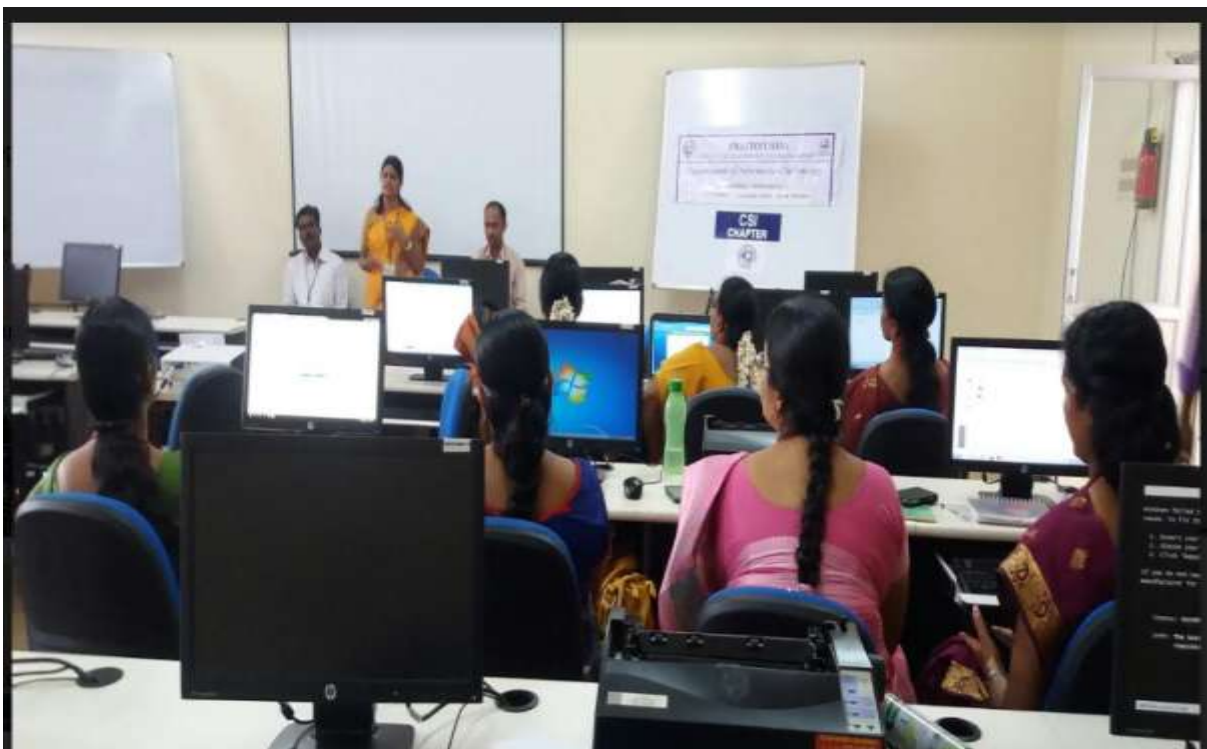
  
Principal

# CCNA: Introduction to network, Routing and switches

Date : 12/01/2016

Coordinators : Mr.Jayakumar /IT & Mr.Subbarayudu /IT





## PARTICIPANT CERTIFICATE



From  
R. Kannamma  
Asst. Prof II /CSE  
PITAM

TO  
The Principal  
PITAM

Respected Madam,

**Sub: Requesting permission to organize "FDP on Android based Mobile Application development @ PITAM" – Reg.**

The PITAM FOSS club of computer science and engineering department is proposed to conduct Faculty development programme on Android Based Mobile Application development for the beneficiary of faculties of CSE & IT on the first week of the January 2016.

In this regard, I kindly request you to provide permission to organize the above proposed FDP and to sanction an amount of Rs.7600/- for its expenses, the detailed budget for the amount is enclosed.

Thanking You,

Yours faithfully,

R. Kannamma

Submitted to Principal  
V-R-K  
31.12.15

Jorethi  
[Signature]

[Signature]  
21/12/15

Rs 7600/-

31.12.2015

From

Ms. R. Kannamma

Asst.Prof. II / CSE Dept.

PITAM.

To

The Principal

PITAM.

Respected Madam,

Sub: Requisition of food for chief guests of FDP – reg.

The PITAM FOSS club of computer science and engineering department is proposed to conduct Faculty development programme on Android Based Mobile Application development for the beneficiary of faculties of CSE & IT on the first week of the January 2016.

In this regard, I kindly request you to provide food for the resource persons of Griffin Infosystems Pvt Ltd on 4<sup>th</sup> and 5<sup>th</sup> January 2016 for the above mentioned. The details are as follows,

Break Fast – 8.00 a.m.	5 Nos.	Mess hall
Snacks   10.30 a.m.   3.00 P.M	5 Nos.	Mega Lab
Lunch - 12.00 p.m.	5 Nos.	Mess hall

Thanking you,

Yours faithfully,

*R. Kannamma*

R. Kannamma

CSE Dept.

