



2019 - 2020

1. Basics of SAS programming for clinical research

	Webinar on Introduction to SAS programming Activity report	 Bioinfotech club
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ACTIVITY DETAILS

Type of activity	: Webinar - 1
Date of the activity	: 12.12.2019
Title	: Introduction to SAS programming
Resource person	: Mr. Akash Kapoor, Business Intelligence analytics, Edureka certification for SAS
Time	: 9.50 am – 10:40 am
Target students	: II- and III-year technical club members

The webinar was organized by Bioinfo tech club of the Department of Biotechnology, PEC for II- and III-year technical club members on 13.12.2019 from 9.50am – 10.40 am at smart class. Totally 36 members benefited.

OBJECTIVES OF WEBINAR

- To provide an opportunity for members to learn the basics of SAS program
- To create importance of SAS in biological field.
- To enrich the young minds knowledge by updating new program.

NEED OF WEBINAR

The webinar session was aimed to create awareness on importance of statistical analysis system. The basics of SAS program may helpful to apply on their research. It also helpful to create an opportunity in recruitment process for data management. There is increasing demand in getting certified with this course. The industry people needs on certification on clinical SAS program. In order to create interest on the course the webinar session on introduction to SAS program was arranged.

SAS training certifies the members as an 'in demand' SAS professional, to help them to grab top paying analytics job titles with hands-on skills and expertise around data mining and management concepts.

ABOUT THE WEBINAR:

The webinar was handled by Mr. Akash Kapoor, Business Intelligence analytics, Edureka certification for SAS. He had experience on 15 years in the field of statistical analysis.



Webinar on
Introduction to SAS programming
Activity report

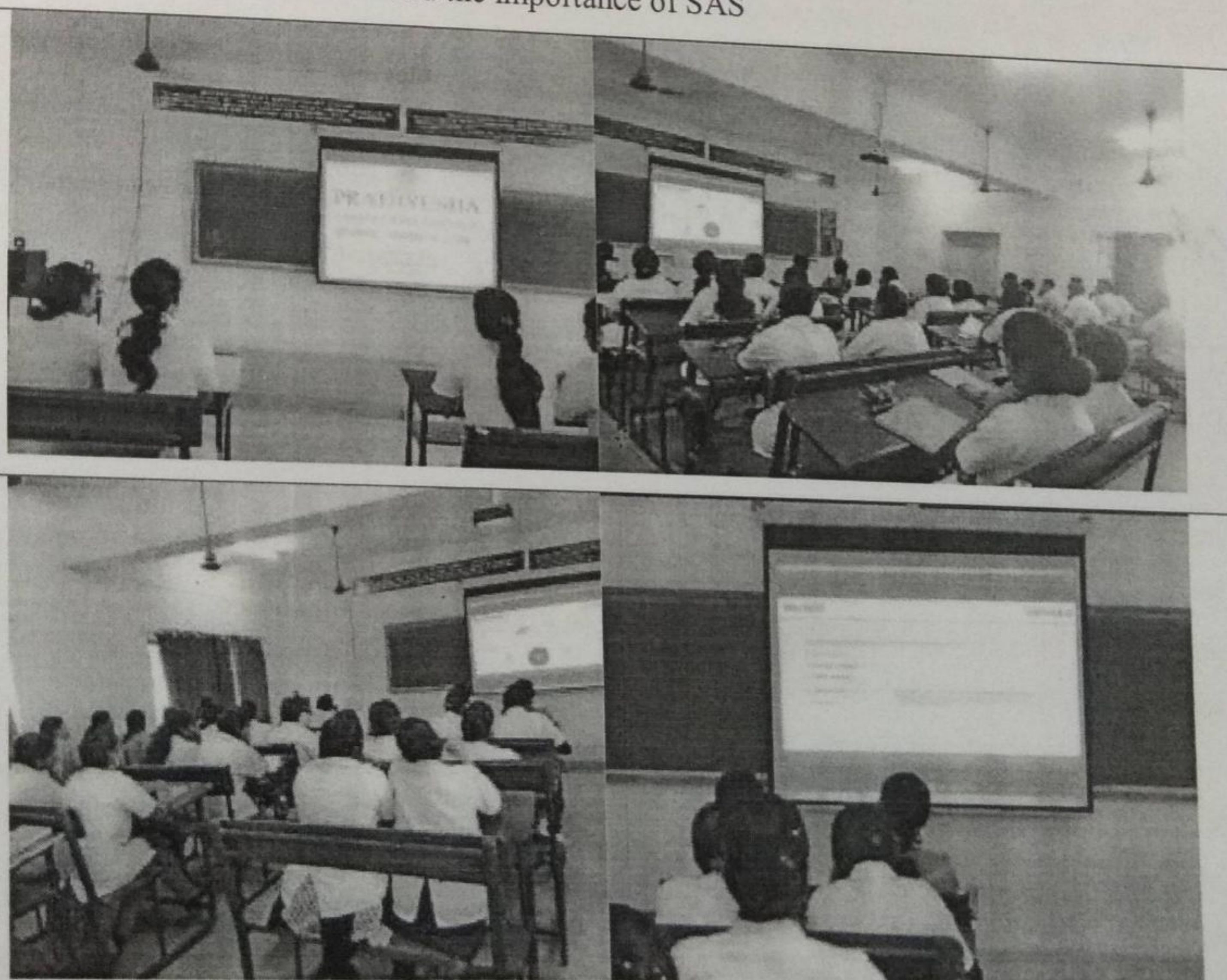


Bioinfotech club

The webinar was started with what is SAS and what is the importance of SAS, How it could be helpful in biological data. The basics of data and terms were described in detail. The importance of SAS was justified by comparing with other tools used for statistical analysis. Other online source of statistical analysis and purchased statistical analysis. The important terms used for programming was described.

OUTCOME OF THE WEBINAR

- The members got motivated to proceed further to learn about SAS
- The basic information about SAS were learnt
- The members got idea on application orientated
- The members understood the importance of SAS



Technical club in- charge

HOD

PRINCIPAL

2. Animal tissue culture

45 (19)

PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF BIOTECHNOLOGY
ANIMAL TISSUE CULTURE WORKSHOP

The department of Biotechnology proudly organising a two day workshop on "Animal Tissue Culture" from 10.01.2020 to 11.01.2020 with Life Teck Research Centre.

DAY 2

SESSION IV

Cell Viability (Tryphan Blue Assay)
09:00 AM - 10:00 AM

BREAK

10:00 AM - 10:30 AM

SESSION V

Anti-Cancer Activity (MTT Assay)
10:30 AM - 12:00 PM

LUNCH

12:00 PM - 01:00 PM

SESSION VI

Cryopreservation
01:00 PM - 02:00 PM

BREAK

02:00 PM - 02:30 PM

VALEDICTION

02:30 PM - 03:30 PM

Valedictory Address

Prof. Dr. R. JAYAVEL

Crystal growth centre,
Former Director - Centre for Research,
Anna University, Chennai.

REGISTRATION

REGISTRATION FEE - 1000 INR per head

Opening of Registration - 21st December 2019
Closing of Registration - 07th January 2020

EVENT DATES

Day 1 - 10th January 2020 (Friday)
Day 2 - 11th January 2020 (Saturday)

VENUE

PRATHYUSHA ENGINEERING COLLEGE

Ananthiyal Kupam, Poonamallee - Thiruvallur
High Road, Thiruvallur, Tamil Nadu - 602026,
INDIA

Visit prowesevent.com for registration
through payment by Debit Card/ Credit
Card/ Internet Banking.

