

**2017 - 2018**

# **1. Genex 17**



ESTD. 2001

# PRATHYUSHA ENGINEERING COLLEGE

MT-12

## 1. GUEST PROFILE- NAME, EMAIL-ID, PHONE NUMBER, NAME OF THE INDUSTRY

S. No.	Invited Guests
1	<p><b>Mr.V.Subramanian,</b> <b>Director,</b> Synkromax Biotech Pvt. Ltd. Module No 26 – 31, SIDCO Multi Storeyed Complex, SIDCO Industrial Estate, Thirumazhisai, Chennai 600 124, TamilNadu, India</p> <p>E-mail: subbu@smbpl.com, Mobile :+919003403765</p>
2	<p><b>Mr. C.V. Seshadri,</b> <b>Managing Director,</b> Synkromax Biotech Pvt. Ltd. Module No 26 – 31, SIDCO Multi-Storeyed Complex SIDCO Industrial Estate, Thirumazhisai Chennai 600 124</p> <p>E-mail: cvseshadri@yahoo.com Mobile:+91-87545 03610</p>
3	<p><b>Dr. S. Narendar Sivasamy,</b> <b>Director (Technical),</b> Synkromax Biotech Pvt. Ltd. SIDCO Multi-Storey Complex, SIDCO Industrial Estate Thirumazhisai, Chennai 600 124, India</p> <p>Mobile : +91 99520 91621</p>



## PROFILE OF V SUBRAMANIAN



### DIRECTOR

#### SYNKROMAX BIOTECH PRIVATE LIMITED

Module No 26 – 31, SIDCO Multi-Storeyed Complex, SIDCO Industrial Estate  
Thirumazhisai, Chennai 600 124, TamilNadu, India

E-mail: [subbu@smbpl.com](mailto:subbu@smbpl.com), Mobile :+91-900 340 3765

### QUALIFICATION

M.Sc., (Microbiology)

MBA (Management)

### PROFESSIONAL EXPERIENCE

- 15 years of Production and Projects. (SPIC Pharma, / J.K.Pharma, India / Aurobindo Pharma, China).
- Commissioning of Pilot and manufacturing Plants.
- Exposure to USFDA requirements, Preparation of SOPs.
- Operation of Fermenters, Reactors and Filters.

### RESPONSIBILITIES

- Lead a team of Microbiologists, Engineers and Operators (Chinese persons) in Production dept.
- Day to day operation of Plant and Trouble shooting.
- Productivity improvement by better Colony Selection, Process / Plant Modifications.
- Co- ordination with Service departments for Maintenance for New Projects.
- Decrease in Power Consumption by optimization of Process Parameters.
- Optimizing the parameters to mass cultivate Penicillium chrysogenum on different cereals for the industrial inoculum preparation.
- Strain improvement of Penicillium chrysogenum by mutation and Protoplast fusion.
- Involved in the implementation of cGMP, GLP, ISO 9001:2000 and ISO 14001 (EHS) & OHSAS 18001 activities.
- Enzyme reaction ( 6-APA)-Free and immobilized enzyme-Purification and characterization of enzymes – Immobilization process and matrix development.
- Bioconversion Studies and proficient in Molecular Biology techniques.

#### Production Experience: SPIC Pharma, Penicillin-G production Unit, Cuddalore. (USFDA PLANT)

- Optimizing the parameters to produce spore production of Penicillium chrysogenum on the rice grain for the industrial inoculums preparation.
- Carrying out sterility tests- Strain mutation and genetic improvement.
- Process optimization in Penicillin- G production in Pilot fermenters ( 1000L, 500L, 200L, 70L & 50L)
- Involved in the implementation of cGMP, GLP and USFDA activities.



PROFILE OF  
**C V SESHADRI**

**MANAGING DIRECTOR**  
**SYNKROMAX BIOTECH PRIVATE LIMITED**  
Module No 26 – 31, SIDCO Multi-Storeyed Complex  
SIDCO Industrial Estate, Thirumazhisai  
Chennai 600 124  
E-mail: cvseshadri@yahoo.com  
Mobile: +91-87545 03610

**QUALIFICATION**  
M.Sc. (Chemistry)  
MBA (Marketing)

**EXPERIENCE**  
More than three decades of professional experience in Pharmaceutical /  
Biotechnology / Chemical Industries

**1979 – 1994 GLAXO SMITH KLINE, INDIA**  
Zonal Sales Manager (South & West)  
Held different positions in various Departments, viz, Sales / Marketing / Business  
Development, in Corporate Office and all over India  
Also heading Formulations / Chemical Divisions

**1994 – 2004 J K PHARMACHEM, INDIA**  
General Manager  
Heading Commercial / Business Development Departments  
Technology Sourcing

**2004 – 2005 APL CHEMINATURA, INDIA**  
(Subsidiary of Aurobindo Pharma)  
Managing Director  
Global Sourcing  
Third Party Manufacturing  
International Trading etc

**2005 – 2011 AUROBINDO PHARMA, CHINA**  
Chief Executive Officer  
Handling complicated fermentation processes



Curriculum Vitae (Brief)  
**S NARENDAR SIVASWAMY**  
Mobile : +91 99520 91621

Current Position (Since 2009)	Director (Technical) <b>SYNKROMAX BIOTECH PVT LTD</b> SIDCO Multi-Storey Complex, SIDCO Industrial Estate Thirumazhisai, <u>Chennai 600 124</u> , India
Job Responsibilities	(a) Designing/Setting up/Commissioning of Manufacturing Unit (b) Designing/Commissioning of fermentors/reactors (b) Formulation of Industrial Enzymes (c) Bioproducts / Biofuels / Nutraceutical / Probiotics
Educational Qualification	B Sc (Botany), Pachaiyappa's College, Chennai (1976) M Sc (Botany), Pachaiyappa's College, Chennai (1978) Ph D (Botany), CAS in Botany, Univ of Madras (1982) PDF, CAS in Botany, Univ of Madras (1982-1984)
Additional Qualification	MA (History) PG Diploma in Business Administration PG Diploma in Applied Psychology
Experience	Thirty Five (35) years of industrial experience in Setting up of manufacturing units / laboratories, Fermentation, Industrial Enzymes, Antibiotics, Formulations, Bioprocessing, Bioproducts, Biotransformation etc
Work Experience	2008-2009: Business Head, Operon Biotech Pvt Ltd, Chennai 2007-2008: Sr VP, Sven Genetech Limited, Hyderabad 2004-2007: GM, Tex Biosciences Limited, Chennai 2002-2004: GM, J K Pharmachem Limited, Cuddalore 2000-2002: Consultant (Bioproducts), Chennai 1991-2000: VP(Tech), Esvin Biosys International Ltd Chennai 1987-1991 : Res Asso, Cancer Institute, Chennai 1984-1987 : Res Asso, Zoological Survey of India, Chennai
Countries Visited	Iran, Australia, Singapore, Thailand, Indonesia, Malaysia, Sri Lanka
Patent	Two (2), India
Publication	Published 64 research papers in national/international journals
Member (Board of Studies)	University of Madras, Chennai Bharathidasan University, Tiruchirappalli
Award/Honour	College First Rank in B Sc College Second Rank in M Sc





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# PRATHYUSHA ENGINEERING COLLEGE

## 2. NO. OF TECHNICAL EVENTS

S. No.	Name of the Technical event
i.	Paper presentation
ii.	Pitch It
iii.	Inquest
iv.	Bioinfocia
v.	Nature Engineer
Total	5 Events





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## i. Paper presentation: The innovators caravan

### Objective:

- To provide a platform for young scholars to present their research work.
- To discuss and demonstrate the cornerstone of their work.
- To speculate the desired outcomes and applications in future.

### Description:

We are still climbing the Kardashev scale. The world is just beginning to unfold in more ways than one. There is more to come.

### Rules and regulation:

1. Selection is based on novelty and no plagiarism will be tolerated.
2. Review papers are a big no-go.
3. Abstracts are expected to have proper font, alignment and to follow the template prescribed.
4. A maximum of 3 participants per team, the time duration for each presentation being 5 to 7 minutes.
5. The Jury's decision is final.

## ii. Pitch IT:

### Objective:

- To encourage students with entrepreneurial attitude to come to the limelight.
- To provide the possible support to translate their dreams to reality.

### Description:

If you don't work on your dream, someone else will hire you to work on theirs. Trust your instincts and build the empire of your dreams.

### Rules and regulation:

1. The participant is expected to present the idea, with a model if possible.
2. The Jury's decision is final.



**Objective:** iii. **Inquest:**

- To test the forensic science techniques and detective skills of the participants.
- To evaluate and propagate problem solving skills of the participants.
- To enable the participants to master the science of coding and decoding.

**Description:**

The walls have eyes and no one goes scott-free. Bring out the Sherlock Holmes and Hercule Pilot in you.

**Rules and regulation:**

1. A Maximum of 2 participants per team.
2. Electronic gadgets are strictly not allowed.
3. The Jury's decision is final.

**Objective:** iv. **Bioinfocia:**

- To evaluate the skills in field on Bioinformatics
- To enable the participants to know the importance of the bioinformatics in advance biology

**Rules and regulation:**

1. A Maximum of 2 participants per team.
2. Electronic gadgets are strictly not allowed.
3. The Jury's decision is final.

v. **Nature Engineer:****Objective:**

To kindle the innovative designing capacity from different natural sources.  
To enhance the different perspectives of thinking in the engineering fields.

**Description:**

Nature Engineer - The Trend Setters. One who has a keen eye for observation will emerge as a successful innovator, for they understands the power of the simplicity in an idea.

**Rules and regulation:**

1. No Gadgets are permitted. On-spot innovation is the goal.
2. Only 2 participants per team.
3. A Maximum of 15 minutes for major musings and 5 minutes for presentations.





# PRATHYUSHA ENGINEERING COLLEGE

## 3. NO. OF NON TECHNICAL EVENTS

S. No.	Name of the Technical event
i.	Shipwreck
ii.	Word Affix
iii.	Crack Conc
Total	3 Events





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## i. Shipwreck:

Objective:

To bring out the best of the survival skills of the participants.

Strength of survival comes only with science, How well can u survive?

Description:

Caught in the middle of a storm is a great ship with the top 20 smart people found living on earth! Sadly there's only one life jacket and one who contribute the most to the earth will get to live by it! What if you made it to the ship? And what if you can't survive? Got all that it takes to play this game?

Rules and regulation:

1. Carry a lot of courage. Travel alone.
2. Get to know the people on the boat.
3. If you still don't know, minimal help on their history will be given after deducting some of your chances of getting the lifeboat.

## ii. Word Affix:

Objective:

To evaluate the understanding of the participants in the field of biology.

Description:

Get ready to get your gears whirring as we bring to you the ultimate game of connections. Only, you have a tinge of biology in it.

Rules and regulation:

1. No cell phones will be permitted. A selection round and two other rounds.

## iii. Crack Conc: Multi Tasking

Objective:

To test their concentration levels.

To check their stability and IQ levels

Description:

How well can you juggle between tasks without fumbling?

Rules and regulation:

1. Two minutes for each participants to complete their tasks.
2. 10 General knowledge(easy) questions , each carrying one mark.
3. Each puzzle carries five marks. Each buzzer carries five marks.
4. The one with the maximum score at the end of the game is declared the winner.





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## PRATHYUSHA ENGINEERING COLLEGE

### 4. MAXIMUM PRIZE MONEY- FIRST PLACE-NAME OF THE EVENT

Maximum Prize money – First place - Rs. 1500 /- for Paper presentation

S. No.	Name of the Technical event	I	II	III
i.	Paper presentation	Rs. 1500 /-	Rs. 1000 /-	Rs. 500 /-
ii.	Pitch It	Rs. 1000 /-	Rs. 750 /-	
iii.	Inquest	Rs. 1000 /-	Rs. 750 /-	
iv.	Bioinfocia	Rs. 1000 /-	Rs. 750 /-	
v.	Nature Engineer	Rs. 1000 /-	Rs. 750 /-	
Total		Rs. 5500 /-	Rs. 4000 /-	Rs. 500 /-
Grand Total		Rs. 10000 /-		





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prathyusha.edu

1:50

## 5. MINIMUM PRIZE MONEY- FIRST PLACE- NAME OF THE EVENT

Minimum prize money – first place – Rs. 750 /- for all non technical events

S. No.	Name of the Technical event	I	II	III
i.	Shipwreck	Rs. 750 /-	Rs. 500 /-	-
ii.	Word Affix	Rs. 750 /-	Rs. 500 /-	-
iii.	Crack Conc.	Rs. 750 /-	Rs. 500 /-	-
Total		Rs. 2250 /-	Rs. 1500 /-	-
Grand Total		Rs. 3750 /-		





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# PRATHYUSHA ENGINEERING COLLEGE

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## 6. TECHNICAL CLUB CONTRIBUTION TO SYMPOSIUM- NAMES OF TECHNICAL CLUBS- NAME OF THE EVENT

**NAMES OF TECHNICAL CLUBS:** Bioinfo tech Club

**NAME OF THE EVENT:** Bioinfocia

### Bioinfocia:

Objective:

- To evaluate the skills in field on Bioinformatics
- To enable the participants to know the importance of the bioinformatics in advance biology

Rules and regulation:

- A Maximum of 2 participants per team.
- Electronic gadgets are strictly not allowed.
- The Jury's decision is final.