*Submitted to Principal  
V.R.K. 31-12-15*

*Principal*

**PRATHYUSHA ENGINEERING COLLEGE**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**REPORT ON FACULTY DEVELOPMENT PROGRAM**

on

**ANDROID BASED MOBILE APPLICATION DEVELOPMENT**

*Venue: Mega Lab, Prathyusha Engineering College*

*4<sup>th</sup> Jan 2016 to 10<sup>th</sup> Jan 2016*

The PEC FOSS Club and Department of computer science and engineering have organized 7 days Faculty Development Programme on Mobile Application Development on Android from 4<sup>th</sup> Jan 2016 to 10<sup>th</sup> Jan 2016. The event witnesses an active participation of 40 faculty members from the Department of Computer Science and Engineering and Information Technology. Griffin Infosystem at Chennai has successfully conducted the two days sessions on Android Mobile Application Development organized by us in our premises.

This FDP was very well received by us for its highly practiced based sessions. The following concepts were delivered as Introduction of Android Layouts, Event Listener, Event Managers, Basic Android Applications, Basic Calculator, and Database Connectivity with different Demos and Hands on sessions and doubt clearing sessions.

Through the FDP, We were able to

- Build basic Android Application
- Explain the difference between Android and other Mobile Development Environments
- Understand how Android applications work
- Take advantage of Android's APIs for data storage, retrieval, user preferences, files, databases, and content providers
- Utilize the power of background services, threads, and notifications
- Deploy Android Application

We express our thanks to our Management and Griffin Systems, Infosystem for giving this platform to learn and explore.