Candidates who cannot avail online
payment, kindly contact
+91-8870000149

Free accommodation for outside participants.

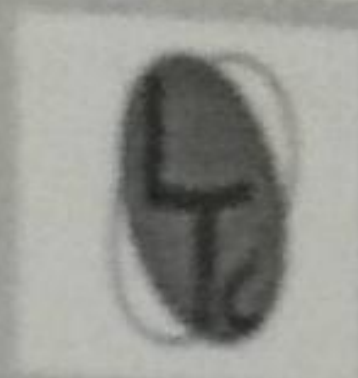
Only limited entries (First come first serve)

For any further details, kindly contact,

+91-8870000149

lifeteckchennai@gmail.com

Web : www.prowesevent.com



PRATHYUSHA ENGINEERING COLLEGE

and
LIFE TECK RESEARCH CENTRE

proudly presents



PROWESS

A TWO DAY NATIONAL LEVEL
WORKSHOP ON ANIMAL TISSUE
CULTURE

DATE : 10th & 11th JANUARY 2020

VENUE : PRATHYUSHA ENGINEERING COLLEGE

www.prowesevent.com

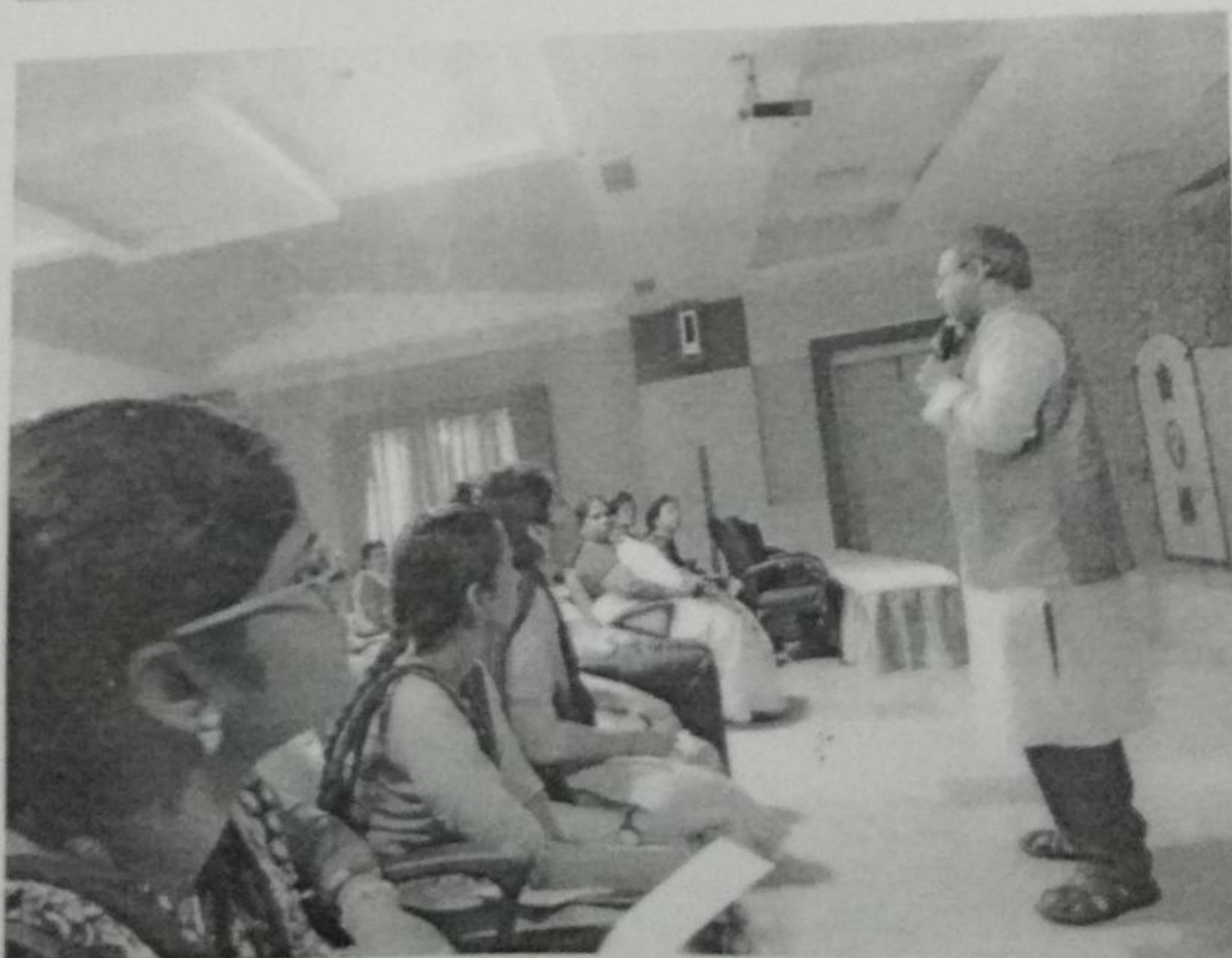
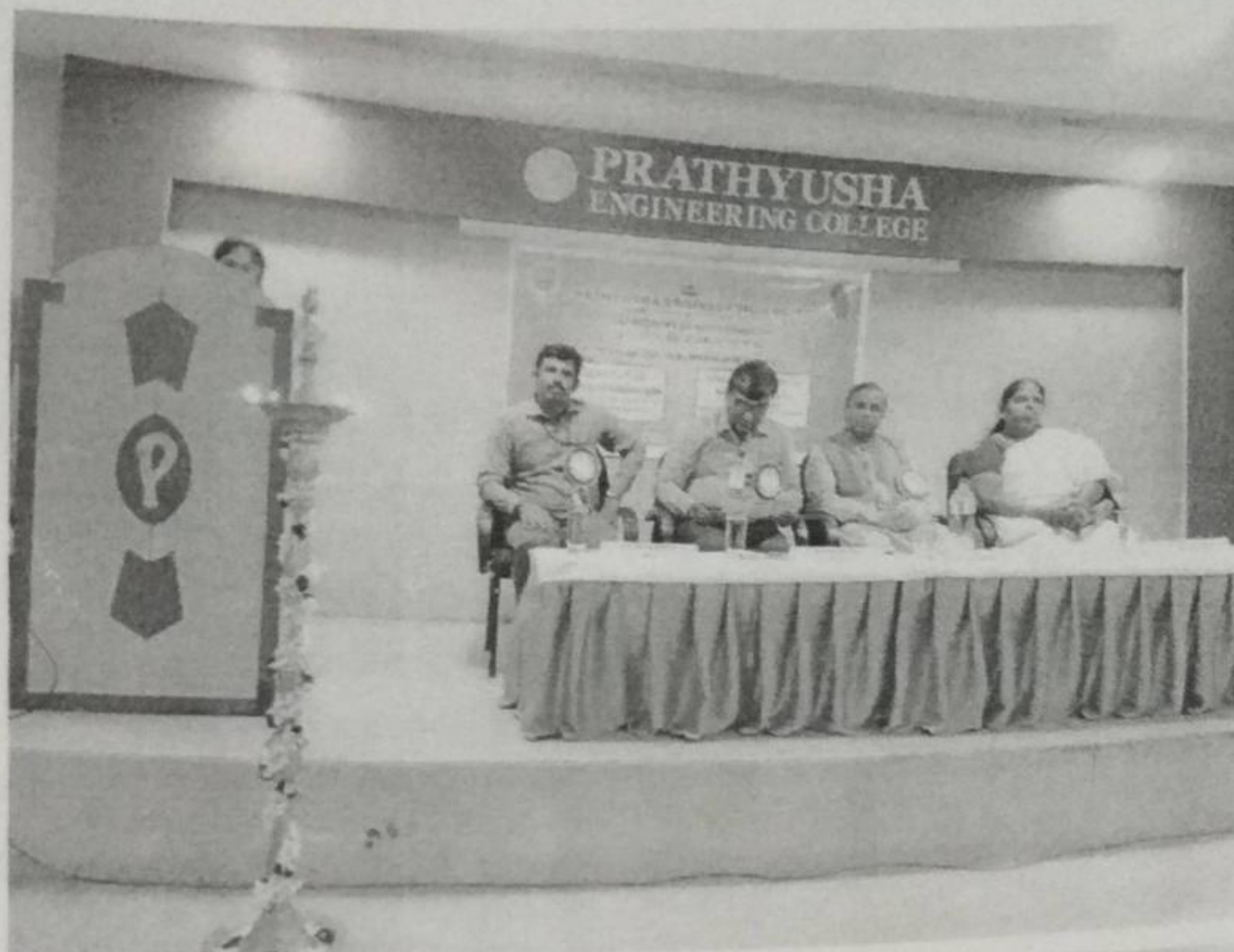
DEPARTMENT OF BIOTECHNOLOGY
A TWO DAYS NATIONAL LEVEL WORKSHOP ON
ANIMAL TISSUE CULTURE