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## PRATHYUSHA ENGINEERING COLLEGE

### 8. NO. OF COLLEGES VISITED

S. No.	Name of the College
1.	Dr.M.G.R university
2.	Jaya College of arts and science
3.	SRM university
4.	Aarupadai Veedu Institute Of Technology
5.	Veltech Hightech Dr.RR and Dr.SR Engg. college
6.	Karpagam university
7.	Sree Sastha Institute Of Engineering And Technology
8.	Vinayaka Missions University
9.	Jeppiaar engineering college
10.	Shree Ramkrishna Institute Of Computer Science And Applied Sciences
11.	RVS College of Arts and Science
12.	Sri Ramakrishna Engineering College
13.	Sri Venkateshwara college of Engineering
14.	PRIST University
15.	VIT University
16.	St. Josephs College of Engineering
17.	D. G. Vaishnava College
Total : 17 Colleges	





# PRATHYUSHA ENGINEERING COLLEGE

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## 10.NO. OF TEAMS PER COLLEGE

S. No.	Name of the College	Teams Per College
1.	Dr.M.G.R university	2
2.	Jaya College of arts and science	1
3.	SRM university	1
4.	Aarupadai Veedu Institute Of Technology	3
5.	Veltech Hightech Dr.RR and Dr.SR Engg. college	2
6.	Karpagam university	3
7.	Sree Sastha Institute Of Engineering And Technology	4
8.	Vinayaka Missions University	1
9.	Jeppiaar engineering college	1
10.	Shree Ramkrishna Institute Of Computer Science And Applied Sciences	1
11.	RVS College of Arts and Science	2
12.	Sri Ramakrishna Engineering College	2
13.	Sri Venkateshwara college of Engineering	1
14.	PRIST University	1
15.	VIT University	1
16.	St. Josephs College of Engineering	1
17.	D. G. Vaishnava College	1
Total : 17 Colleges		28 Teams



**Prize winners**

Type of event	Event name	Prize place	Prize winners	College	Prizes
<b>Technical Event</b>	Paper presentation	I	Vishnupriya, Kasthuri	Karpagam University	Rs. 1500/-, Memento and Certificate
		II	DilipKumar, Devishree	Sree sashtra Engineering college	Rs. 1000/-, Memento and Certificate
		III	Vishvanandh	RVS College\	Rs. 500/- Certificate
	Pitch it	I	Shankar dayal	Dr. MGR university	Rs. 1000/-, Memento and Certificate
		II	Karukuvel raja, R Vishvanand	RVS College	Rs. 750/-, Memento and Certificate
		III	Revan solomon	SRM University	Certificate
	Inquest	I	Srimathi V, Hariharan G	Veltech hightech Dr. RR and Dr. SR engg college	Rs. 1000/-, Memento and Certificate
		II	M Jayaraman, S Iniyar	Sree sashtra Engineering College	Rs. 750/-, Memento and Certificate
		III	Shankar Dayal, Revan soloman S	MGR University, SRM University	Certificate
	Bioinfocia	I	Koushik anand, Sankar S	Sree sashtra Engineering college	Rs. 1000/-, Memento and Certificate
		II	Vishnu Priya, Kasthuri	Karpagam	Rs. 750/-, Memento and Certificate
		III	Mahesh, Iniyar	Sree sashtra Engineering college	Certificate
	Nature engineer	I	N Susma	Prist engineering college	Rs. 1000/-, Memento and Certificate
		II	S Gopinath, V Karthick	Sree sashtra Engineering college	Rs. 750/-, Memento and Certificate
		III	Koushik anand, Sankar S	Sree sashtra Engineering college	Certificate
<b>Non technical event</b>	Shipwreck	I	Karukuvel raja	RVS College	Rs. 750/-, Memento and Certificate
		II	Nelofer ali	Sree sashtra Engineering college	Rs. 500/-, Memento and Certificate
		III	selvi markret	Madha engineering college	Certificate
	Word affix	I	Karthick U, S Gopinath	Sree sashtra Engineering college	Rs. 750/-, Memento and Certificate
		II	Revan solomon, Shanker	SRM University, Dr. MGR university	Rs. 500/-, Memento and Certificate
		III	M Jayaraman, S Iniyar	Sree sashtra Engineering college	Certificate
	Crack conc	I	R Vishvanand	Rathnavel college of arts and science	Rs. 750/-, Memento and Certificate
		II	Karthick U	Sree sashtra Engineering college	Rs. 500/-, Memento and Certificate
		III	D Shankar dayal	Dr. MGR university	Certificate





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# PRATHYUSHA ENGINEERING COLLEGE

## 17. PUBLICITY IN SOCIAL MEDIA- REACHES BEFORE AND AFTER PROGRAMME

### GENEX '17 FB Page

Facebook interface showing the GENEX '17 FB Page. The page is titled "GENEX '17" and displays recent promotions. The left sidebar lists various page metrics and sections. The main content area shows two promotions: an Event promotion and a Page promotion.

**Recent promotions on GeneX 2k17**

Promotion Type	Reach	Engagement	Cost
Event promotion: GeneX'17 - New Vistas in Biotechnology Friday 15 September 2017, 8:00 - 17:00	616	19	130.00
Page promotion: Introducing all life science students to our 12th	974	98	140.10

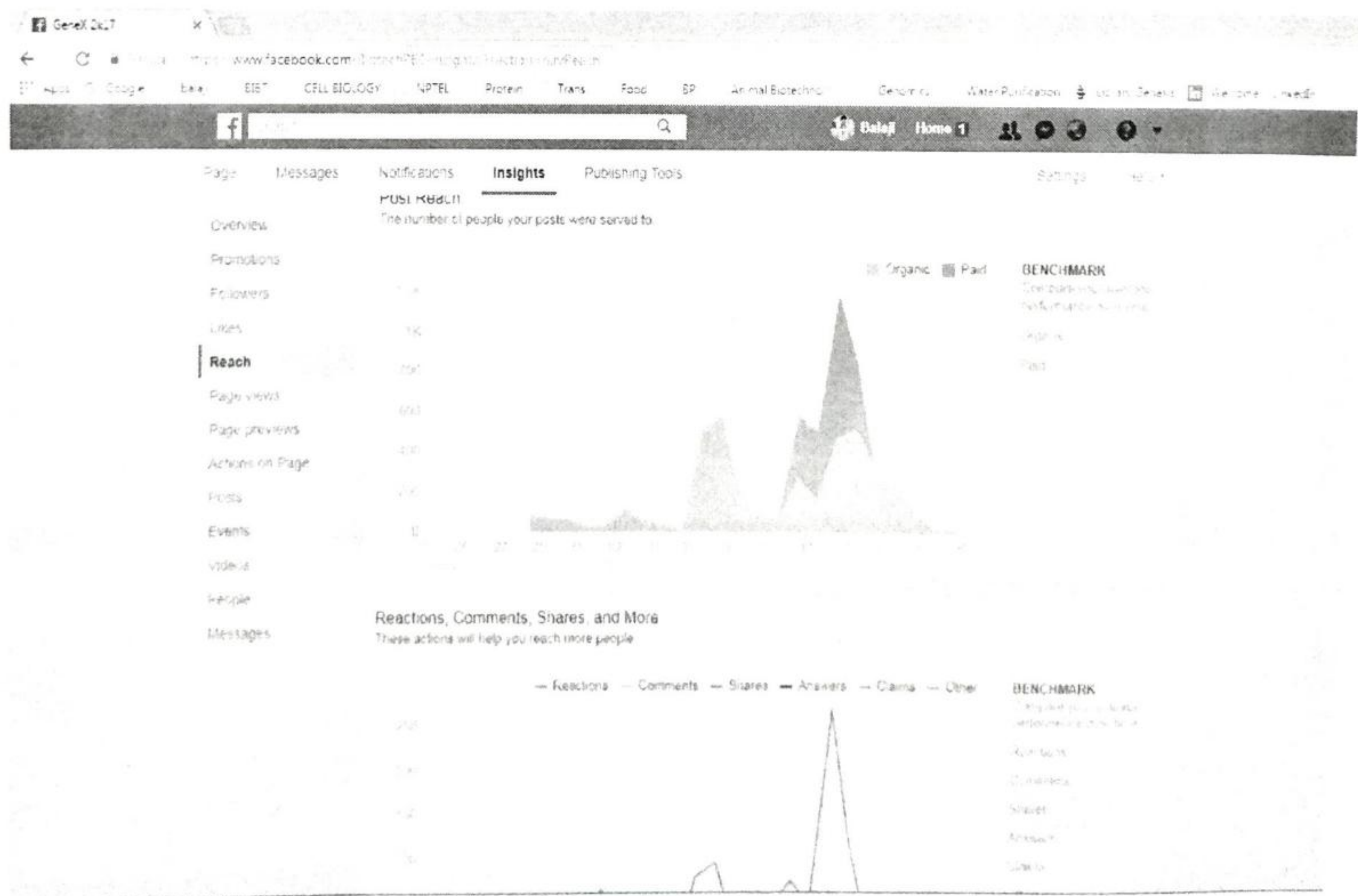
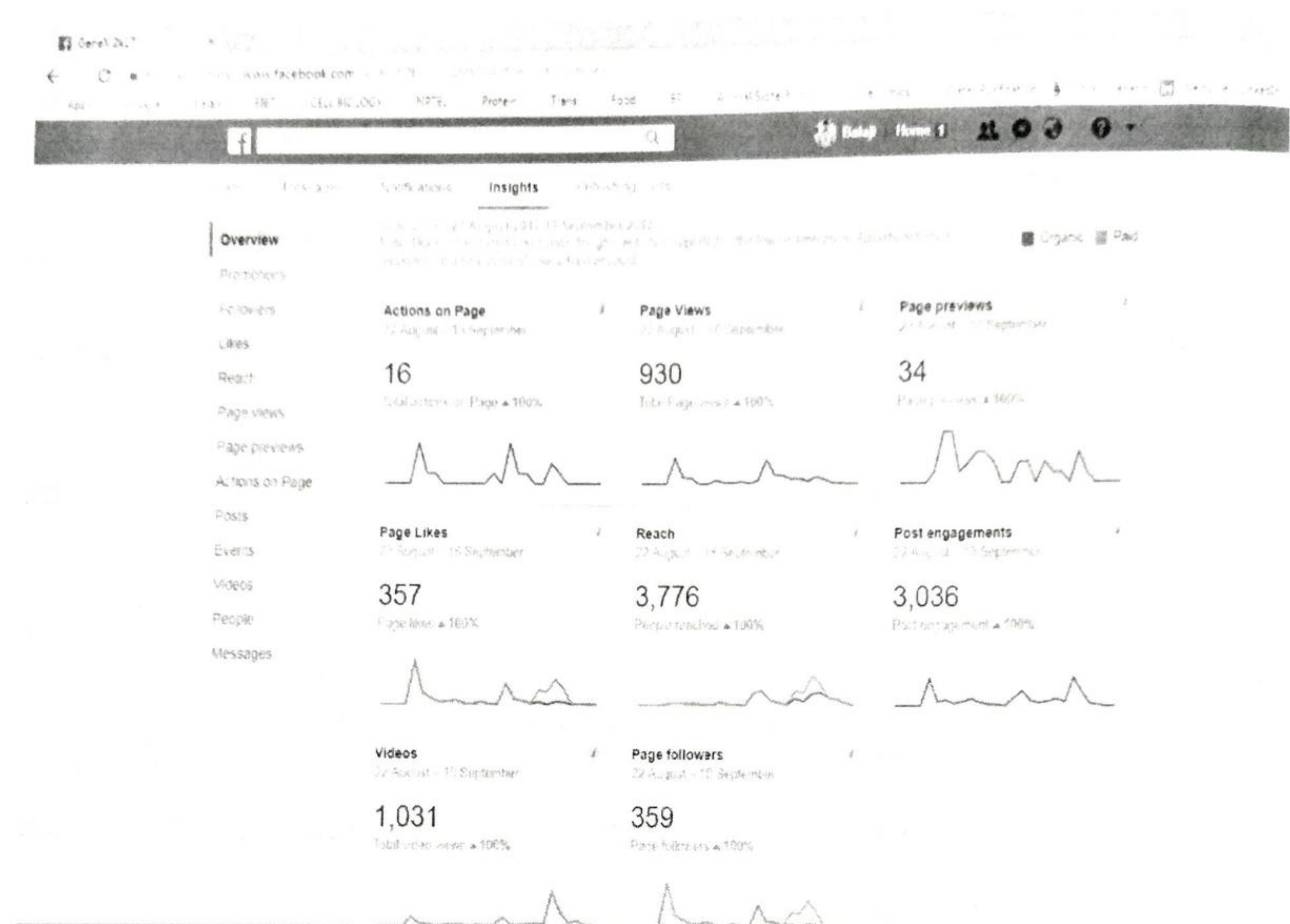
Facebook footer: Facebook (2017) English (US) ...





# PRATHYUSHA ENGINEERING COLLEGE

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# PRATHYUSHA ENGINEERING COLLEGE

## Post Event details:

Post Details

Reported stats may be delayed from what appears on post





Prathyusha Engineering College, Tiruvallur added 25 new photos.