**PRATHYUSHA ENGINEERING COLLEGE**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**FACULTY DEVELOPMENT PROGRAMME**

on

**MOBILE APPLICATION DEVELOPMENT ON ANDROID**

*Venue: Mega Lab, Prathyusha Engineering College*

*4<sup>th</sup> Jan 2016 to 10<sup>th</sup> Jan 2016*







**PRATHYUSHA  
ENGINEERING COLLEGE**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Organizes

**Faculty Development Programme**

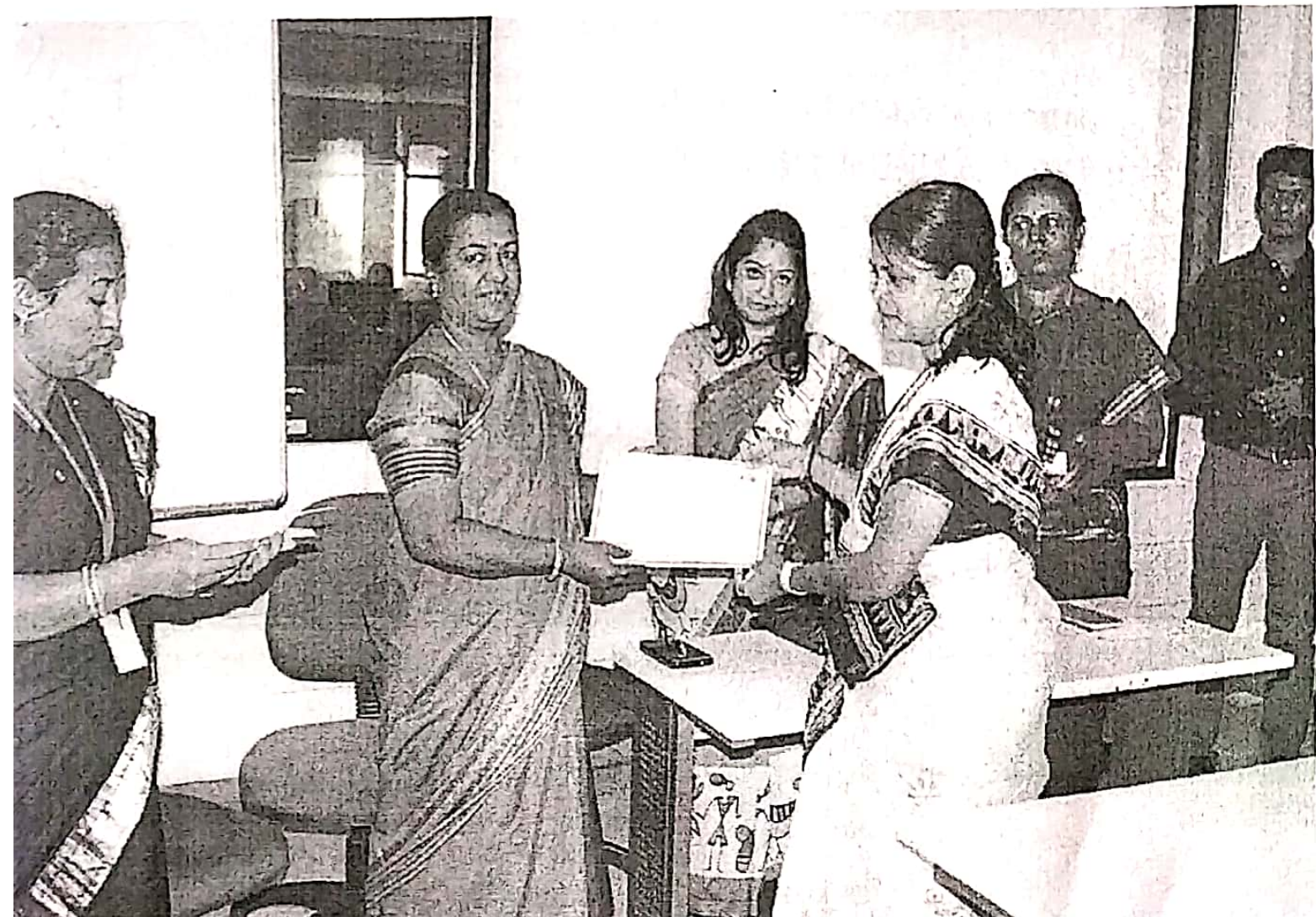
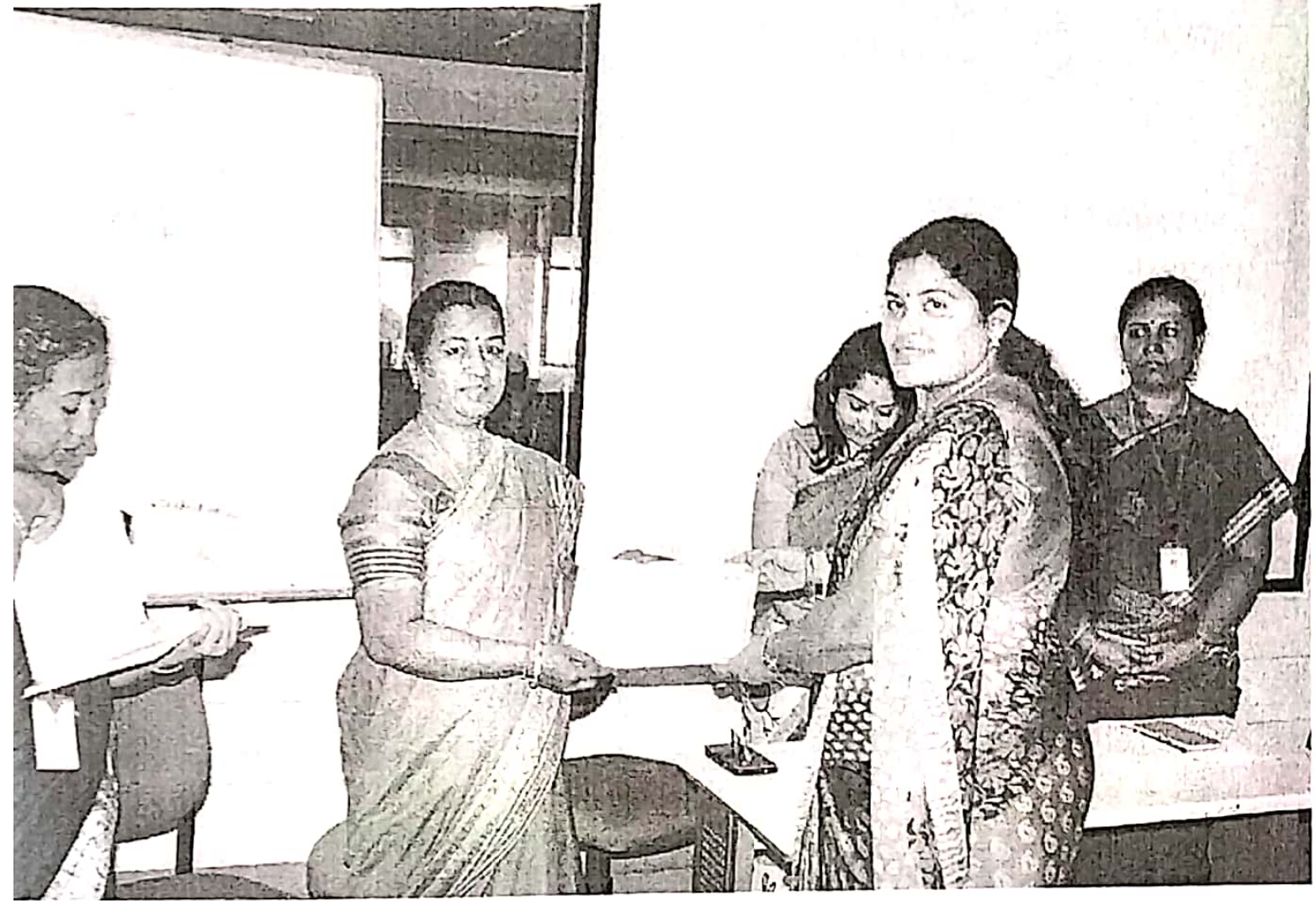
on