The two days Workshop on ANIMAL TISSUE CULTURE Jointly organized by Department of Biotechnology and Life teck research centre on 10th & 11th, Jan, 2020. The main objective of the workshop is to provide valuable training in cell culture techniques through demonstrative and hands-on training.

Totally, **94 participants** (49 external + 44 internal) including students, research scholars and Academicians were attended the workshop from 19 institutions such as SRM university, Anna malai university, Adhiyamaan college, University of madras, Sri Ramachandra institute of higher education, Maher university, SSN college of Engineering, Sri Venkateshwara college of Engineering, Thigarajar college and Immugenix biosciences pvt ltd., from locations such as Hosur, Krishnagiri, Madurai, Chennai, Tiruvallur and Kancheepuram.

Day 1 was started with workshop inaugural speech by Dr.G.K .Suraishkumar IIT Madras on the “Patents clearance and economics of the animal tissue culture”. Further, the afternoon session was followed by an introduction to animal tissue culture and hands-on training of the media preparation for ATC and the prominent cell lines were microscopically observed.

Day 2 began with hands-on training of sub-culturing the adherent cells using the necessary chemicals. Following the methodology of the MTT assay, the cytotoxicity of the specific herbal extract was also learnt. Over the entire event was well utilized by students.



3. Application of statistics using Excel and SPSS research



PRATHYUSHA ENGINEERING COLLEGE



BIOINFO TECHNICAL CLUB

DEPARTMENT OF BIOTECHNOLOGY

**We take immense pleasure in inviting you to the
WORKSHOP**

on

**APPLICATION OF STATISTICS USING
EXCEL AND SPSS IN RESEARCH**

By

Prof. Dr. K. MARIMUTHU

Faculty of Applied Sciences, AIMST University, Malaysia.

at

**PRATHYUSHA ENGINEERING COLLEGE
Mega lab - Microsoft**

on

04.03.2020 and 05.03.2020

Shri.P.RAJARAO
Chairman

Srmt. PRATHYUSHA
CEO

Shri.SAIRAM VASU
Advisor

WORKSHOP ON APPLICATION OF STATISTICS USING EXCEL AND SPSS IN RESEARCH AGENDA

	Day 1: 04 March 2020 (Wednesday)
09.00 – 10.00 am	Registration
10.00 – 10.30 am	Inaugural ceremony
10.30 – 11.30 am	Basic Concepts and Application of Statistics in Research
11.30 – 11.45 am	Tea Break
11.45 – 01.00 pm	Excel functions, Graphical Presentation, Data Analysis using Excel – Hands-on Exercise
01.00 – 02.00 pm	Lunch
02.00 – 03.30 pm	Introduction to SPSS – Data Entry, Define variables & Labels, Recoding, Computation, Split files, Frequency Analysis, Descriptive Statistics
03.00 – 03.45 pm	Tea Break
03.45 – 05.00 pm	Testing Data Normality Assumption, Graphical Representation, Cross Tabulation & Chi-Square Test, Kappa Test, Mc’Nemars Test, Somers D Test, Binomial Test
	Day 2: 05 March 2019 (Thursday)
09.00 – 10.00 am	Parametric methods: t-tests, One sample t-test, Two-sample Independent t-test, Paired t-test, Analysis of Variance
10.00 – 11.00 am	Two Way Analysis of Variance, Three-Way ANOVA, Repeated Measures of ANOVA, ANCOVA, MANOVA
11.00 – 11.15 am	Tea Break
11.15 – 01.00 pm	Correlation Analysis (Pearson, Spearman, Partial correlation, Kendall’s tau b Correlation, Linear regression, Probit Analysis, Reliability Analysis (Cronbach’s Alpha α))
01.00 – 02.00 pm	Lunch
02.00 – 03.30 pm	Nonparametric methods: Mann-Whitney U Test, Wilcoxon Signed Rank Test, Kruskal-Wallis Test, Median Test, Friedman Analysis, Cochran's Q Test,
03.30 – 03.45 pm	Tea Break
03.45 – 04.30 pm	Multiple Regression Analysis, Cluster Analysis, Factor Analysis
04.30 pm	Certificate Awarding

Dr. RAMESH P L N
Principal

Dr. P. DHASARATHAN
HOD-Biotech

Dr. M. THENMOZHI
Club co-ordinator

HT (20)

WORKSHOP ON APPLICATION OF STATISTICS USING EXCEL AND SPSS IN RESEARCH

ABOUT THE WORKSHOP

SPSS is a widely used statistical program used for data analysis in social sciences, biological and health sciences. SPSS is a powerful suite of data analytics, reporting, and modeling software. This workshop will be useful for researchers and postgraduate students in different disciplines such as medicine, public health, life sciences, social sciences, allied health professions and other arts and science professionals. This workshop is designed to introduce the principles of biostatistics to researchers who are in need of statistical application and data analysis. This course is also aimed to introduce basic concepts of statistics, demonstrate some of the basic and advanced statistical methods used in biological sciences, health sciences, medical sciences, and sociological sciences research, to improve the participants' ability to understand and use appropriate statistical tests and analyze the data.

OBJECTIVE OF THE WORKSHOP

1. To provide the participants with the skills to use SPSS, a statistical software program, and Excel for processing and analyzing survey and experimental data.
2. To introduce the basic functions and application of SPSS and Excel.
3. To introduce participants to the basics of statistics by using Excel and SPSS Statistics, and learn how to perform descriptive statistics and graphics and basic inferential statistics for comparison of means and correlations, regression and multivariate analysis.