September 15 at 10:22pm

Good evening to all.

The great bright day where all of us experienced the new vistas in biotechnology the 12th National Level Technical Symposium "GENE X 2K17" of Department of Biotechnology, Prathyusha Engineering college Beginning with the anxiousness of the most awaited day of the year, with the bus travel becoming the longest of all the year, we the department of biotechnology hosted this year's annual symposium. See More





2,884 people reached

206

32 Comments 18 Shares

Like Comment Share

Bring Post

2,884 People Reached

285 Reactions, Comments & Shares

225 Like	199 On Post	26 On Shares
7 Love	7 On Post	0 On Shares
1 Haha	0 On Post	1 On Shares
34 Comments	32 On Post	2 On Shares
18 Shares	18 On Post	0 On Shares

941 Post Clicks

471 Photo Views	0 Link Clicks	470 Other Clicks
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NEGATIVE FEEDBACK

0 Hide Post

0 Report as Spam

0 Hide All Posts

0 Unlike Page

Reported stats may be delayed from what appears on posts

Scanned by TapScanner





ESTD. 2001

# PRATHYUSHA ENGINEERING COLLEGE

You tube:

YouTube

Search

A video player interface showing a trailer for 'GENEX 2K17'. The video frame displays the text 'GENEX' in large, white, serif capital letters, with '2K17' below it in a similar but slightly smaller font. The background is dark and textured. Below the video frame is a playback control bar with a play button, a progress bar showing '0:36 / 0:47', and icons for settings, full screen, and share.

Channel settings

GeneX 2k17 Trailer

Saran Sri

181 views

Add to Share More

Published on Sep 13, 2017

Genex 2k17 is a national level technical symposium organized by department of biotechnology of prathyusha engineering college on 15/07/17

SHOW MORE



# HP LaserJet Pro MFP M128fn

## Fax Confirmation

HPFAX 37673703

Sept-14-2017 10:23

Job	Date	Time	Type	Identification	Duration	Pages	Result
1197	09/14/2017	10:22:45	Send	028415325	0:55	1	OK



### PRATHYUSHA ENGINEERING COLLEGE

Approved by AJCTE & Affiliated to Anna University. Accredited by National Board of Accreditation (NBA), ISO 9001:2008 Certified Institution  
NAAC accredited A Grade Institution

Dr. Ramesh P. L.N., B.Tech., M.Tech., Ph.D.,  
Principal

Date: 14/09/2017

To  
The Chief Editor,  
Chennai

Sir,

Sub: Engagement Column Matter- Req.

Greetings from Prathyusha Engineering College

We are pleased to inform you that the Department of BioTechnology, Prathyusha Engineering College, Thiruvallur to Poonamallee High Road, Chennai- 602 025, is organizing the following programme on 15<sup>th</sup> September 2017 at our college premises.

Name of the Programme	Date and Time	Name of the Chief Guest	Place
National Level Technical Symposium, " GeneX-17"	15.09.2017 08.30 am	Mr V. Subramanian, Director, Syntexmax BioTech Pvt. Ltd., Chennai- 600 124  Mr C.V. Sambathin, Managing Director, Syntexmax BioTech Pvt. Ltd, Chennai  Dr S. Narendra Sivasamy, Director (Technical), Syntexmax BioTech Pvt. Ltd, Chennai	College premises

Kindly arrange to publish the above news in the Engagement Column on 15<sup>th</sup> September 2017

Thanking You,

Regards,

PRINCIPAL

College Campus: Poonamallee - Tiruvallur Road, Adambakkam Kuppam, Chennai- 602 025, Tamil Nadu. Tel: 044-37673707, Fax: 044-37673708.  
Email: [admission@prathyusha.edu.in](mailto:admission@prathyusha.edu.in) / [principal@prathyusha.edu.in](mailto:principal@prathyusha.edu.in) • Website: [www.prathyusha.edu.in](http://www.prathyusha.edu.in)





ESTD. 2001

# PRATHYUSHA ENGINEERING COLLEGE

## ORGANIZING COMMITTEE

### **Patrons:**

Shri. P. Raja Rao, Chairman, Prathyusha Educational Trust

Mrs. Prathyusha, CEO

Mr. P. Vasu, Advisor

### **Co-Patron:**

Dr. Ramesh P. L. N, Principal

### **Convener:**

Prof. Ranjith Singh

Dr. P. Dhasarathan, HOD, Department of Biotechnology

### **Organizing secretary:**

Dr. M. Thenmozhi, Assistant professor

Ms. B. Ponjeyanthi, Assistant Professor

### **Organizing Members:**

Mr. K. Chalapandian, Associate Professor

Dr. A. Praveena, Assistant Professor

Dr. S. Sathya, Assistant Professor

Ms. S. Divya Lakshmi, Assistant Professor

Ms. Joyce Hellen Sathya, Assistant Professor

### **Student secretary:**

Mr. Karthick Kumar. R

Ms. Rajalekshmi. N

### **Student Vice-secretary:**

Mr. Rajeswar

Ms. Sri Vidhya

### **Student Co-secretary:**

Mr. Ragunath

Ms. Hemamalini



**2. Workshop on grow more  
mushroom. Earn more money**





**Re: Invitation for chief Guest - Reg.**

1 message

Tue, Jun 5, 2018 at 11:50 AM

Usha Rajananthini <biotechurn@gmail.com>  
To: HOD BIOTECH <hod.biotech@prathyusha.edu.in>

Dear Sir,  
Can you please mail me few good photographs of the Mushroom cultivation programme .

On Sat, Dec 9, 2017 at 4:21 PM, biotechurn <biotechurn@gmail.com> wrote:

Dear sir,  
Thank you for your kind invitation.

I am glad to meet the aspirants in the two days workshop on 15 th and 16th of this month and deliver them the latest technologies of mushroom cultivation with demo sessions.

Once again thank you for the warm invitation.  
With regards  
Dr. A. USHA RAJA NANTHINI  
Associate Professor and Head in charge  
Department of Biotechnology  
Mother Teresa Women's University Kodaikanal

Sent from my Samsung Galaxy smartphone.

----- Original message -----

From: HOD BIOTECH <hod.biotech@prathyusha.edu.in>  
Date: 09/12/2017 11:33 am (GMT+05:30)  
To: biotechurn@gmail.com  
Subject: Invitation for chief Guest - Reg.

Good Morning Madam

Greetings from PEC. Prathyusha Engineering College (PEC) is a leading engineering college affiliated to Anna University, Chennai, approved by All India Council for Technical Education, New Delhi and NAAC accreditation with "A" grade. PEC – Biotech Department is accredited by NBA and certified with ISO 9001-2008 and stepping into a glorious 17<sup>th</sup> year of meaningful educational service.

We are organizing a two days workshop "Mushroom cultivation Techniques" on 15 & 16/12/17. In this regard we are pleased to invite you to be **chief guest** and deliver Guest lecture with demo for this programme participants (III year UG Biotech students).

We will be grateful to you madma, if you could positively consider our request and grace the occasion. Please send your acceptance for further process in our side.

Thanking You.

Sincerely yours

--



Thanks

Head, Dept.of Biotechnology  
Prathyusha Engineering College

PEC BT Vision:

We, at the department of Biotechnology, impart quality technical education of global standards to the students, making them technologically superior and higher calibre and also ethically sound to serve the nation.

PEC BT Mission:

1. To develop an exciting and supportive learning environment that transforms student's research excellence and innovation.
2. To provide excellent teaching, practical and research facilities in the frontier areas of Biotechnology.
3. To focus on employability of our graduates and help them understand the needs of business potential in the broader area of Biotechnology and give our graduates a head start.
4. To coordinate the outreach activities with Biotechnology and related industries, participatory teams and research organizations to enhance personal and professional behavior of students.

--  
Dr. A. Usha Raja nanthini,  
Associate Professor,  
Department of biotechnology,  
Mother Teresa Women's University,  
Kodaikanal-624 102.



UB

**PRATHYUSHA ENGINEERING COLLEGE**

**DEPARTMENT OF BIOTECHNOLOGY**

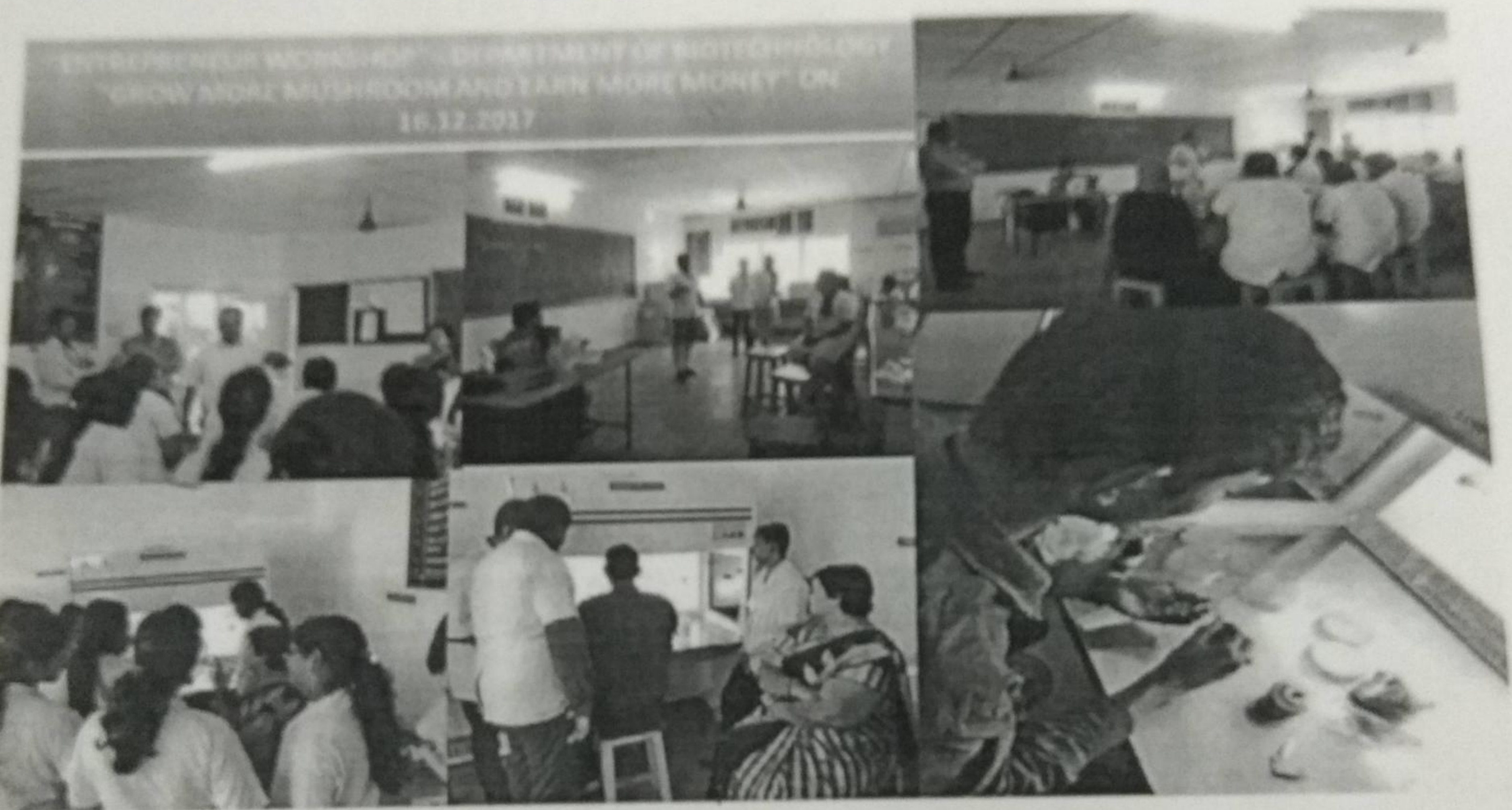
**WORKSHOP REPORT**

**"Entrepreneur workshop" organized for biotech students on "Grow More Mushroom and Earn More Money" on 15.12.2017**

**Resource Person : Dr. Usha Raja Nandhini, Associate Professor, Mother Teresa University, Kodaikonal**









### **3. AEEICB 18**





ESTD. 2001

# PRATHYUSHA ENGINEERING COLLEGE



Approved by AICTE & Affiliated to Anna University / NAAC accredited "A" Grade & NBA accredited  
Poonamallee - Tiruvallur High Road, Next to Thirumazhisai, Chennai-602025

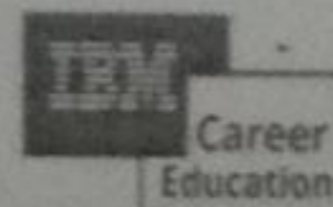
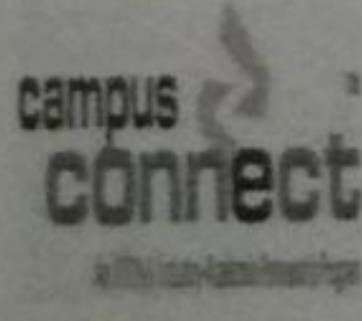
## Invitation of AEEICB - 2018 4<sup>th</sup> IEEE International Conference on

### Advances in Electrical, Electronics, Information, Communication and Bio-Informatics

### 27<sup>th</sup> & 28<sup>th</sup> February, 2018

### Sponsored by IEEE & Young Professional Affinity Group

## Knowledge Partners







The Management, Faculty and Students of  
**PRATHYUSHA ENGINEERING COLLEGE**

Most Cordially invite you to the

Inaugural function of

**AEEICB - 2018**

**4<sup>th</sup> IEEE International Conference**

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

at 10.00 a.m. on Tuesday, 27<sup>th</sup> February 2018, at PEC Auditorium

**Dr. D.SENTHIL KUMAR**

Scientist 'F', MTRDC,  
DRDO, Bangalore

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

**Dr. P.SANJEEVI KUMAR**

Professor / EEE,  
Aalborg University, Denmark  
will deliver keynote address

**Shri. P. RAJA RAO**

Chairman, Prathyusha Engineering college  
will preside over the function

Dr. M. Moorthi  
**CONFERENCE CHAIR**

Dr. P.L.N. Ramesh  
**PRINCIPAL**





The Management, Faculty and Students of

# **PRATHYUSHA ENGINEERING COLLEGE**

Most Cordially invite you to the

Valedictory function of

## **AEEICB - 2018**

**4<sup>th</sup> IEEE International Conference**

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

at 2.00 p.m. on Wednesday, 28<sup>th</sup> February 2018, at PEC Auditorium

### **Dr.G.GIRIDHAR**

Deputy Director General / Head (SRRA)  
Ministry of New & Renewable Energy  
Govt of India, NIWE.