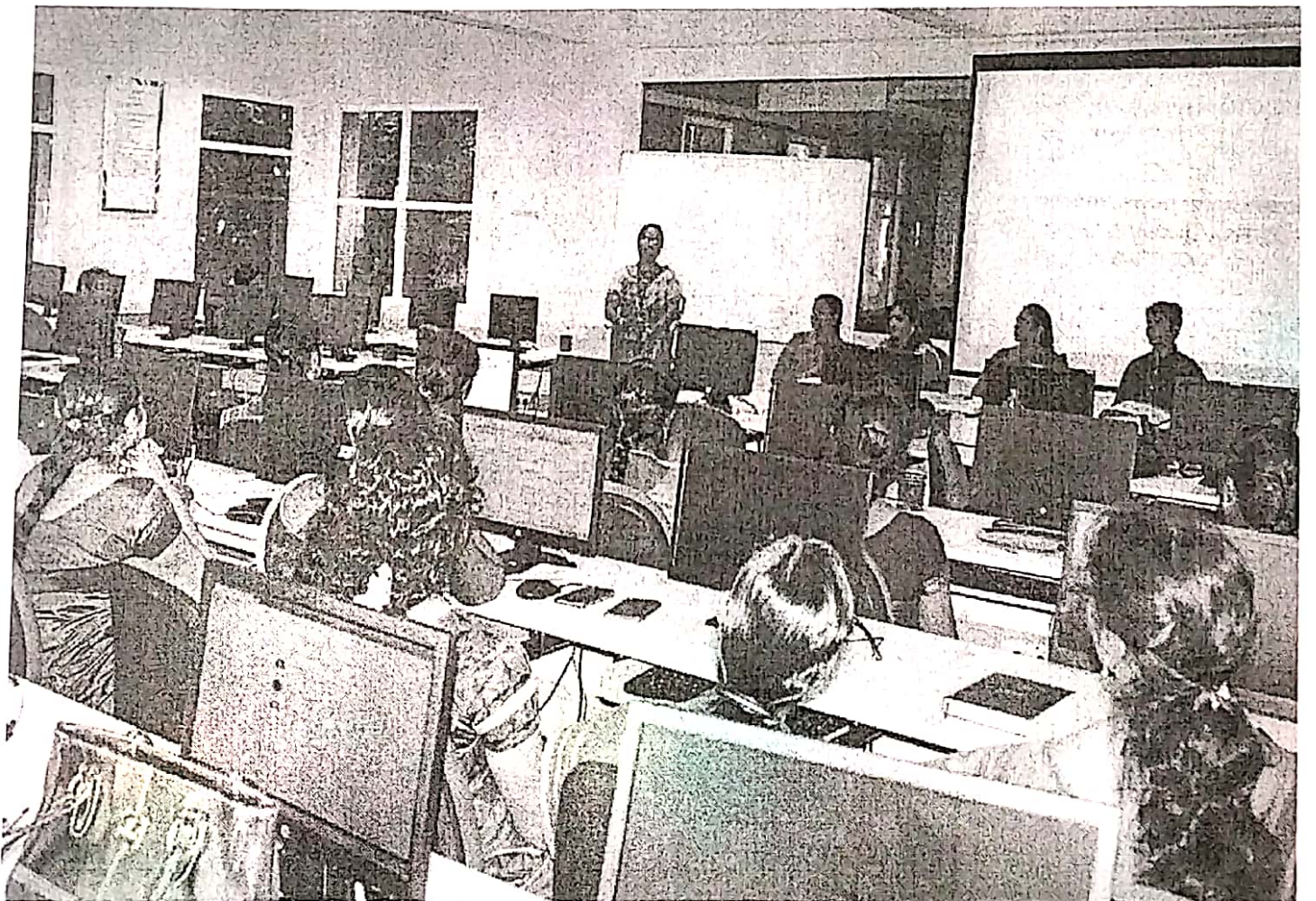
***"Android Based Mobile Application  
Development"***

**04.01.2016 - 10.01.2016**

in association with

**Griffin Infosystems Pvt.Ltd  
Chennai**





MOBILE APPLICATION DEVELOPMENT  
ACADEMIC YEAR 2015-2016  
ATTENDANCE SHEET

S.NO	NAME WITH DESIGNATION	DEPARTMENT	4.1.2016		5.1.2016		6.1.2016		7.1.2016		8.1.2016		9.1.2016		10.1.2016	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	B. S. KIYA / AP.	IT	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
2	P. ANURADHA / AP-I	IT	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA
3	R. DURGA / AP-I	IT	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
4	V. Valarmala	IT	W	W	W	W	W	W	W	W	W	W	W	W	W	W
5	M.D. BOOMIA	IT	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
6	M. UMA DEVI / AP-II	IT	W	W	W	W	W	W	W	W	W	W	W	W	W	W
7	A. SUBBARAYUDU / AP-I	IT	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
8	I. HOTTAN	IT	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB

PRATHYUSHA ENGINEERING COLLEGE  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
SEVEN DAYS FACULTY DEVELOPMENT PROGRAMME ON  
"MOBILE APPLICATION DEVELOPMENT"

4<sup>TH</sup> JANUARY - 10<sup>TH</sup> JANUARY 2016

FEEDBACK FORM

NAME OF THE PARTICIPANT: Dr. P. CHITRA

DESIGNATION: Professor & Head, IT

COLLEGE: PEC

CONTACT NUMBER: 9840167844.

E-MAIL ID: pchitra.cse@prathyusha.edu.in

FEEDBACK OF THE PROGRAMME:

Very useful sessions.



PRATHYUSHA ENGINEERING COLLEGE  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
SEVEN DAYS FACULTY DEVELOPMENT PROGRAMME ON  
"MOBILE APPLICATION DEVELOPMENT"  
4<sup>TH</sup> JANUARY - 10<sup>TH</sup> JANUARY 2016  
FEEDBACK FORM

NAME OF THE PARTICIPANT: N.VEERAPANDIAN  
DESIGNATION: A P I  
COLLEGE: PRATHYUSHA ENGG. COLLEGE  
CONTACT NUMBER: 9600115755  
E-MAIL ID: nrveera@gmail.com.