Resource Person:

Professor Dr. K. MARIMUTHU

Resource Person

Faculty of Applied Sciences, AIMST University,

08100 Semeling, Kedah Darul Aman, Malaysia.

T: +604 - 429 8081 /HP: +6016 - 4723672

Email: marimuthu@aimst.edu.my



ESTD. 2001

PRATHYUSHA

ENGINEERING COLLEGE

BIOINFO TECH CLUB
DEPARTMENT OF BIOTECHNOLOGY

WORKSHOP ON APPLICATION OF STATISTICS USING EXCEL AND SPSS IN RESEARCH AGENDA

	Day 1: 04 March 2020 (Wednesday)
09.00 – 10.00 am	Registration
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01.00 – 02.00 pm	Lunch
02.00 – 03.30 pm	Nonparametric methods: Mann-Whitney U Test, Wilcoxon Signed Rank Test, Kruskal-Wallis Test, Median Test, Friedman Analysis, Cochran’s Q Test,
03.30 – 03.45 pm	Tea Break
03.45 – 04.30 pm	Multiple Regression Analysis, Cluster Analysis, Factor Analysis
04.30 pm	Certificate Awarding

Report on 2-day workshop

“APPLICATION OF STATISTICS USING EXCEL AND SPSS IN RESEARCH”

**Organized by BIOINFO TECHNICAL CLUB
department of biotechnology Prathyusha Engineering
College & associated with AIMST university,
Malaysia**

Date : 4-5th March 2020

Contents

Sno	Contents
1.	Introduction
2.	Basic concepts in excel
3.	Introduction and application of SPSS in research
4.	Conclusion
5.	Acknowledgement

Introduction

"Without big data analytics, companies are blind and deaf wandering out on to the web like deer on a free runway"

-Geoffrey Moore

SPSS is a widely used statistical program used for data analysis in social sciences, biological and health sciences. SPSS is a powerful suite of data analytics, reporting, and modeling software. In addition to that, this workshop aimed in enlightening the participants over application of the basic concepts of excel and SPSS. Such in-depth information on a beautiful topic as this was possibly conveyed clearly in the brief time by Prof. Dr. K. Marimuthu has obtained his Ph.D. in (Zoology/ Environmental Biotechnology interdisciplinary) from Manonmaniam Sundaranar University, Tamilnadu, India. He is currently a Professor at the Department of Biotechnology AIMST University, Malaysia for the last 10 years. He teaches Aquaculture, Biostatistics, Research Methodology, Biology of Invertebrates and Vertebrates courses for BSc (Hons) Biotechnology.

Basic concepts in excel

Among the computer programs which exist, Microsoft Excel is one of the most important because of the key role it plays in many sectors. It is the most used spreadsheet program in many business activities, classwork and even personal data organization. Excel was first released in the year 1985. Since then, it has played a vital role in performing formula based arithmetic and calculations, and other activities that may require mathematical calculations. Many businesses, personal institutional enterprises and students like myself learnt to embraced the use of Excel from this workshop because of its utility and the ability to serve as a visual basic for different applications including:

- biological sciences
- health sciences
- medical sciences
- And sociological sciences research.

- Analysis of Variance
- Two Way Analysis of Variance, Three-Way ANOVA, Repeated Measures of ANOVA, ANCOVA, MANOVA
- Correlation Analysis (Pearson, Spearman, Partial correlation, Kendall's tau b Correlation, Linear regression, Probit Analysis, Reliability Analysis (Cronbach's Alpha α))
- Nonparametric methods: Mann-Whitney U, Wilcoxon Signed Rank, Kruskal-Wallis, Median, Friedman Analysis, Cochran's Q Test
- Multiple Regression, Cluster, Factor Analysis

Conclusion

The workshop was a food for the brains of the enthusiastic minds. Such brain food if not from the words of experienced, successful, and authorized personalities such as Prof. Dr. K. Marimuthu, would be a needle in a haystack task.

In a nutshell, through the guest lecture a spark was being set and it is just a matter of time for this spark to blaze as a forest fire.

Acknowledgement

I thank the management for supporting the workshop by such an esteemed guest for our department. I thank our head of the department Dr. P Dhasarathan for being the spine of this event. I also render my special thanks to our professor Dr Ranjith Singh to have given us this opportunity to learn things beyond our syllabus. I would like to cherish my gratitude for the souls who were responsible for organizing such an event.

Introduction and application of SPSS in research

SPSS is revolutionary software mainly used by research scientists which help them process critical data in simple steps. Working on data is a complex and time consuming process, but in this workshop we learnt how this software can easily handle and operate information with the help of some techniques. These techniques are used to analyze, transform, and produce a characteristic pattern between different data variables. In addition to it, the output can be obtained through graphical representation so that a user can easily understand the result. They included

REGISTRATION FORM

Full name :
 Organization ;
 Institution :
 Mailing address :
 Phone no :
 Whatsapp /
 facebook :
 E-mail id :

Registration fees (Accommodation NOT included) (includes three meals/ day, tea breaks, abstract book and conference kit)

Indian delegates :

Student delegate :

Accommodation	Onsite	Off-site
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Note : Onsite tariff: Dormitory- INR 100/ day,
 Sharing – INR 200/day

This will be confirmed on payment and availability.

Airport Pick-up:	Required	Not required
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Payment
 Method :
 Beneficiary
 Name :
 Account
 Number :
 Address :
 Bank Name :
 Bank Branch :

CHIEF PATRONS:

Shri. P. Raja Rao, Chairman

Smt. P. Prathyusha, CEO

PATRON: Mr. M. Vasu, Advisor

CONVENOR: Dr. P.L.N.Ramesh

Principal, Prathyusha Engineering College

CO-ORDINATORS:

Dr A. J. A. Ranjit Singh

Professor, Dept. of Biotechnology

Dr. P. Dhasarathan

HOD, Dept. of Biotechnology

MEMBERS:

Mr. K. Chalapandian, Asso. Prof.,

Dr. A. Praveena, Asst. Prof.,

Dr. M. Thenmozhi, Asst. Prof.,

Ms. D. Joyce Hellen Sathya, Asst. Prof.,

Ms.R.K.Kavitha Shri, Asst. Prof.,

EARLY BIRD REGISTRATION FEES:

Academician : INR 1000

PEC Delegates : INR 500

Students Delegates : INR 500

IMPORTANT DEADLINES:

Early Bird Registration: 25th Feb 2020

Registration Link (Copy and Paste):

<https://docs.google.com/forms/d/11Hmi1um9SJbM7PrYKbVQfaDZU94EBR91K7OWyOy7zaQ/edit>

CONTACT US :

Email: spssworkshop45@gmail.com

Phone: 044-37673767

Poonamallee- Tiruvallur High Road
 Chennai – 602025, Tamil Nadu.