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

Sri. M.Vasu  
**ADVISOR**

Smt. P.Prathyusha  
**CEO**

Sri. P.Raja Rao  
**CHAIRMAN**



## PROGRAMME SCHEDULE

27.02.2018	09.00 a.m. - 10.00 a.m.	Registration
27.02.2018	10.00 a.m. - 11.00 a.m.	Inaugural Function
27.02.2018	01.00 p.m. - 04.30 p.m.	Invited Talks & Paper Presentation
28.02.2018	09.00 a.m. - 12.30 p.m.	Invited Talks & Paper Presentation
28.02.2018	02.00 p.m - 03.00 p.m.	Valedictory Function

### **INVITED TALK / PAPER PRESENTATION**

Session	Guest/Chair	Topic	Date& Time	Venue
1	<b>Dr. D.Senthil Kumar</b> Scientist 'F', MTRDC, DRDO , Bangalore	Recent Trends in Engineering Field	27.02.2018 10.30 a.m.	Seminar Hall Main Block
2	<b>Dr. P.Sanjeevikumar,</b> Prof/EEE, Aalborg University, Denmark	Advancement in Power System	27.02.2018 11.00 p.m.	Seminar Hall Main Block
3	<b>Dr.M.Venkateshkumar,</b> Chair, IEEE Young Professional Affinity	Application of Neural Network in Power Electronics	27.02.2018 1.00 p.m.	NIWETAM Hall Collaboration Building
4	<b>Dr. V N Mani,</b> C-MET, Hyderabad	Fabrication of Advanced Nano-Electronic Materials and Devices for Space and Defense Application	27.02.2018 1.00 p.m.	Microsoft Lab Mega Lab
5	<b>Dr.Vydeki,</b> WIE ,IEEE Madras section	Security for Wireless Network	27.02.2018 1.00 p.m.	Adobe Lab Mega Lab
6	<b>Dr.PSR.Murthy,</b> Professor - BioTech, Adikavi Nannaya University, AP	Health care Management	27.02.2018 1.00 p.m.	Seminar Hall, Main Block
7	<b>Dr. Somashekar S.Hiremath</b> Dept of Mechanical Eng. Indian Institute of Technology Madras Chennai	Applications of Robotics	28.02.2018 10.00 a.m.	NI Lab Collaboration Building
8	<b>Mr. S.Prem Kumar</b> Scientist-D IGCAR-Kalpakkam	Intelligent System	28.02.2018 10.00 a.m.	Adobe Lab Mega Lab
9	<b>Dr.G.Giridhar</b> Deputy Director General / Head (SRRA) Ministry of New & Renewable Energy Govt of India, NIWE.	Solar Radiation Monitoring System	28.02.2018 2.00 p.m.	Seminar Hall, Main Block

**PRATHYUSHA ENGINEERING COLLEGE**

Poonamallee - Thiruvallur High Road, Thiruvallur - 602 025

E - Mail: [admin@prathyusha.edu.in](mailto:admin@prathyusha.edu.in) Web: [www.prathyusha.edu.in](http://www.prathyusha.edu.in)





**PRATHYUSHA ENGINEERING COLLEGE**

**DEPARTMENT OF BIOTECHNOLOGY**



**4<sup>th</sup> IEEE INTERNATIONAL CONFERENCE AEEICB-18**

**ESTD. 2001**

**Date – 27.2.2018**

**Session – 1 pm – 4 pm**

**Venue – Oracle Lab (Mega lab)**

**REPORT – BIOTECH SESSION**

**Key note Address** – Dr.PSR.Murthy, Professor, Adikavi Nannaya University, Andra Pradesh

**Chair Person** – Dr. A.J.A. Ranjit Singh, Professor, Department of Biotechnology, Prathyusha Engineering College, Chennai.

**Welcome Address:** Dr.P.Dhasarathan, Associate Professor, Head, Department of Biotechnology, Prathyusha Engineering College, Chennai.

**Rapporteur** : Dr.S.Sathya, Assistant Professor, Department of Biotechnology, Prathyusha Engineering College, Chennai.

The biotech research paper presentation was conducted in Oracle Lab (Mega Lab). The session started with the keynote address of **Dr.PSR.Murthy**. He has explained the importance of “Health care and Health care Tourism” in India and how can biotech students become an agent to promote medical Tourism for alternative medicine in Tamilnadu. He has emphasized the importance of fish therapy in Hyderabad for curing Bronchitis. He has motivated the students to get an idea of “Tribal Tourism”. He has explained the ideas with several illustrations and statistics.



In this session 13 papers were presented and all the papers were innovative and research oriented. Among the presenters, Department of Biotechnology, PEC, presented 11 papers.

### SUMMARY OF PRESENTATION

1. PID 92 – “Analysis of various plant extracts for controlling air borne bacteria” - D. Hooreen, S. Subashini and **M. Thenmozhi**  
This research team has developed an ecofriendly, cost effective system to control air borne microorganisms.
2. PID 104 – “In-Silico evidence for the insecticidal activity of compounds derived from *Musa sapientum* peels against *Helicoverpa armigera*” - Dharanyaa Gurunathan, Sindhudevi Chandrasekar and **Praveena A**  
The team has identified a novel compound in the banana peel that can be used as an insecticide. Petroleum ether extract of *Musa sapientum* peels contain phytochemicals that has insecticidal activity against *Helicoverpa armigera*. This is proved by molecular docking studies.
3. PID 120 – “Dehairing of leather using *Acalypha Indica* leaf extract” - Arpitha Anbu Deborah Y, Aswini S S, Kiruthika S and **Ponjayanthi B**  
It promotes greener environment by changing chemical based dehairing process of leather by dehairing process using natural products.
4. PID127 – “Waste water treatment by sponges and pebbles using air lift reactor” - R. Aishwarya, A. Ayesathul Jahana and **M. Thenmozhi**  
The team has designed an air-lift reactor using cost-effective Eco-friendly resources to treat the waste water such as flood water which contains high NOM content.
5. PID 128 – “Plant growth stimulating activity of keratinase producing bacteria derived from poultry waste” - R Mahalakshmi, A Suriya Daisy and **A Praveena**  
Growth promoter (keratinase producing bacterial organism) is used to improve agricultural yield and to meet the demands around the world. Poultry waste accumulation is ceased by this plant stimulating activity. Plant growth promotes keratinase activity.
6. PID 129 – “Suitability of *Delonix regia* seeds and *Syzygium cumini* For The Production Of Biodiesel” - Devisubhasree S, Nandhini M and **Joyce Hellen Sathya D**  
The team has produced biodiesel from seeds of a tree. This diesel is very efficient alternative fuel.



7. PID -142 – “Invitro cardiac risk reduction bioactive substance from the seedlings of *Echinochloa frumentacea* And *Panicum sumantrance*” - Dhasarathan P, Murfath Yasin K and **Ranjithsingh AJA**  
The team has identified and proved the effect of millets to present blood clotting in blood vessels.
8. PID 149 – “Antimosquito metabolites from selected medicinal plants and evaluation of their biochemical toxicity in *Culex* Sp” - **Dhasarathan P**, Swathi C and **Ranjithsingh AJA**  
This team has identified and characterised a novel plant compost that can be used as a spray to kill the larvae of mosquitoes – “Larvicidal Plant”
9. PID -151 – “Plant growth promotion using panchagavya” - **Dhasarathan P**, Nithica S, Nagavasuda R and **Cholapandian K**.  
To reduce the usage of chemical fertilizers and to increase soil fertility and yield, Panchakavya was prepared. A nutrient cum pest control agro protective product identified.
10. PID156 – “Utilisation of green synthesised silver nanoparticles for water quality Management” - **Dhasarathan P**, Reeshma Devi N, Sangeetha P, Suman Madhu R, **Ranjitsingh AJA** and Navaraj G.  
Silver nano particles are synthesized and used for the management of water quality and studied its application for common use.
11. PID164 – “Microbial isolates for enhancement of seed germination” - **Dhasarathan P**, Nithica S, Aparna S, Cholapandian K and **Ranjithsingh AJA**.  
This team has identified two Rhizobial strains Prathyusha 1(PEC-1) and Prathyusha 2 (PEC-2). These strains are very effective in promoting the growth and yield of plants.

#### **OUTSIDE PARTICIPANTS**

1. PID – 148 – “Dyeing Of Traditional Fibre Materials Using *Rubia cardifolia* (L) Dye With Various Mordants” - Mariselvam R, **Ranjitsingh AJA**, Usha Raja Nanthini A (Mother Teresa University, Kodaikanal) and Rajapandiyan Krishnamoorthy (King Saud University Saudi Arabia).
2. PID – 154 – “Technology for developing Ecofriendly coloring material suitable for fibre and handicraft products” - G.Athi Narayanan and **Ranjit Singh AJA**.



Finally feedback was collected from the participants using a standard evaluation questionnaire. Two good presenters were identified. At the end of the session, Dr.PSR.Murthy consolidated all the presentations and the certificates were issued to all the participants. Ms.Divya lakshmi, Assistant Professor, Department of Biotechnology proposed vote of thanks.

### **A GLIMPSE OF AEEICB -18 PAPER PRESENTATION**





## **4. Sensors and their applications**





PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF  
ELECTRICAL AND ELECTRONICS  
ENGINEERING

Instrumentation and Control Club  
prathyusha@gmail.com

INDUSTRY EXPERT INTERACTION(IEI) ON  
"SENSORS AND APPLICATIONS"

DATE:28/12/2017

VENUE:SEMINAR HALL



INDUSTRY EXPERT

MR. RAJASEKAR JAYAKUMAR

DIRECTOR(CDGE GROUP)



## Report on IEI on "Sensors & their applications"

Resource person: Mr. Rajasekar jayakumar,

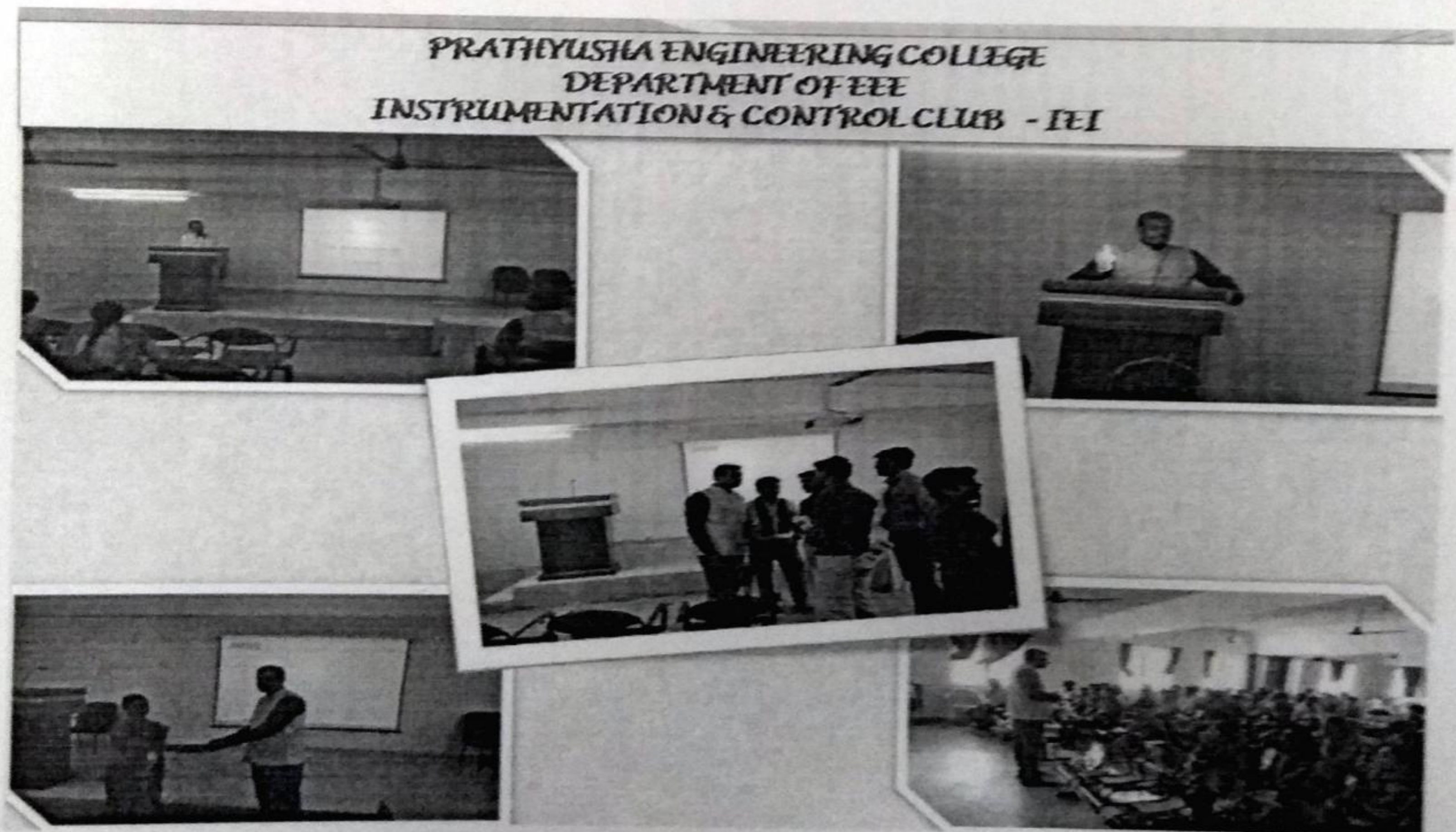
Director ( CDCE Group)