FEEDBACK OF THE PROGRAMME:

Good. I understand the basic of  
Android APP development.

**PRATHYUSHA ENGINEERING COLLEGE**

**DEPARTMENT OF ECE**

**TRAINING REPORT ON “Network Simulation tools”**

**Date: 10/02/2016 & 11/02/ 2016**

We would like to express our thanks to Management and Principal of Prathyusha Engineering College in order to given a permission to attend the training on “Network Simulation Tools” dated 10/02/2016&11/02/2016.

The inaugural ceremony was headed by Dr.G.Kavya, Head of the department and she delivered the inaugural address where she elaborated the need of this training. Dr.Senthil, Asso. Profesor, elaborated an overview of Network Simulation tools. He explained about the simulator is a software that predicts the behavior of a computer network. Communication networks have become too complex for traditional analytical methods to provide an accurate understanding of system behavior, network simulators are used. In simulators, the computer network is modeled with devices, links, applications etc.

Hands on session was handled during afternoon session taken by Dr.Vijayalakshmi, Asso. Professor. She guided the participants to install NS2 software. Simulators come with support for the most popular technologies and networks in use today such as Wireless LANs, mobile ad hoc networks, wireless sensor networks, vehicular ad hoc networks, cognitive radio networks, LTE etc.

The following topics covered are

- Hands on training on Installation of NS2 software
- TCL scripting
- Graph generation using AWK script & trace file analysis
- Case study on wired networks: Routing, Congestion control and Queue management

The second day session was handled by Dr.Vijayalakshmi, Asso.Prof. taught various case studies. The participants were able to implement for various case studies. The knowledge was imparted to the students thereby it would be helpful to do their projects as well as to meet their industry needs.





Training on "Network Simulation Tools" on 10/02/2016



Hands on training session for "Network Simulation Tools" on 11/02/2016

*Handwritten signature*



# PRATHYUSHA ENGINEERING COLLEGE

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION

### Feedback – Network Simulation tools

Date: 10.02.2016 & 11.02.2016

S.No	Content	Rate 1	Rate 2	Rate 3	Rate 4	Rate 5
1.	How useful was the information presented in this session?					✓
2.	How would you rate these speakers?					✓
3.	Did the session improve your understanding of the topic?					✓
4.	Was there enough time for questions and discussion?					✓
5.	Do you have any other comments about this session?	Wearnt how to use N/w Simulation tools.				

Rate 1 – Very poor

Rate 2 – Poor

Rate 3 – Fair

Rate 4 – Good

Rate 5 – Excellent

E. Df  
Signature

# PRATHYUSHA ENGINEERING COLLEGE

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION

### Feedback – Network Simulation tools

Date: 10.02.2016 & 11.02.2016

S.No	Content	Rate 1	Rate 2	Rate 3	Rate 4	Rate 5
1.	How useful was the information presented in this session?					✓
2.	How would you rate these speakers?					✓
3.	Did the session improve your understanding of the topic?					✓
4.	Was there enough time for questions and discussion?					✓
5.	Do you have any other comments about this session?	Nice...				

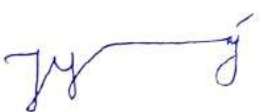
Rate 1 – Very poor

Rate 2 – Poor

Rate 3 – Fair

Rate 4 – Good

Rate 5 – Excellent

  
Signature



# PRATHYUSHA ENGINEERING COLLEGE



## AEEICB - 2016 2<sup>nd</sup> IEEE International Conference

on

Advances in Electrical, Electronics, Information,  
Communication & Bio-Informatics

27<sup>th</sup> & 28<sup>th</sup> February, 2016

Sponsored by IEEE

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### Knowledge Partners



The Management, Faculty and Students of

# **PRATHYUSHA ENGINEERING COLLEGE**

Most Cordially invite you to the

Inaugural function of

## **AEEICB - 2016**

**2<sup>nd</sup> IEEE International Conference on**

**ADVANCES IN ELECTRICAL, ELECTRONICS, INFORMATION,  
COMMUNICATION AND BIO-INFORMATICS**

at 10.00 a.m. on Saturday, 27<sup>th</sup> February 2016 at PEC Auditorium

### **Mr. V.S. PRAKASH ATILI**

Principal, Head-Education & Training Division of Infosys, Chennai- STP

has kindly consented to be the Chief Guest and deliver the Inaugural address

### **Mr. MIKEL GABINA JIMENEZ**

Chair, Materials & Process Engineer Tech., GAMESA, Spain

will deliver keynote address

### **Mr. SANTHOSH THOMAS**

Global Hybrid Cloud Architect, IBM Global Technology Service, Chennai

will deliver the special address

### **Shri. P. RAJA RAO**

Chairman, Prathyusha Group of Companies

will preside over the function

**Dr. V.Thulasi Bai**  
**VICE-PRINCIPAL**

**Dr. P.M.Beulah Devamalar**  
**PRINCIPAL**

The Management, Faculty and Students of

# **PRATHYUSHA ENGINEERING COLLEGE**

Most Cordially invite you to the

Valedictory function of

## **AEEICB - 2016**

**2<sup>nd</sup> IEEE International Conference on**

**ADVANCES IN ELECTRICAL, ELECTRONICS, INFORMATION,  
COMMUNICATION AND BIO-INFORMATICS**

at 3.00 p.m. on Sunday, 28<sup>th</sup> February 2016 at PEC Auditorium

**Mrs. HEMA GOPAL**

Vice President, TATA Consultancy Services, Chennai

has kindly consented to be the Chief Guest and deliver valedictory address

**Dr. G. GIRIDHAR**

Deputy Director General / Head - Solar Radiation Resource Assessment  
Ministry of New & Renewable Energy, Govt. of India, Chennai