Mobile Whatsapp:
 +919843192763

WORKSHOP ON APPLICATION OF STATISTICS USING EXCEL AND SPSS IN RESEARCH

Organized by



Bioinfo Technical Club
 Department of Biotechnology
 Prathyusha Engineering College
 Association with
 AIMST University, Malaysia



4th – 5th March 2020

Venue

Computational Biology Lab,
 PEC , Chennai-602025



Prathyusha Engineering College is established by Prathyusha educational trust promoted by Prathyusha group of companies, who are into shipping, logistics, warehousing, power, aqua and construction, fertilizers, mining and real estate. The college is situated at Aranvoyaluppam along Poonamalle – Thiruvallur high road. PEC, a Telugu minority institution is affiliated to Anna University, Chennai and approved by AICTE. PEC is accredited by NBA & NAAC "A" Grade and stepping into a glorious 19th year of meaningful educational service. PEC offers undergraduate programme in B.E., (ECE, EEE, CSE, Civil and Mech.) and B. Tech (Biotech & IT) and 4 postgraduate programme (including CSE, Communication systems, Biotechnology and Structural Engineering). PEC aesthetically designed campus is spread over 60 acres and has about 2,50,000Sq.ft. build-up area. Excellent infrastructure facilities, well maintained eco-friendly campus, digital class rooms, state of art laboratories, modern library, separate hostel for boys and girls and students' centric academic ambience are just a few of the many sterling features of that go into making PEC a front runner in technical education.

About the Workshop

SPSS is a widely used statistical program used for data analysis in social sciences, biological and health sciences. SPSS is a powerful suite of data analytics, reporting, and modeling software. This workshop will be useful for researchers and postgraduate students in different disciplines such as medicine, public health, life sciences, social sciences, allied health professions and other arts and science professionals. This workshop is designed to introduce the principles of biostatistics to researchers who are in need of statistical application and data analysis. This course is also aimed to introduce basic concepts of statistics, demonstrate some of the basic and advanced statistical methods used in biological sciences, health sciences, medical sciences, and sociological sciences research, to improve the participants' ability to understand and use appropriate statistical tests and analyze the data.

To provide the participants with the skills to use SPSS, a statistic software program, and Excel for process, and analyzing survey and experimental data.

To introduce the basic functions and application of SPSS and Excel.

To introduce participants to the basics of statistics by using Excel and SPSS Statistics, and learn how to perform descriptive statistics and graphics and basic inferential statistics for comparison of means and correlations, regression and multivariate analysis.

Day 1: 04 March 2020 (Wednesday)	
Time	Agenda
10.00-10.30 am	Opening Ceremony
10.30 – 11.30 am	Basic Concepts and Application of Statistics in Research
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03.45 – 05.00 pm	Testing Data Normality Assumption, Graphical Representation, Cross Tabulation & Chi-Square Test, Kappa Test, McNemars Test, Somers D Test, Binomial Test
Day 2: 05 March 2020 (Thursday)	
09.00 – 10.00 am	Parametric methods: t-tests, One sample t-test, Two-sample Independent t-test, Paired t-test, Analysis of Variance
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03.45 – 04.30 pm	Multiple Regression, Cluster, Factor Analysis
04.30 pm	Certificate Awarding

Who should attend:

We cordially invite Engineering in all streams, Arts and Science, medical students, Faculty and Research scholars from India and across the globe to participate and use statistical tools in project work.

BIOGRAPHY OF THE RESOURCE PERSON

Prof. Dr. K. Marimuthu has obtained his Ph.D. in (Zoology/ Environmental Biotechnology interdisciplinary) from Manonmaniam Sundaranar University, Tamilnadu, India. He is currently a Professor at the Department of Biotechnology AIMST University, Malaysia for the last 10 years. He teaches Aquaculture, Biostatistics, Research Methodology, Biology of Invertebrates and Vertebrates courses for BSc (Hons) Biotechnology.

He is specialized in Aquaculture, fish reproduction & breeding, fish immunology and aquatic toxicology related research. He has published more than 100 research publications in fisheries and aquaculture fields in various reputed and indexed journals.

He has participated in more than 35 local and international conferences, seminars, and workshops. He is an external examiner for six Indian Universities (Manonmaniam Sundaranar University, Annamalai University, Bharathiar University, Bharathidasan University, Madras University, Chennai, and Priest University, Thanjavur), Tamilnadu, India.

He has been using SPSS statistical software for the last 15 years and conducted several sessions of SPSS workshop and training for researchers and students in Malaysia, India Thailand, and Srilanka. He was also served as Deputy Vice-Chancellor, Academic and International Affairs (2016-2017), AIMST University, Malaysia.

4. AICTE sponsored International conference on novel approach of biotechnology and bioengineering in health care system



GOC - Sanction Letter

To
The Drawing and Disbursing Officer
All India Council for Technical Education
Nelson Mandela Marg, Vasant Kunj,
New Delhi-110070

Subject: Release of a sum of Rs. 5,00,000/- (Rupees Five lakh only) as Grant-in-Aid to conduct Conference under the scheme **Grant for Organizing Conference (GOC)** for the year 2018-19 payable during the current financial year 2019-20-reg.

Sir,

With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of Rs. 5,00,000/- (Rupees Five lakh only) to conduct Conference under the scheme **Grant for Organizing Conference (GOC)**, as per details given below:

1.	Name and address of the Beneficiary Institution:	Director/ Principal/ Registrar Prathyusha Engineering College, Poonamallee-Tiruvallur High Road, Aranyoyalkuppam, Thiruvallur, Tamil Nadu-602025
2.	Permanent ID of Institute:	1-16570211
3.	Title of Conference:	INTERNATIONAL CONFERENCE ON NOVEL APPROACH OF BIOTECHNOLOGY AND BIOENGINEERING IN HEALTH CARE SYSTEM
4.	Name of Coordinator:	Dr.P. Dhasarathan
5.	Grant-in-aid Sanctioned:	Rs. 5,00,000/- (Rupees Five lakh only)
6.	Amount to be released during the year 2019-20:	Rs. 5,00,000/- (Rupees Five lakh only)
7.	Sanctioned grant-in-aid is debitable to:	Major Head 601. 17 (a) Gen (GOC) Plan Head)

1. The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education, New Delhi on the Grant-in-aid bill and shall be disbursed to and credited to the account of Registrar/Director/Principal of the institute through RTGS.
2. This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated and also being communicated in this letter.

The instructions/guidelines to be followed by College/Institution

I. Release of funds

- a. The Principal/Director of the institute and the Coordinator of the program are hereby requested to verify the correctness of the undermentioned bank account/ RTGS details submitted by them along with the Proposal/Estimated expenditure details, against which the grant is being released:

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAATP 5521H	STATE BANK OF INDIA	Thiruvallur Branch-0937	J. N. Road, Thiruvallur, Thiruvallur-District, TN	Principal, Prathyusha Engineering College	Current Account	38418263794	SBIN000 0937

In case of any omission the same should be reported to AICTE immediately.

The full amount of the grant sanctioned is being released as advance to the College/ Institute.
This sanction is issued in exercise of the powers delegated to the Council and other terms and condition laid down in the guidelines of the scheme.

I. Limit of Funding

- The total required fund of Rs. 15 Lakhs for organizing conference will be Rs 10 Lakhs contributed by the Institute and the remaining Rs. 5 Lakhs shall be granted by the AICTE.
- However, the grant from AICTE will be Rs. 5 Lakhs or 1/3rd of the total expenditure incurred for organizing the Conference, whichever is lesser, if expenditure/ estimate/ budget for the conference is less than Rs. 15 Lakhs.

III. Submission of documents by college/institution to AICTE on receipt of grant

- The Acceptance letter with dates for Organizing Conference should reach this office within 15 days from the date of receipt of this Sanction Letter duly signed and sealed by Coordinator and Head of the Institutions alongwith permission/clearance of Govt. of India for Organizing Conference.