Venue: EEE seminar Hall  
- 12.00 PM

Time: 10. 00 AM

Date: 28.12.2017

Instrumentation & Control club of EEE Department organized an IEI on "Sensors & Applications" on 28.12.2017 by Mr. Rajasekhar Jayakumar, Director, CDCE Automation, who shared his experience in automation and MSME related areas. This expert interaction helped the students to update their knowledge in the field of Sensors and application in automation areas.



Link: <https://www.facebook.com/PrathyushaInstitute/photos/a.692807447400965/189584449043>

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## **5. Interfacing PLC with I/O devices**



PRATHYUSHA ENGINEERING COLLEGE  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

PLC AND SCADA CLUB

Organizes

Industry Expert Interaction

on

"Integrating PLC with I/O devices "

by

Mr.Arun

Automation Engineer,  
Multivista Global Pvt Ltd

On

10-02-2018 , 10 A.M



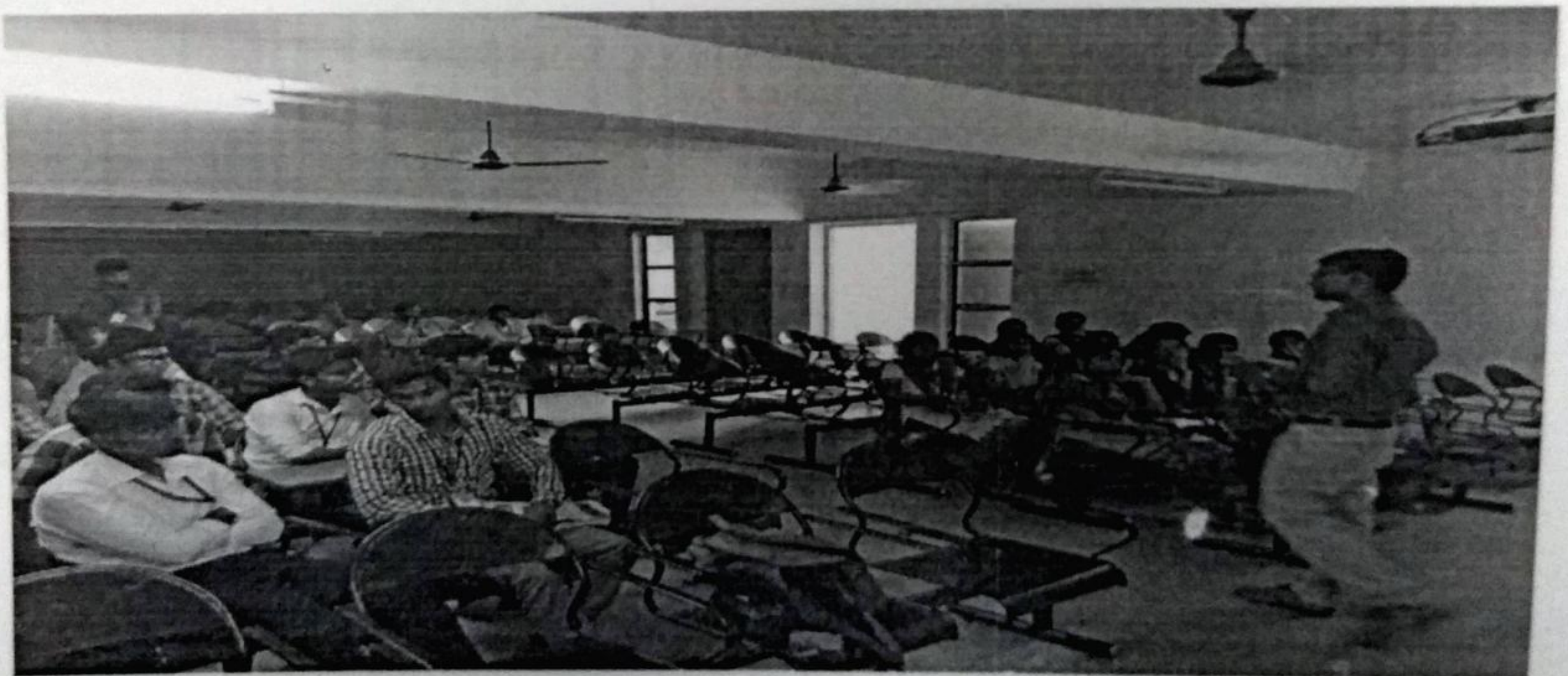
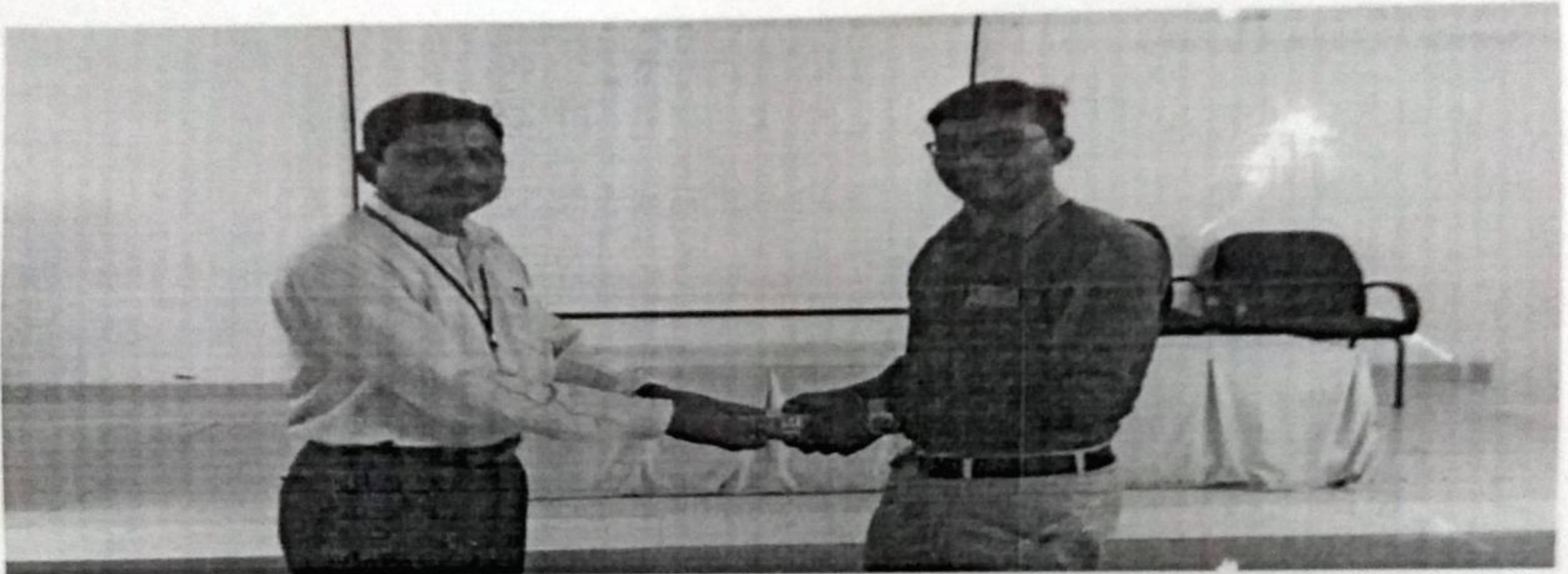
## Report on IEI on " Integrating PLC with I/O devices"

Resource person: Mr.Arun, Automation Engineer, Multivista Global Pvt., Ltd.

Date:10.2.2018

Venue :EEE seminar hall

Industry Expert Interaction" organized by "PLC and SCADA CLUB" of Department of Electrical and Electronics Engineering on "Integrating PLC with I/O devices" by Mr.Arun, Automation Engineer, Multivista Global Pvt., Ltd., on 10.02.2018. The students gained the knowledge about PLC input & output devices.



Link:

<https://www.facebook.com/PrathyushaInstitute/photos/pcb.1945763298772034/1945761968772167>



## **6. PLC & SCADA applications**





# PRATHYUSHA ENGINEERING COLLEGE

Aranvoyal kuppam Poonamalle-Thiruvallur Highroad, Thiruvallur - 602025

INAUGURATION OF TECHNICAL CLUBS

INSTRUMENTATION AND CONTROL & PLC AND SCADA

DATE: AUG 22 (TUE)

TIME: 11AM

CHIEF GUEST: Mr. Harish Chandraprakasam

CEO, Malles Automated And Robotics Pvt Ltd.

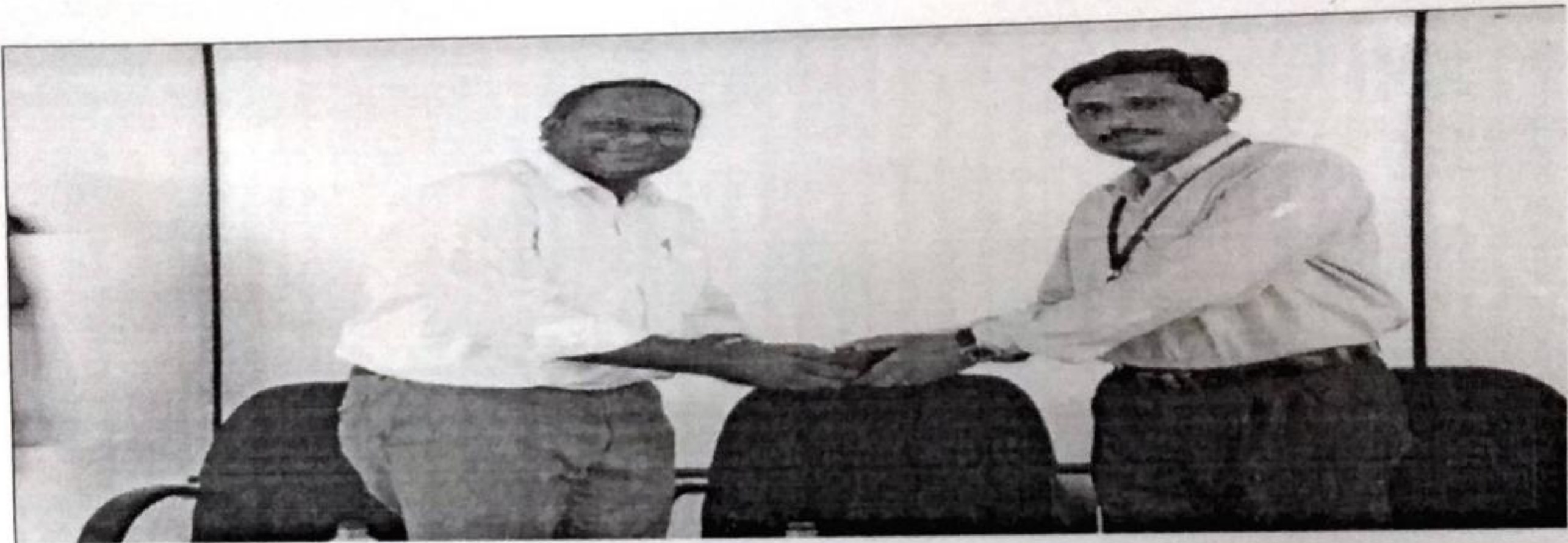


## Report on "Inauguration and seminar on " PLC & SCADA club & its Applications"

**Resource person: Mr .Harish Chandraprakasam,CEO,Malles Automation & robotics**

**Date:22-8-2017**

The department of Electrical and Electronics Engineering organized the inauguration of technical clubs-INSTRUMENTATION AND CONTROL, PLC SCADA on 22.08.2017. Also a seminar was given by Mr.Harish Chandraprakasam,CEO of Malles Automation on PLC & SCADA software & its applications. The students gained the basic knowledge about PLC & SCADA software.