will deliver the keynote address

**Dr. JEYRAJ SELVARAJ**

Associate Professor, UM Power Energy Dedicated Advanced Centre  
University of Malaya, Kuala Lumpur, Malaysia

will deliver the special address

**Smt. P.Prathyusha**  
CEO, PEC

**Shri. P.Raja Rao**  
CHAIRMAN, PEC

## PROGRAMME SCHEDULE

<b>27.02.2016</b>	<b>09.00 a.m. – 10.00 a.m.</b>	<b>Registration</b>
<b>27.02.2016</b>	<b>10.00 a.m. – 11.00 a.m.</b>	<b>Inaugural Function</b>
<b>27.02.2016</b>	<b>01.30.p.m. – 04.30 p.m.</b>	<b>Invited Talks &amp; Paper Presentation</b>
<b>28.02.2016</b>	<b>09.00 a.m. – 12.30 p.m.</b>	<b>Invited Talks &amp; Paper Presentation</b>
<b>28.02.2016</b>	<b>03.00 p.m.</b>	<b>Valedictory Function</b>

### INVITED TALKS / PAPER PRESENTATION

Session	Guest / Chair	Topic	Date & Time	Venue
1	<b>Dr. T.Thyagarajan</b> Director, CUIC, Anna University, Chennai	Research Methodology	28.02.2016 9.00 a.m.	PEC Seminar Hall
2	<b>Dr.Jeyraj Selvaraj,</b> Associate Professor, UMPEDDAC University of Malaysia, Kuala Lumpur	Renewable Energy Scenario in Malaysia & Transformerless Grid Connected Photovoltaic inverters.	28.02.2016 1.30 p.m.	PEC Auditorium
3	<b>Mr. MIKEL GABINA JIMENEZ</b> Chair, Materials & Process Engineer Tech., Spain	Wind Turbine Technology	27.02.2016 11.30 a.m.	PEC Auditorium
4	<b>Dr.Saravanan</b> Group Manager, Caterpillar India Pvt Ltd, Tiruvallur	Power Quality – Lower Power Train	27.02.2016 1.30 p.m.	NI Lab, Collaboration Building
5	<b>Mr.A.Santhoskumar</b> Assistant General Manager(R&D), ALSTOM Pvt Ltd, Chennai	Recent Trend in High Voltage Engineering	27.02.2016 1.30 p.m.	NIWETAM Hall, Collaboration Building
6	<b>Dr. Swarna Ravindra Babu</b> Principal Engineer, Samsung India Software, Bangalore	Embedded Systems	27.02.2016 1.30 p.m.	AV Hall, MEGA Lab
7	<b>Dr. Tune Usha</b> Scientist -F, Integrated Coastal and Marine Area Management Project Directorate, Ministry of Earth Sciences, Chennai	Electronics and Instrumentation Engineering	27.02.2016 1.30 p.m.	Digital Lab, MEGA Lab
8	<b>Mr. Roy Antony Arnold G</b> Lead - Education and Research, Infosys Technologies Ltd, Chennai	Agile Methodologies / UXD	27.02.2016 1.30 p.m.	Adobe Lab, MEGA LAB
9	<b>Dr.P.Kumarasamy</b> Professor and Head, Dept. of Bioinformatics & ARIS Cell, Madras Veterinary College, Chennai	Opportunities in Biotechnologist	27.02.2016 1.30 p.m.	PEC Seminar Hall
10	<b>Dr.N.Kumarappan</b> Vice-Chair, IEEE Madras Section	Smart Grid – Revolutionizing Energy Future	28.02.2016 10.00 a.m.	NI Lab, Collaboration Building
11	<b>Dr.V.N.Mani</b> Scientist-E, Centre for Materials for Electronics Technology (C-MET), Hyderabad	Role of Semiconductors and VLSI Technology for Fabrication of Advanced Nano- Electronic materials and Devices for Select Space and Defense Applications – A bird's eye view	28.02.2016 10.00 a.m.	NIWETAM Hall, Collaboration Building
12	<b>Dr. V.Vydeki</b> IEEE - WIE, Chennai	Security for Wireless Networks	28.02.2016 10.00 a.m.	AV Hall, MEGA Lab
13	<b>Dr. V. Mariappan</b> Software Development Manager, Amazon Development Centre, Bangalore	Cloud Security	28.02.2016 10.00 a.m.	Adobe Lab, MEGA LAB
14	<b>Dr. T.V.Vedhantha Desigan</b> Assistant Vice-President, Polaris Financial Technology Limited, Chennai	Internet of Things (IOT)	28.02.2016 10.00 a.m.	Microsoft Lab, MEGA Lab