IV. Maintenance of accounts

- The Institute shall strictly follow the provisions laid down in the scheme document and sanction Letter No. F. No. 67-71/ RIFD/GOC/Policy-1/2018-19 dated: 15.11.2019_ issued by this office. All correspondence related to the conference must contain this number alongwith year of sanction of the conference failing which correspondence will not be entertained.
- Funds covered by this grant shall be kept separately and would not be mixed up with other funds, so as to know the amount of interest accrued on the grant.
- The University/College/Institute shall maintain proper accounts of the expenditure out of the grant.
- The Council or its nominee shall have the right to check/verify the account to satisfy that the fund has been utilized for the purpose for it was sanctioned.

V. Refund of grant to AICTE (by way of a demand draft in favour of Member Secretary, AICTE, New Delhi)

- In case the event is cancelled, the fund released should be immediately refunded to AICTE with interest accrued thereon.
- The grant shall be refunded to AICTE if the Letter of Approval (LOA) or Extension of Approval is not issued by AICTE to the institute for the academic year 2019-20
- The proposed/approved Conference shall be conducted within 12 months from the date of receipt of grant. If conference is not conducted within stipulated time period, the released amount, alongwith interest accrued thereon, has to be necessarily returned to AICTE within one month, failing which penalty @ 18% will be levied.
- Interest accrued on the grant released, shall be refunded to AICTE.
- No payment is permissible against the conference **already conducted** before the receipt of AICTE Letter dated-04.06.2019 regarding submission of the estimated expenditure. Such institutions are liable to refund the grant if have no plan of conducting the conference ahead.
- As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.

VI. Submission of documents by college/institution to AICTE after conduct of conference

The following documents must be submitted to AICTE within a period of one month, from the date of conduct of Conference:

- Feedback form in the prescribed proforma.

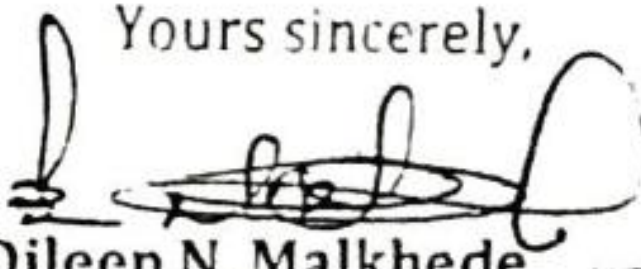
Dated-15th November, 2019

F No.67-71/RIFD/GOC/POLICY-1/2018-19

- b. Original Statement of actual Expenditure & Utilization Certificate in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Photocopies of formats are enclosed.
- c. Copy of the proceedings/Project completion report.
- d. Attested photocopies of supporting vouchers/bills of expenditure incurred for Organizing Conference.
- e. Soft copy of photographs of conference.
- f. One video of 1-minute duration mentioning: (i). Introduction of the Coordinator mentioning the name and state of institute. (ii). Conference details and achievements attained through Conference. (iii). How the Conference was beneficial to students, faculty and institute? (iv). Thanking message for AICTE support.

VII. General instructions

- a. Any Change in the programme for holding Conference, change of Coordinator name, Venue and Date should be effected with prior approval of the Council, failing which the sanction for the grant already issued would be treated as automatically withdrawn.
- b. The assets acquired wholly or substantially of the All India Council for Technical Education's grants shall not be disposed or encumbered or utilized for the purposes other than those for which it was given without proper sanction of the Council and should, at any time the Institution ceased to function, such assets shall revert to the All India Council for Technical Education.
- c. The beneficiary institute will make best efforts to promote the scheme by mentioning the sponsorship/support from AICTE, carrying the Logo of AICTE in conference and other means.
- d. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.
- e. This Sanction Letter may be treated as Offer Letter for all purposes.

Yours sincerely,

Dileep N. Malkhede
Advisor (RIFD)

12 2 NOV 2019

Copy forwarded for information and necessary action to:

1. Name and Address of the Coordinator
Dr.P. Dhasarathan
Prathyusha Engineering College,
Poonamallee-Tiruvallur High Road,
Aranyoyalkuppam, Thiruvallur,
Tamil Nadu-602025
2. The Registrar / Director / Principal
Prathyusha Engineering College,
Poonamallee-Tiruvallur High Road,
Aranyoyalkuppam, Thiruvallur,
Tamil Nadu-602025
3. Guard File

Page-3

QIS Application ID : 1-4151394129

Delegates for Invited Sessions

Day 1 - Delegates

Dr. K. Marimuthu. Professor, Dept. of Biotechnology, AIMST university, Malaysia
Dr. S. Suresh Kumar, Professor, Dept of Medical Microbiology & Parasitology, University Putra Malaysia, Malaysia.
Dr. Ramasamy Muthu Senior Consultant, Transplantation Immunology & Molecular Diagnostics, Global Health city, Chennai
Dr. M. Deepanraj AI- Robotics, Corporate Trainer, Chennai
Dr R. Brawin Kumar Chinese Academy of Science, Beijing, China.
Dr. R. R. Mosae Selvakumar Asian University for women, Chittagang, Bangladesh.

Day 2 - Delegates

Prof. A. J. A. Ranjit Singh ✓ Chancellor (Ceremonial), Mosa University, Zambia
Dr. Arunachalam Ramaiah Dept of ecology and evolutionary biology, University of California, Irvine.
Dr. Sailaja Elchuri, Professor, Sankara Nethralaya, Chennai.
Dr. G. Ramesh Kumar Professor & Head, Dept of Bioinformatics AUKCB, MIT Campus, Chennai.
Dr. A. Usha Raja Nandhini ✓ Professor, Dept of Biotechnology Mother Teresa university, Dindugal.
Dr. A.K. Munirajan ✓ Professor and Head, Department of Genetics Dr ALM PG Institute of Basic Medical Sciences, University of Madras, Taramani Campus, Chennai.



PRATHYUSHA
ENGINEERING COLLEGE



AICTE sponsored

**INTERNATIONAL CONFERENCE
ON**

**“NOVEL APPROACH OF BIOTECHNOLOGY
AND BIOENGINEERING IN HEALTH CARE
SYSTEM”**

6th – 7th March 2020

Organized by

**DEPARTMENT OF BIOTECHNOLOGY
PRATHYUSHA ENGINEERING COLLEGE
(NAAC“A” & NBA accredited Institution)
Chennai- 602025**



PRATHYUSHA ENGINEERING COLLEGE DEPARTMENT OF BIOTECHNOLOGY



Cordially invite you to the
Inaugural function of

AICTE sponsored

International Conference on
“Novel approach of Biotechnology and Bioengineering in health
care system”

at 9.30 am on Friday, 6th March 2020 at PEC Seminar Hall

Dr. K. Marimuthu, Professor

Dept. of Biotechnology, AIMST University, Malaysia

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

Dr. S. Suresh Kumar, Professor,

Dept. of Medical Microbiology, University Putra Malaysia, Malaysia

Will deliver Keynote address

Dr R. Brawin Kumar

Chinese Academy of Science, Beijing, China

Will deliver the special address

Shri P.Raja Rao

Chairman, Prathyusha Engineering College

Will preside over the function

Dr. P. DHASARATHAN
Organizing Secretary

Dr.A.J.A.RANJITSINGH
Co-Convenor

Dr. RAMESH P L N
Convenor & Principal



PRATHYUSHA ENGINEERING COLLEGE DEPARTMENT OF BIOTECHNOLOGY



Cordially invite you to the
Valedictory function of

AICTE sponsored

International Conference on
“Novel approach of Biotechnology and Bioengineering in health
care system”

at 2.45 pm on Saturday, 7th March 2020 at PEC Seminar Hall

Dr. A.K. Munirajan, Professor

IBMS, Madras University

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

Dr. A.J.A.Ranjitsingh, Professor /

Dept. of BT, PEC

Will deliver the special address

Shri P.Raja Rao

Chairman, Prathyusha Engineering College

Will preside over the function

Shri.SAIRAM VASU
Advisor

Srmt. PRATHYUSHA
CEO

Shri.P.RAJARAO
Chairman



PRATHYUSHA ENGINEERING COLLEGE



DEPARTMENT OF BIOTECHNOLOGY

CONFERENCE REPORT

AICTE sponsored International Conference on NOVEL APPROACH OF BIOTECHNOLOGY AND BIOENGINEERING IN HEALTH CARE SYSTEM" (ICNBHS - 2020) Organize by the Department of Biotechnology, Prathyusha Engineering College on 6th – 7th March 2020.