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## **7. Load flow analysis ETAP software**





ESTD 2001

PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF ELECTRICAL AND  
ELECTRONICS ENGINEERING

POWER SYSTEM SIMULATION CLUB  
HANDS ON TRAINING FOR TECHNICAL  
CLUB STUDENTS (III YEAR)

LOAD FLOW ANALYSIS OF POWER SYSTEM  
USING ETAP SOFTWARE

By

Ms.T.MATHUMATHI, Assistant Professor/EEE

On

12.12.2017



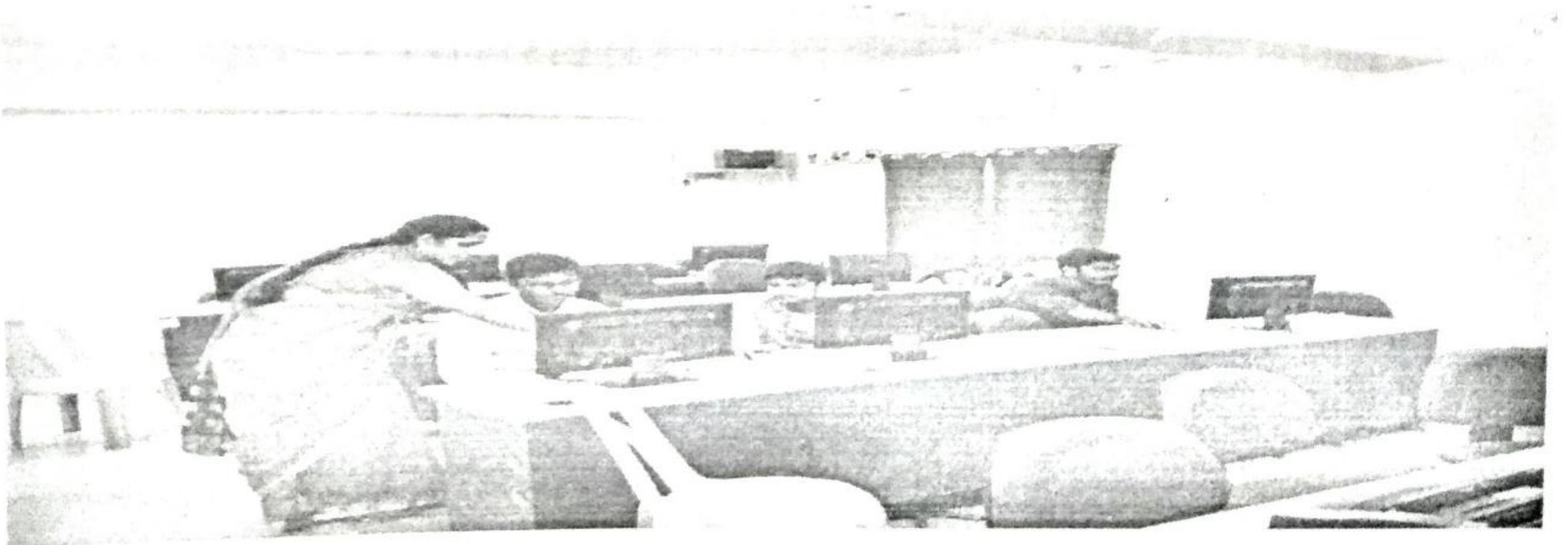
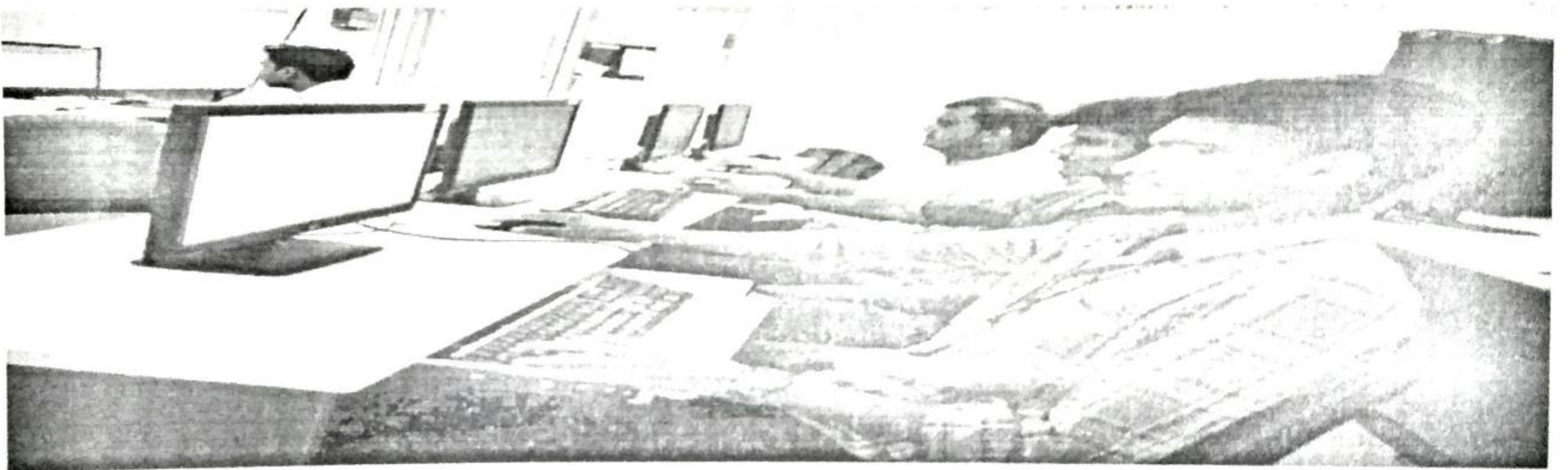


## **Report on "Hands On Training" Load Flow Analysis ETAP Software"**

**Date:12.12.2017**

**Resource Person:T.Mathumathi,AP/EEE**

ETAP technical domain club of the Department of Electrical and Electronics Engineering organised Hands on training on 12.12.2017 for our technical club students. The session was handled by T.Mathumathi,Asst.Professor/EEE. The students were trained on short circuit analysis of power system in order to design the circuit breakers and relays,Magnitude of fault current were obtained by symmetrical and unsymmetrical fault analysis. Students were shown very much interest in obtaining good knowledge in the area of power systems by learning the ETAP software.



**Link: <https://www.facebook.com/PrathyushaInstitute/posts/1877593585589006>**



## **8. Renewable Energy**





# PRATHYUSHA ENGINEERING COLLEGE

**INAUGURATION OF GREEN ENERGY CLUB & PROFESSIONAL LIGHTING CLUB**

**on**

**05.09.2017**

**Industry Expert Interaction**

**by**

**Mr.G.Rajaganesan**

**Chief Technical officer**

**(Tamilnadu Advanced Technical Training Institute)**

**Chennai**

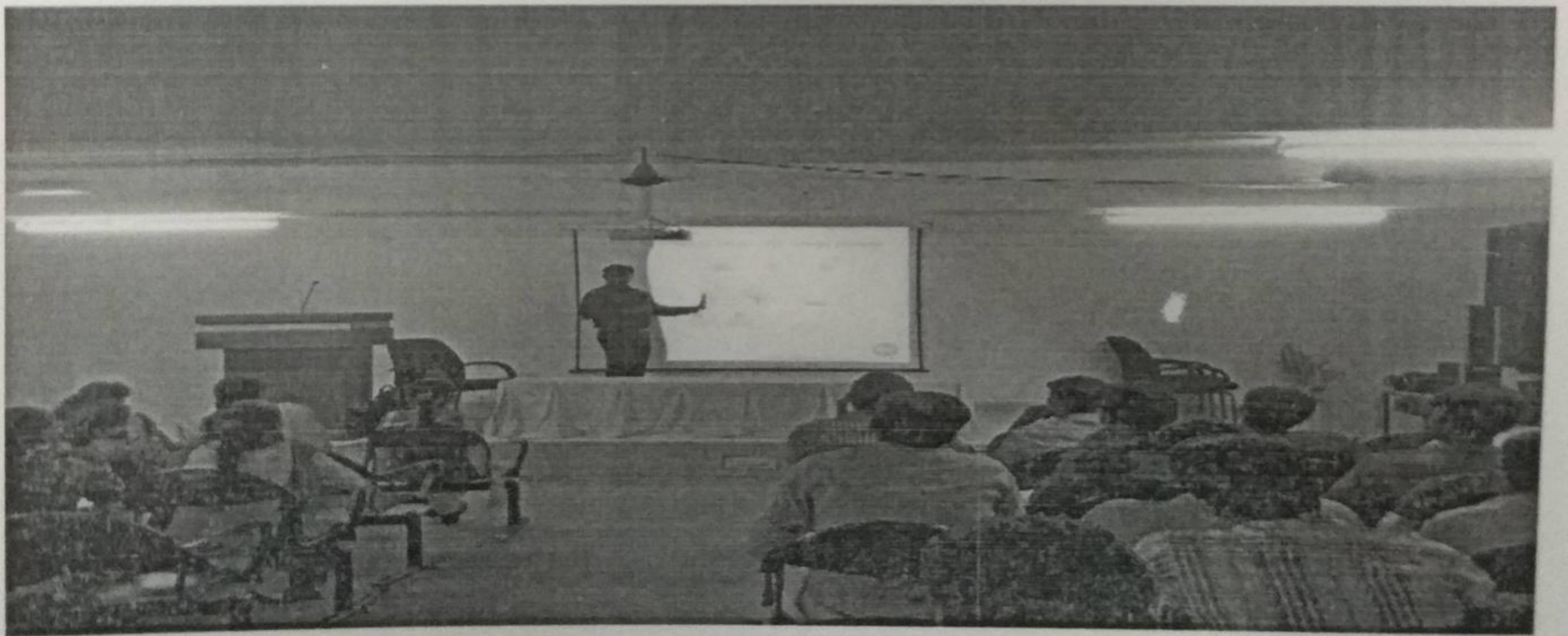
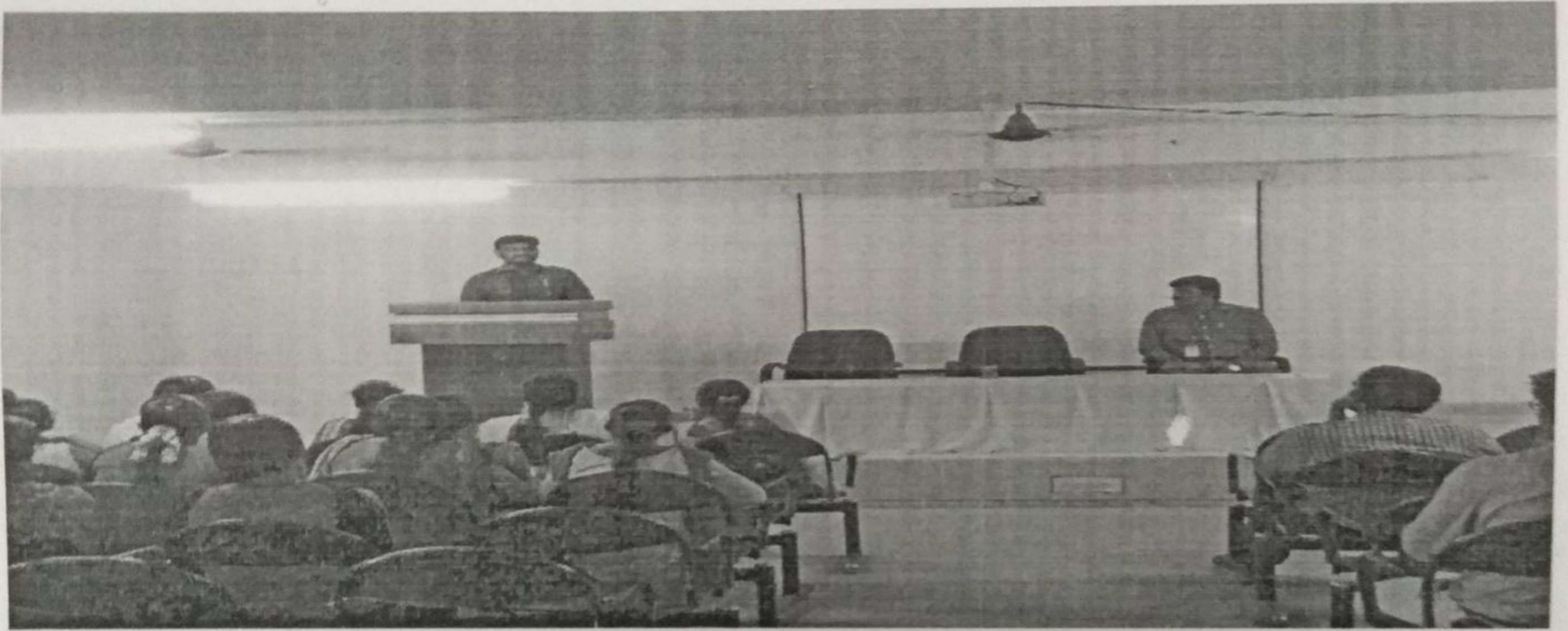


## Report on Seminar on " Renewable Energy"

Resource person:Mr.G.Rajaganesan,CTO,Tamilnadu Advanced Technical Training Institute

Date:5.9.2017

The department of EEE organized a IEI on topic Renewable energy. Mr.G.Rajaganesan,CTO from Tamilnadu Advanced Technical Training Institute delivered various aspects of renewable energy in detail.The students gained more knowledge on renewable enrgy resources.