## PRATHYUSHA ENGINEERING COLLEGE

Poonamallee – Thiruvallur High Road, Aranvoyaluppam, Thiruvallur – 607 303



ADVANCES IN ELECTRICAL, ELECTRONICS, INFORMATION, COMMUNICATION AND  
BIOINFORMATICS-2016 (AEEICB - 2016)

Date: 27.02.16

Session: AN(1.30 pm- 4.30 pm)

Track: EEE

Area: Renewable energy/Power electronics & drives

**Track1: Advances in power energy and control** (Venue –NI Lab view Hall (collaboration building))

S.No	Paper ID	Title	Author	College
1.	2	Self cleaning and tracking solar photovoltaic panel for improving efficiency	Abhilash Bandam and Ashish Panchal	Indian Institute of Technology, Bombay Sardar Vallabhbhai National Institute of Technology, surat
2.	42	STATCOM With PI Controller for Asymmetric Grid Fault Ride of Fixed Speed Induction Generator Wind Farm	Manjushree Phadnaik and Rajani Hardas	P.E.S.Modern College Of Engineering, Pune
3.	45	Non-Cascading Converter: Analysis, Modeling and Control	Sunil Kumar K. P. S. Rana Vineet Kumar	NetajjiSubhas Institute of Technology Dwarka, New Delhi
4.	49	Study of Shunt Active filter using MATLAB tools environment	Shivam Singh Rajput Prof. SumitaChakraborty	MSCET,Surat
5.	98	A Standalone Solar Photovoltaic Power Generation System with Automated Bidirectional Battery Charging Discharging Control	Arghyadip Bhattacharya	NIT Agartala
6.	111	A hybrid approach to charge mobile phone battery by sound energy	VikramSrivastava AdityaSriram	SRM university
7.	117	Improved Scalar Controller Based Four Leg Inverter For Two 3-Phase Induction Motor Drives	Alok Ranjan and Sanjay S. Dhamse	Government College of Engineering, Aurangabad, Maharashtra
8.	233	A Solar PV System for ATM by using Buck-Boost Integrated Full Bridge Inverter	R.R.Todkar	Government College of Engineering, Aurangabad
9.	235	Performance Analysis of MVAC and MVDC Offshore Wind Farm Distribution System Using Direct Load Flow Method	Botta Ravi, SanketRaval, Venkata Rama RajuRudraraju	PDPU,India
10.	322	Elevating the Efficiency of the Solar G2GPVT System by Inherent Cooling Method and Monitoring using LabVIEW	C.Jagathdarani	K.S. Rangasamy College of Technology, Namakkal
11.	331	Multiple-Integrated Converters for Grid-Connected PV Systems with Intermediate DC Loads	Aditya C and Dr. K Sundararaman	Sri venkateswara college of engineering
12.	344	Design Aspects and Performance Analysis of Inner and Outer Rotor Permanent Magnet Alternator for Direct Driven Low-Speed Wind Turbine	Md. Yeasin Arafat	Independent University, Bangladesh



ADVANCES IN ELECTRICAL, ELECTRONICS, INFORMATION, COMMUNICATION AND  
BIOINFORMATICS-2016 (AEEICB - 2016)

Date: 28.02.16

Session: FN(10.00 am-12.30 pm)

Track: EEE

Area: Renewable energy/Power electronics & drives

**Track1: Advances in power energy and control**(Venue –NI Lab view Hall (collaboration building))

S.No	Paper ID	Title	Author	College
1.	36	A comparison of transmission line voltage stability indices	P.Rajalakshmi Dr.M.Rathinakumar	SCSVMV University Kanchipuram.
2.	77	Analysis of Split Capacitor based DSTATCOM with LCL Filter using Instantaneous Symmetrical Components Theory	AdepuSateesh Kumar Dr. K.Prakash	Vaagdevi College of Engineering, Warangal, Telangana India
3.	164	Performance Improvement Of DFIG Fed Wind Energy Conversion System Using ANFIS Controller	Amit Kumar	School of Renewable Energy and Efficiency,NIT Kurukshetra
4.	167	PI tuning of Shunt Active Filter using GA and PSO algorithm	Gowtham N and Dr.Shobha Shankar	Vidyavardhaka College of Engineering
5.	170	Battery Model for Hybrid Electric Vehicle Corrected for Self-discharge and Internal Resistance	PrasanthPathiyil	Robert Bosch Engineering & Business Solutions Pvt. Ltd
6.	174	Environment Dispatch of Distributed Energy Resources in A Micro grid Using JAYA Algorithm	Indrajit N. Trivedi, Swati N. Purohit, PradeepJangir, Motilal T. Bhoje	GEC Gandhinagar Gujarat, India
7.	230	Analysis of Hybrid Systems : Software Tools	Prashant Kumar	Zeal College of Engineering and Research, Pune
8.	299	Identification of Voltage Quality problems under Different types of Sag/Swell Faults with Fast Fourier Transform Analysis	Devdas And Sushma	CMR Institute, JNTUH
9.	337	Design and Analysis of Synchronous Buck converter for UPS Application	Sreedhar Annamacharya	GITAM University, AP
10.	338	Analysis of various switch faults of the Three Level Neutral Point Clamped Inverter Feeding Induction Motor Drive	Y. Krishna Priya	Intell Engineering College, Ananthpur.