The confirmation letter for Grant for Organizing Conference (GOC) for the year 2018 – 2019 was received (F.No.67-71/RIFD/GOC/POLICY-1/2018-19 dated 15th November, 2019) on 02.01.2020 with the sanctioned amount of Rs. 5,00,000 /- (Rupees Five Lakh Only) as a grant aid to conduct Conference.

The event was planned to be conducted on 6 – 7th March, 2020 by allotting various organizing committee members of faculty and students in the meeting held with the Principal on 03.01.2020 at 10.00 am in the boardroom of Prathyusha Engineering College.

The list of committee members

Name	Role in Conference
Dr. Ramesh P L N	Convenor & Principal
Prof. A J A Ranjith Singh	Co-Convenor
Dr. P. Dhasarathan	Organizing Secretary
Mr. K. Chalapandian	Organizing Committee members
Dr. A. Praveena	Organizing Committee members
Ms. D. Joyce Helen Sathya	Organizing Committee members
Ms. R. Kavithashri	Organizing Committee members

The Brochure for ICNABHS – 2020 along with online registration and abstract submission link was communicated to the India and abroad Colleges through post and mail.

Totally 103 abstracts were received from various places. Among that 81 (45 + 36) was selected for paper presentation and poster presentation. The selected articles will be published in special issue of Global Journal of Modern Biology and Technology (ISSN: 2277 6656).

The event was planned to conduct with 12 invited speakers and 10 Experts from various domain.

Day 1 - Delegates

Dr. K. Marimuthu,

Professor, Dept. of Biotechnology, AIMST university, Malaysia

Dr. S. Suresh Kumar,

Professor, Dept. of Medical Microbiology & Parasitology, University Putra Malaysia, Malaysia.

Dr. Ramasamy Muthu

Senior Consultant, Transplantation Immunology & Molecular Diagnostics, Global Health city, Chennai

Dr. M. Deepanraj

AI- Robotics, Corporate Trainer, Chennai

Dr R. Brawin Kumar

Chinese Academy of Science, Beijing, China.

Dr. R. R. Mosae Selvakumar

Asian University for women, Chittagang, Bangladesh.

Day 2 - Delegates

Prof. A. J. A. Ranjit Singh

Chancellor (Ceremonial), Mosa University, Zambia

Dr. Arunachalam Ramaiah

Dept. of ecology and evolutionary biology,
University of California, Irvine.

Dr. Sailaja Elchuri,

Professor, Sankara Nethralaya, Chennai.

Dr. Ramesh Kumar

Professor & Head, Dept of Bioinformatics

AUKCB, MIT Campus, Chennai.

Dr. Usha Raja Nanthini

Professor, Dept of Biotechnology

Mother Teresa university, Kodaikanal.

Dr. A.K. Munirajan

Professor and Head, Department of Genetics

Dr ALM PG Institute of Basic Medical Sciences, University of Madras, Taramani Campus, Chennai.

Experts:

Expert 1: Dr K.Valivittan / St. Peter's College of Engineering

Expert 2: Dr. A.J.A.Ranjitsingh / Prathyusha Engineering College

Expert 3: Mrs. Chitrakala / St. Peter's College of Engineering

Expert 4: Dr. Sai Ramesh / Vel Tech

Expert 5: Dr. Justin Jacob / St. Joseph College of Engineering

Expert 6: Dr. Balaji / Madha Engineering College

Expert 7: Dr. Vivek / Sasta Engineering College

Expert 8: Dr. Thiruvengadam / Rajalakshmi Engineering College

Expert 9: Mr. Murugan / HLL biotech

Expert 10: Dr. Selvaraj / Medox Biotech Pvt. Ltd.

The invitation and agenda was sent to all the delegates, experts, participants, Committee members and staff at Prathyusha Engineering College.

Totally 126 participants were registered and actively participated in ICNBHS – 2020. The program was held at seminar hall, Prathyusha Engineering College. The participants arrived on time for registration and received their conference kit. The conference was inaugurated in the presence of delegates (**Dr. K. Marimuthu**, AIMST University, Malaysia, **Dr. S. Suresh Kumar**, University Putra Malaysia and **Dr R. Brawin Kumar**, Chinese Academy of Science, Beijing, China), Patrons, Convenor, organizing secretary, Committee members, volunteers and participants.

Day 1 - 06.03.2020 - Friday, The inaugural ceremony was initiated at Seminar hall at Prathyusha Engineering College, with a prayer song by student volunteers. Dr. P. Dhasarathan Organizing secretary welcomed the gathering with a wonderful introduction and thanking AICTE for funding the conference. He also mentioned the number of participants registered from various institutions. He welcomed all the delegates, experts, organizing members, volunteers and participants. He further shared about the Department of Biotechnology, about the college facility and achievements.

Prof. AJA Ranjith Singh shared the objective of the conference, about the guest speakers and session titles. The main objective of the conference is to bring people together from diverse disciplines to review progress and to exchange ideas in all aspects of biotechnology and bioengineering, with topics ranging from cancer genomics and immunology, medical biotechnology, pharmaceutical biotechnology, enzyme and protein engineering, bioinformatics and systems biology, biosensors and bioelectronics, nano-biotechnology to bioprocess engineering etc. The conference is designed to cover all aspects of biotechnology so as to provide the Indian students to get an opportunity to learn many innovative thoughts from experts abroad. This will help all those who are interested in cutting edge research in biotechnology and bioengineering. This biotechnology meeting creates a platform for policymakers, scientists, representatives and decision makers in biotechnology to present their latest biotech research and learn about all the important developments in biotechnological research. The need of the emerging title was explained by him. Further the motivation was given by him to the participants.

Followed by the guests for the inaugural session were introduced and felicitated them with fruit bouquet, memento and gift. The presidential address was given by Dr. Ramesh PLN, Convenor & Principal. Appreciation to the Department of Biotechnology and about the students caliber was shared by him. The motivation speech was given to the participants.