Link:  
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## **9. Renewable energy**

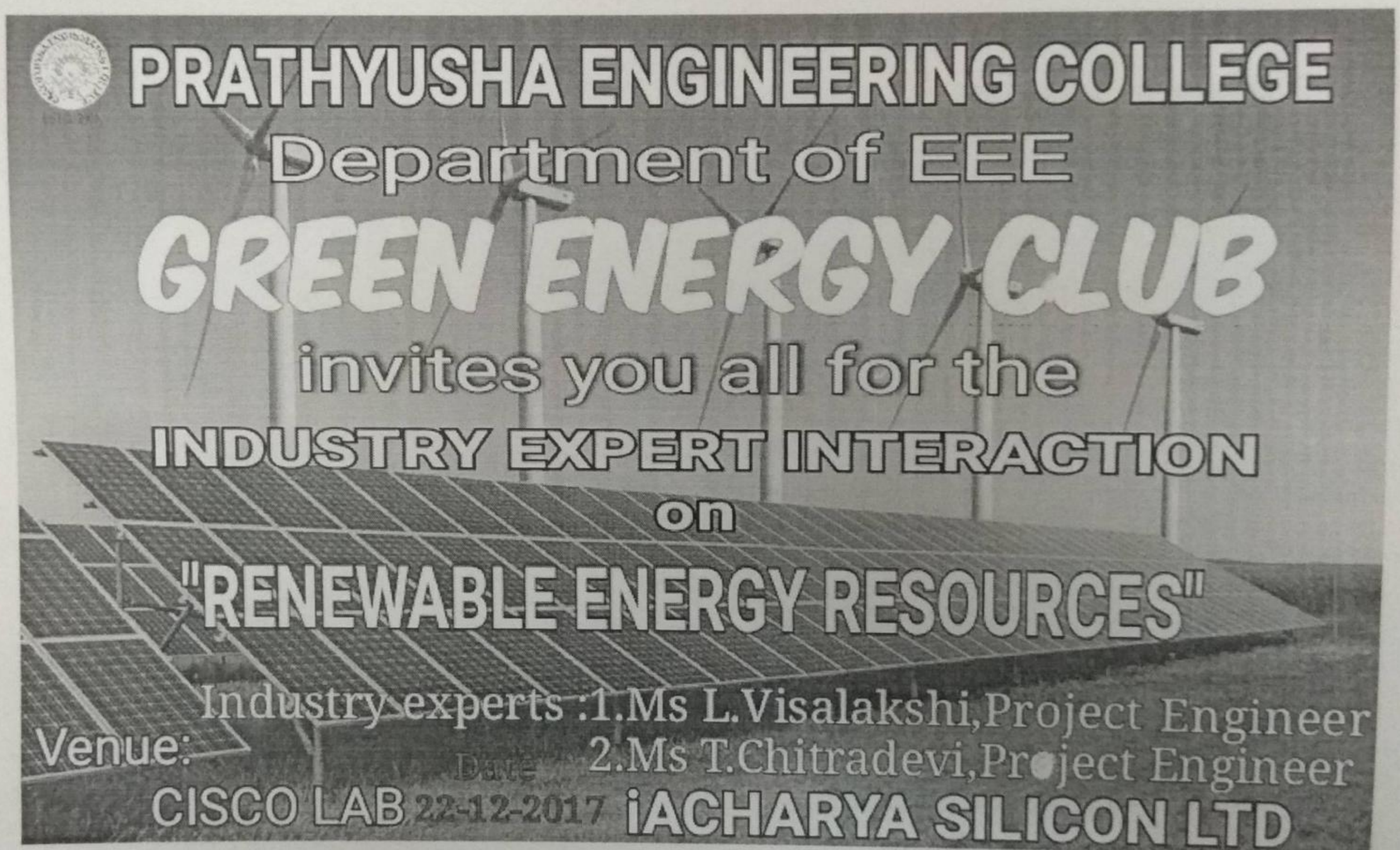


## Report on Seminar on "Renewable Energy"

Resource person: Ms. Visalakshi & Ms. Chitradevi from Iacharya Solutions

Date: 5.9.2017

The department of EEE organized a IEI on topic Renewable energy. Ms. Visalakshi & Ms. Chitradevi from Iacharya Solutions delivered various aspects of renewable energy in detail. The students gained more knowledge on renewable energy resources.



The poster features a background image of solar panels and wind turbines. In the top left corner is a circular logo of Prathyusha Engineering College. The text on the poster reads: **PRATHYUSHA ENGINEERING COLLEGE**, **Department of EEE**, **GREEN ENERGY CLUB**, invites you all for the **INDUSTRY EXPERT INTERACTION** on **"RENEWABLE ENERGY RESOURCES"**. Below this, it lists the industry experts: 1. Ms L. Visalakshi, Project Engineer and 2. Ms T. Chitradevi, Project Engineer. The venue is listed as CISCO LAB and the date as 22-12-2017. The event is organized by IACHARYA SILICON LTD.

**PRATHYUSHA ENGINEERING COLLEGE**  
Department of EEE  
**GREEN ENERGY CLUB**  
invites you all for the  
**INDUSTRY EXPERT INTERACTION**  
on  
**"RENEWABLE ENERGY RESOURCES"**  
Industry experts : 1. Ms L. Visalakshi, Project Engineer  
2. Ms T. Chitradevi, Project Engineer  
Venue: CISCO LAB Date: 22-12-2017 IACHARYA SILICON LTD

Link:

<https://www.facebook.com/PrathyushaInstitute/photos/a.692807447400965/1888532687828429/>



## **10. Optimum power flow analysis of power**



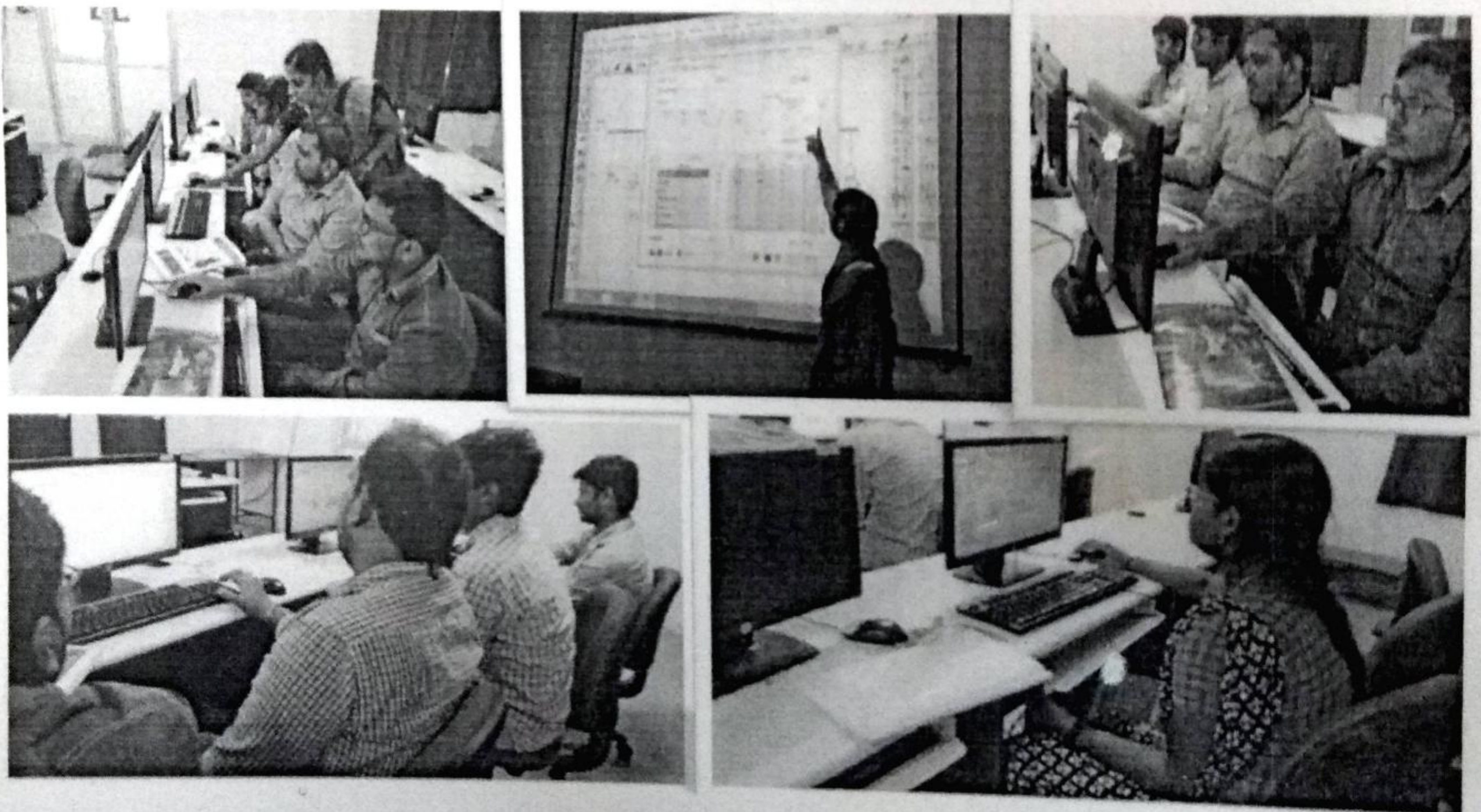
## Report on Training on optimum power flow analysis using ETAP

Resource person: Ms. T. Mathumathi, AP/EEE

Date: 18.1.2018

ETAP technical domain club of the Department of Electrical and Electronics Engineering organized a Hands on training on 18.01.2018 for our technical club students. The session was handled by T. Mathumathi, Asst. Professor/EEE. The students were trained on optimum power flow analysis of power system. This analysis will help to determine power system control settings to improve the system performance also to maintain its power system parameters within the limits in order to maintain the stability of the system.

### PRATHYUSHA ENGINEERING COLLEGE DEPARTMENT OF EEE ETAP TECHNICAL DOMAIN CLUB TRAINING



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## **11. Design of experiment**



# **National Level Workshop on “Design of Experiment (DOE)” (7<sup>th</sup> June 2017)**

## **DOE Analysis**

- Practical, Graphical and Analytical approaches
- Main effects and Interaction effects
- Response optimization
- Using MiniTab for Analysis and optimization

## **Case study presentations**

## **Work Practice**

## **Taguchi Methods**

- Robustness & Noise
- Parameter design
- Orthogonal Arrays
- Signal to Noise Ratio (S/N)
- Optimization

## **Exercise on MiniTab**

## **ELIGIBILITY:**

Faculty members of Engineering Colleges and Polytechnic Institutions.

## **REGISTRATION DETAILS:**

Registration Fee Rs.300/- per participant to be paid. Free lunch, Tea and Bus facilities will be provided to the participants. Participants are requested to register through email [hod.mech@prathyusha.edu.in](mailto:hod.mech@prathyusha.edu.in) on or before **2<sup>nd</sup> June 2017**.

Registration restricted on the basis of first come first served to **20 members** only.

## **ADDITIONAL INFORMATION:**

No TA/DA will be provided to the participants.

## **ADDRESS FOR COMMUNICATION:**

### **Convenor**

Department of Mechanical Engineering,  
PRATHYUSHA ENGINEERING  
COLLEGE, Poonamallee-Tiruvallur  
Road, Tiruvallur, Tamilnadu – 602 025  
Mail id: [hod.mech@prathyusha.edu.in](mailto:hod.mech@prathyusha.edu.in)  
Mobile: 9840397361, 9710693408

## **ABOUT THE DEPARTMENT**

The department imparts the basic knowledge in the areas of Mechanical Engineering including Hydraulics & Fluid Machinery, Thermal Engineering, Manufacturing Technology, Material Science, Design of Machine Elements, Computer Aided Manufacturing, Industrial Management, etc. The Department also have tie-up with TVS-Harita Techserv Pvt. Ltd., to train students in the area of Product Design and Digital Manufacturing. The Department Organizes several Training program, Workshops, Seminars, etc for staff and students every year.