ADVANCES IN ELECTRICAL, ELECTRONICS, INFORMATION, COMMUNICATION AND  
BIOINFORMATICS-2016 (AEEICB - 2016)

Date: 27.02.16  
Track: EEE

Session: AN AN(1.30 pm- 4.30 pm)  
Area: Power Control Systems & machines

**Track1: Advances in power energy and control** (Niwetham Hall - collaboration building)

S.No	Paper ID	Title	Author	College
1.	15	An upgraded soft winding machines based on advanced yarn tension modeling	Eng. Mohamed Hassan Ali	Arab Academy for Science Technology and Maritime Transport-Egypt
2.	69	Multi carrier PWM and selective harmonic elimination technique for cascade multilevel inverter	Hemant Gupta, Arvind Yadav and Sanjay Maurya	GLA University
3.	118	The Role Of Dynamic Voltage Restorer(DVR) in Improving Power Quality	T AppalaNaidu	SVNIT Surat
4.	151	Developing of scalable SCADA in view of acquiring multi-protocol smart grid devices	R.M.J. Radhnayaka and K. D. M. U. Hemabala	University of Moratuwa
5.	178	Controlling Of the Micro grid Test Bed with an Automated Distribution System	H.W.D. Hettiarachchi, D.D.J.P. Dangalla, C.D. Yapa, D.J.M.G.D. Jayamaha, K.T.M.U. Hemapala	University of Moratuwa, Sri Lanka
6.	187	Voltage Stability Enhancement and Voltage Deviation Minimization Using Ant-Lion Optimizer Algorithm	Indrajit N. Trivedi, R. H. Bhesdadiya, PradeepJangir, Siddharth A. Parmar, Motilal T. Bhoje, NarottamJangir	GEC Gandhinagar Gujarat, India
7.	200	A modified approach to solution of Unit Commitment problem using Mendel's GA method	VinayArora SaurabhChanana	National Institute of Technology, Kurukshetra
8.	231	Multiple SVS System for Voltage Regulation byusing Direct Self Tuning Regulator	Rahul S.Ankushe	Government College of Engineering Aurangabad, Maharashtra
9.	312	Fault Detection and Mitigation in Cascaded MLI Fed EV	B.Madhu Kiran	PottiSriramulu Chalavadi MallikharjunaRao College, Vijayawada
10.	336	Comparative analysis of fixed and adaptive dc-link voltage control	Meera S Nair	AdiSankara Institute of Engineering and Technology, Kalady, Kerala
11.	153	Direct Torque and Flux control of Induction Machine using Fuzzy Logic controller	Sudheer Hanumanthakari, Kodad Sf and Sarvesh	JNTU Ananthapur, PES Inst. Of Tech. & Management, Shimoga,



PRATHYUSHA ENGINEERING COLLEGE



ADVANCES IN ELECTRICAL, ELECTRONICS, INFORMATION, COMMUNICATION AND  
BIOINFORMATICS-2016 (AEEICB - 2016)

Date: 28.02.16

Session: FN(10.00 am-12.30 pm)

Track: EEE

Area: Power Control Systems & machines

**Track1: Advances in power energy and control**(Niwetham Hall - collaboration building)

S.No	Paper id	Title	Author	College
1.	138	Performance analysis of VSC-MMC based hybrid HVDC transmission system	D.KrishnaChaitanya	GNIT
2.	144	A Comparative Study of Control Techniques of Distribution-STATCOM under Abnormal Source Voltage	Mohit Bajaj	DIT University, Dehradun- India
3.	149	An energy loss model based temperature estimation for Permanent Magnet Synchronous Motor (PMSM)	Dilshad.M.R, Ashok.S, Vishal Vijayan and Prasanth Pathiyil	R. M. J. Rathnayaka KTMU Hemapala
4.	163	Power system performances improvement by using static synchronous series compensator(SSSC)	Vaishali M. More	G.H.Raisoni College of Engg. Nagpur, Maharashtra, India
5.	201	Thermo-Optic Switch: Device Structure and Design	AmitPisal	Jampot Photonics Pvt. Ltd Pune
6.	221	CPLD Based FSK Modem for Narrowband Power Line Communication	Deepak Kumar Mishra	National Institute of Technology, Kurukshetra Haryana
7.	340	Control of Parallel DC-DC Converters in a DC Microgrid Using Virtual Output Impedance Method	Vinu Thomas, Kumaravel S and Ashok S	NIT Calicut
8.	345	Fuzzy Based Vector-PI Controller to Enhance Harmonics issue of a Distribution system Using Three Phase Hybrid Power Filter	SubhrachandanBehera	NIT,Patna
9.	400	Optimum Location of Superconducting Fault Current Limiter to Mitigate DG Impact	Amol A. Kalage, Nitin D. Ghawghawe, Tushar V. Deokar,	Sinhgad Institute of Technology Lonavala (MS)
10.	395	Automatic Dual-axis Solar Tracking system for Parabolic dish	PallaviN.Patil, M.A.Khandekar	College of Engineering Pune