## **PRATHYUSHA ENGINEERING COLLEGE**

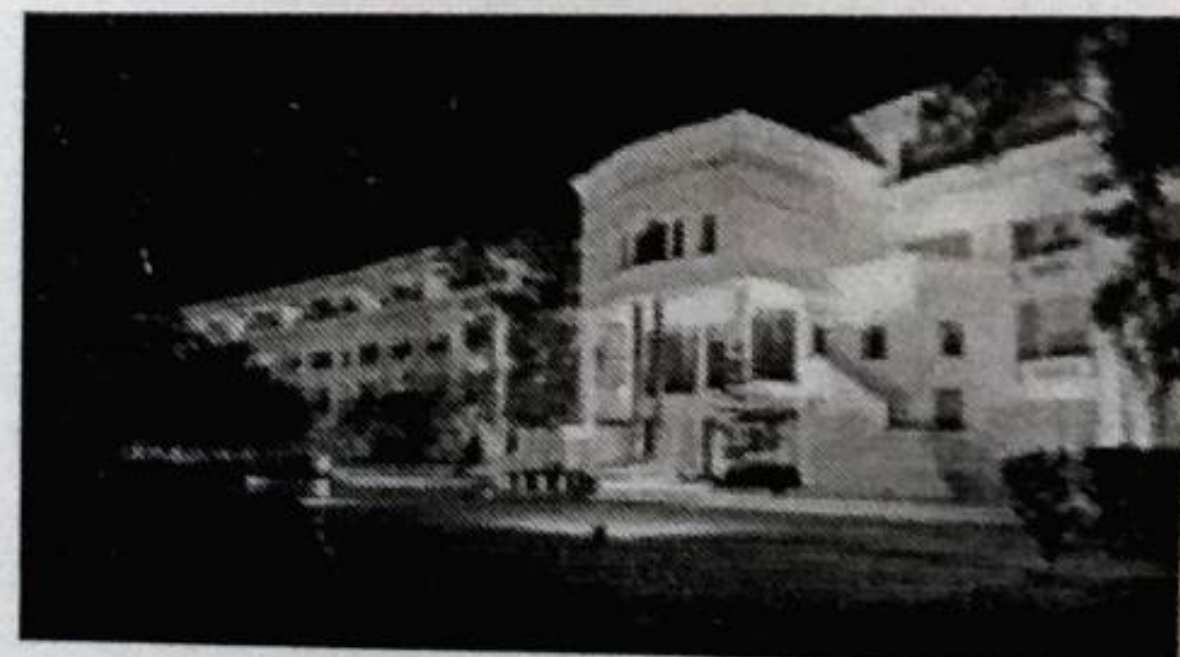
### **National Level Workshop on “Design of Experiment (DOE)” (7<sup>th</sup> June 2017)**

### **Organized by**

Department of Mechanical Engineering  
PRATHYUSHA ENGINEERING COLLEGE  
Poonamallee-Tiruvallur Road, Tiruvallur,  
Chennai, Tamilnadu – 602 025,  
[www.prathyusha.edu.in](http://www.prathyusha.edu.in)

### **Convenors**

Prof. P. Jayaraman  
Dr. V. Jayaseelan  
Mr. G. Venkatkumar





# **PRATHYUSHA**

## **ENGINEERING COLLEGE**

**THE MANAGEMENT, PRINCIPAL, STAFF  
& STUDENTS CORDIALLY**

Invites You All

**National Level Workshop on  
“Design of Experiment (DOE)”  
(7<sup>th</sup> June 2017)**

Mr. G. Venkatkumar  
Coordinator

Mr.P.Jayaraman  
HoD/Mech

Dr. P.L.N Ramesh  
Principal



**National Level Workshop on  
“Design of Experiment (DOE)”  
(7<sup>th</sup> June 2017)**

**SCHEDULE**

<b>07-06-2019</b>	<b>Morning Session</b>	<b>Inaguration</b>
<b>07-06-2019</b>	<b>Afternoon Session</b>	<b>Mr.P.Jayaraman Hod/Mech</b>



# REPORT

## **A REPORT ON ONE DAY NATIONAL LEVEL WORKSHOP ON "DESIGN OF EXPERIMENT"**

Prathyusha Engineering College, Department of Mechanical Engineering has organized a one day national level workshop on "Design of Experiment" on 07-06-2017. The main objective of the workshop is to impart knowledge and exposure in recent trends in DOE (Design of Experiment) analysis like response optimization and using minitab for analysis and optimization to the second, third year and final year students and faculty members from in and around College. The participants of the workshop have the great opportunity to listen and interact with eminent professor and industrial person from leading university and industries. 50 students and faculty from various colleges have participated in the workshop.

### **DAY 1: 07-06-2017 – Morning Session**

The workshop started with an inaugural session at 10:00am with welcome address by Professor and Coordinator of the workshop Dr.P.JAYARAMAN. This national level workshop provides a platform for faculty and student to enrich their knowledge in DOE and provides vast scope for research in new and challenging areas in an Mechanical engineering. Workshop inaugural address was given by Head of the Mechanical Department Dr.P.Jayaraman. He emphasized on the importance of innovative engineers in the mechanical engineering field and advised on entrepreneurial opportunities by using creative techniques in DOE. He also recommended undergraduate students to participate in design competitions, so that they gain practical knowledge and experience.

The first technical session began at 10.30am by Dr.V. Jayaseelan, Professor, Prathyusha Engineering College, He has explained lot about applications of DOE.

The inaugural session ended with vote of thanks to the inaugural chief-guest by Coordinator Mr.G.Venkat Kumar. And he esteemed gratitude to management for giving support to organize the workshop.

### **DAY 1: 07-06-2017 – Afternoon Session**

The second speaker of the second session was Dr.P.Jayaraman, Professor, Head of Department, Mechanical Engineering, Prathyusha Engineering College, Thiruvallur, Chennai. He gave clarity on implementation of robustness & noise, parameter design, orthogonal arrays in detailed manner. He explained about the advances in DOE and also gave an insight on changes in DOE. Students are interacted and clarified their doubts with the speaker.



# ATTENDANCE:

## PRATHYUSHA ENGINEERING COLLEGE

Department of Mechanical Engineering

National Level Workshop on  
"Design of Experiment (DOE)"  
(7<sup>th</sup> June 2017)

### Attendance sheet

S.No	Name	College name	Mobile No	Signature
1	V. JAYASECCAN	PEC	9710693407	V. Jayar
2	K. BALAKRISHNAN	PEC	8144509584	K. Balan
3	P. Sarmajithkumar	PEC	97575-6478	P. Sarmajith
4	R. KARTHIK	PEC	87795474	R. Karthi
5	T. THIRUPANALAI	PEC	9444240271	T. Thirup
6	N. KESHIKUMAR	PEC	9597787075	N. Keshi
7	V. BALAJI	PEC	9862700567	V. Balaji
8	D. Premkumar	PEC	987321523	D. Prem
9	G. Venkathkumar	PEC	809833758	G. Venka
10	R. RAGAVENDIRAN	PEC	95436094	R. Ragav
11				
12				
13				
14				



## PHOTOS









## **12. Industrial automation**



6/27/2018

PRATHYUSHA ENGINEERING COLLEGE Mail - Fwd: Guest Lecture on Automation in Industry



Dilliraj ECE <dilliraj.ece@prathyusha.edu.in>

## Fwd: Guest Lecture on Automation in Industry

1 message

subbulekshmi subramoniam <subbulekshmi.oct13@gmail.com>  
To: dilliraj.ece@prathyusha.edu.in

Tue, Jun 26, 2018 at 9:25 PM

----- Forwarded message -----

From: Samivel <rsamivel@gmail.com>  
Date: Thu 17 Aug, 2017, 5:26 PM  
Subject: Guest Lecture on Automation in Industry  
To: subbulekshmi subramoniam <subbulekshmi.oct13@gmail.com>

Dear Mam,

As we discussed over phone regarding guest lecture required for your college.  
I will be ready to take guest lecture.  
I have attached my profile and overview of topic with this mail for your reference.  
Any query regarding this, kindly contact my undersigned number.  
Kindly share your college details.


Topic:Automation in Industry


Date:17/08/17  
Session: Forenoon

Time:10.00 AM to 12.30 PM

Warm Regards  
Samivel R  
91 9952440324

### 2 attachments

 Automation in Industry.doc  
24K

 Samivel Profile.doc

[https://mail.google.com/mail/u/0/?ui=2&ik=95749ddccc&jsver=QyRwmk-slyw.en.&cbl=gmail\\_fe\\_180620.14\\_p2&view=pt&search=inbox&th=1643ccf37a2e0f11&siml=1643ccf37a2e0f11](https://mail.google.com/mail/u/0/?ui=2&ik=95749ddccc&jsver=QyRwmk-slyw.en.&cbl=gmail_fe_180620.14_p2&view=pt&search=inbox&th=1643ccf37a2e0f11&siml=1643ccf37a2e0f11)





**PRATHYUSHA ENGINEERING COLLEGE**  
**Department of Electronics and Communication**  
**Engineering**  
**EMBEDDED & ROBOTICS TECHNICAL CLUB**

Submitted to Principal,

I bring to your kind notice that, Department of ECE in association with Embedded and Robotics Technical club Conducted “Automation in Industry” Industrial Expert Interaction on 19.08.17 by **Mr. R. Samivel, Sr. Design Executive, Larson&Toubro Ltd., Chennai.**

The motto of the guest lecture is to learn about present scenario and opportunities in industries for automation. To learn about new technology and new components used in various industry.

He concentrate on the following topics,

- 1) Introduction of automation
- 2) History and requirements of automation
- 3) Types of automation(Process and material Handling)
- 4) Basic components used in automation
- 5) Types of sensors(Inductive, Capacitive, Photocell etc)
- 6) PLC(Industrial PLC and Programming, Advance level)
- 7) Industry standard Communication(Ethernet TCP/IP, Prfoinet, Profibus and Can bus)
- 8) Robots introduction(Requirements)
- 9) Types of Robot(Cartesian, Articulated arm, etc)
- 10) Actuators and its types.(Continuous and Discrete)
- 11) Motors and its types(Mounting Mechanism)
- 12) Basic robot programming



GLIMPSES OF IEI



*Sun. Singh*  
CLUB INCHARGE

*Ch. Anil Kumar*  
HOD/ECE



## **13. Automation in industries**



6/27/2018

PRATHYUSHA ENGINEERING COLLEGE Mail - REG: Confirmation required for Industrial Automation & Robotics Guest Lecture by Axis Global Automation

Dilliraj ECE <dilliraj.ece@prathyusha.edu.in>



## REG: Confirmation required for Industrial Automation & Robotics Guest Lecture by Axis Global Automation

1 message

Wed, Feb 7, 2018 at 4:44 PM

**PRADEESH AGIIT** <pradeesh@agiit.co.in>

To: dilliraj.ece@prathyusha.edu.in

Cc: murugan andam <murugan@axisglobalautomation.com>

Trust you're doing well.

With reference to our discussion made regarding the industrial automation & robotics guest lecture through phone call, We would like to conduct an one and half hour free guest lecture on '**Industrial Automation & Robotics**' to your Students,

We have officially confirmed on 14 Feb 2018, and need to confirm the timing & no of students participating for the program.

For your reference, I have attached our company profile & detailed syllabus for the program.

Kindly find attachments.

We are expecting a positive reply from you.

Enclosed: **Axis Global Automation** is one of the leading Industrial Automation Solution providers in India. Our core mission is to produce innovative, effective and cost-productive industrial automation solutions that cater to a wide range of industries. We design firmware applications for PLC, DCS, SCADA, HMI Drive, Servo, IMCC and Robotic Systems. We are specialized in application developments, retrofitting works, turnkey projects. We also manufacture control panels. **Axis Global Institute of Industrial Training** (hereinafter called AGIIT) is our technical training business unit that has been providing industrial automation training for Universities, Colleges, Educational Institutions, Industries and Corporates. We have successfully trained over 10,000 candidates in India and have training partnerships with over 200 universities and colleges in the country. Our mission is to help every individual and organization to make a benchmark in the field of Industrial Automation & Robotics. The vision of the organization is to make an individual become technically sound in Industrial Automation & Industrial Robotics domain by providing world class training. We are authorized partner along with **Yaskawa Motoman Robotics**. We are the one who is giving training in Yaskawa Motoman Robots in India.

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In-plant training,  
Industrial Visit,  
MOU  
Faculty Development Programme,  
Labour training for engineering students & faculty



In case of any queries,related to setting up of a automation & robotics lab setups and Industry Interaction program, Kindly contact us.

Thanks & Regards,

**PRADEESH.K,**  
**BUSINESS DEVELOPMENT ENGINEER,**  
**AGIIT,**  
**CHENNAI.**  
call :+91 9841621622  
email :pradeesh@agiit.co.in

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Thanks & Regards,



# REPORT ON INDUSTRIAL EXPERT INTERACTION FOR EMBEDDED & ROBOTICS TECHNICAL CLUB

## II & III CLUB STUDENTS

Submitted to Principal,

I bring to your kind notice that, Department of Electronics and Communication in association with Embedded and Robotics Technical club conducted Industrial Expert Interaction on Industrial Automation & Robotics held at PEC seminar hall (Main block) on 14.02.2018 (10.00AM – 12.00PM).

The chief guest for this program was **Mr. Parasuraman, Application Engineer, AXIS global automation, Chennai** delivered the technical talk, automation industries, and Industries expectations from the students & skill set requirements to fulfil the industry expectations.

Topics covered in this session was,

- Introduction to Automation
- PLC (Programmable Logic Controller)
- SCADA (Supervisory Control and Data Acquisition)
- VFD (Variable Frequency Devices)
- GSM PLC
- HMI/ MMI (Human Machine Interface/ Man Machine Interface)
- SERVO MOTOR
- Robotics