The Souvenir of the ICNBHS - 2020 was released by all our dignitaries over the dias along the CD. The Inaugural address was given by Dr. Marimuthu, AIMST University, Malaysia. He felt pride to take part in this Conference and also insisted about the recent research development in the field of modern biotechnology. The Keynote address was given by Dr. S. Suresh Kumar, University Putra Malaysia. He appreciated the organizers and for arranging the gathering in a grand manner. He shared his own experience in his field and for the developmental

factors. The Felicitation address was given by Dr. R. Brawin Kumar, Chinese Academy of Science, Beijing, China. He advised the young researchers to carry out their innovation skills to patent level and appreciated the budding researchers on their interest in the domain. This inaugural session concluded at 10.40 am and the tea break was given to all with wonderful cake, juice and snacks.

Session 1

The session 1 was handled by the invited speaker Dr. K. Marimuthu, Prof., Dept. of Biotechnology, AIMST university, Malaysia under the title of "Application of Biotechnology in Aquaculture and Fisheries". He discussed the importance and use of biotechnology for fish production in aquaculture and fisheries. He also suggested that biotechnology applications can play a key role in enhancing productivity, improving efficiency and ensuring sustainability in aquaculture. The key phases of the fish culture including fish growth, nutrition, health, and fish reproduction can be improved through biotechnological applications with enhancement of growth rate and feed conversion efficiency, nutrition and product quality, stress management, vaccination, disease resistance, disease diagnosis and treatment, ploidy induction, genetic selection, and transgenesis.

Session 2

The session 2 was handled by the invited speaker Dr. S. Suresh Kumar, Professor, Dept. of Medical Microbiology & Parasitology, University Putra Malaysia, Malaysia under the title of Promising stem cell therapy for the future. The burgeoning medical technology has made great contributions to human health. However, the world still lacks effective methods to cope with major diseases such as cancer, AIDS and diabetes. In this context, stem cells have become the focus of biomedical research. In 1999, the research findings on stem cells were named the first of the top 10 scientific advances of the year by Science magazine. In 2000, the research on stem cells was named again one of the top 10 scientific advances of the year. Stem cells can give rise to various cell types in the human body and are important in cell repair and regeneration. Research has been done for years to develop biomaterials that can guide stem cells into specific fates, such as using physical cues. Given that stem cells can differentiate into all kinds of somatic cells to grow human tissues and organs, it is expected to radically treat such major diseases as Parkinson's disease, Alzheimer's disease, cancer and diabetes. Therefore, the research on stem cell therapy is considered to have great implications for science and society and also identified as a promising application in the industry. Stem cells can give rise to various cell types in the human body and is important in cell repair and regeneration.

Followed by session 2, the Guests, participants, Organizing members all were requested to take over the grand traditional lunch arranged at Dining hall. After lunch by 1.30 pm the next session was started.

Session 3

The Session 3 was handled by the invited speaker Dr. Ramasamy Muthu, Senior Consultant, Transplantation Immunology & Molecular Diagnostics, Global Health city, Chennai under the title Molecular technologies during donor selection for multi organ and stem cell transplantation. It was very knowledgeable to learn new techniques. He shared more ideas relevant to the transplantation. The transplant of organs is one of the greatest therapeutic achievements of the twentieth century. In organ transplantation, the adaptive immunity is considered the main response exerted to the transplanted tissue, since the principal target of the immune response is the MHC (major histocompatibility complex) molecules expressed on the surface of donor cells. The pioneer method to detect such antibodies is complement-dependent cytotoxicity (CDC), in the mid 1990s, it has been gradually replaced by more-sensitive solid-phase immunoassays (SPI) such as the enzyme-linked immunosorbent assay and the bead-based technology (i.e., flow cytometry: Flow PRA and Flow Analyzer-Luminex). The bead based technology transformation during donor selection for highly sensitized patient such Multiple transfusion, Multiparous women and repeated second or third transplantation patients need to screen Donor specific antibodies (DSA), virtual crossmatch and single antigen bead assay (SBA) to avoid hyper acute rejection and Post Transplantation long term graft survival.

Session 4

The Session 4 was handled by the invited speaker Dr. M. Deepanraj, AI- Robotics, Corporate Trainer, Chennai under the title of Artificial intelligence – A turn key for the Health care sector at 2.30 pm. It was very interesting to listen to the interdisciplinary domain to full-fill the innovative thoughts. He made the session quite interesting and made the participants have more enthusiasms. The aim of the converse is to differentiate different types of Machine learning systems and latest innovations that have been made in the field and especially in health care sectors like finding medicines, cancer and other disease detection and even recently scientists have found a way to detect coronavirus in just 10 seconds. Further travelling on different inputs that can be applied for machine learning systems and how it can be transformed for the health care sector. The session on best cases to be followed on to create a ML application and tips for researchers on how to create a standard paper in ML.

The tea break was given with snacks and tea.

Session 5

The Session 5 was handled by the invited speaker Dr R. Brawin Kumar, Chinese Academy of Science Beijing, China under the title of New and future developments in microbial biotechnology: Effect of drought and season on AM fungi in a subtropical secondary forest, China at 3.20 pm. He explained about understanding the impact of global climate change on biodiversity maintenance, community assembly and ecosystem functioning. And also to better understand the response of AM fungi to drought in different seasons, AM fungal extra-radical hyphal density, spore density and root colonization rate was explained by him.

Session 6

The Session 6 was handled by the invited speaker Dr. R. R. Mosae Selvakumar, Assoc. Prof. Asian University for women, Chittagang Bangladesh under the title Fabrication of biogenic silver nanoparticle incorporated medical textile based antimicrobial fabric using *Musa acuminata* Colla sap. His talk awas explained about previously unreported newly synthesized silver nanoparticles and incorporated into a fabric coated with the dye of *Vitex altissima* L. f possesses significant antimicrobial that can be used as a medical textile antimicrobial fabric. This gives an idea to the researchers to approach the availability of unreported data.

In parallel, the Oral Presentation of 20 presentation was carried out at the smart room of Dept. of Biotechnology, Prathyusha Engineering College. 20 poster presentation was evaluated at the drawing hall by various experts invited from various institutions. Three experts (Dr K.Valivittan, Dr. Justin Jacob, Dr. Selvaraj) for paper presentation and three experts (Dr. Balaji, Mrs. Chitrakala, Dr. Vivek) for poster presentation acted as a judge and evaluated. The skype presentation (7 participants) was evaluated by three experts (Dr. Sai Ramesh, Dr. Thiruvengadam, Mr. Murugan) at the boardroom between 3.00 pm to 5.00 pm.

Day – 2 (07.03.2020 - Saturday)

Session 7

The session 7 was handled by Prof. Prof. A. J. A. Ranjit Singh titled Bio inspired nanoparticles in human health care management at 8.00 am. That was a great inspiring session on the application of nanoparticles in human health care. that triggers the young mind to think on

medical application oriented synthesis of nanoparticles. There was a wonderful discussion with the participants at the end of the session.

Session 8

The session 8 was handled by Dr. Arunachalam Ramaiah Dept. of ecology and evolutionary biology, University of California, Irvine, titled Insights in to cross species evaluation of novel human Coronavirus 2019 – nCOV and defining immune determinants for vaccine development at 8.45 am in seminar hall.

In parallel, the remaining oral and poster presentation was evaluated by the same experts at the smart room and drawing hall respectively by 8.00 am.

Session 9

The session 9 was handled by Dr. Sailaja Elchuri, Professor, Sankara Nethralaya, Chennai, titled Omic approaches and metabolic modelling in eye disease research with emphasis on eye cancers. The knowledge she shared about the eye cancer and treatment process was really appreciable. On going research in Sankara Nethralaya on the same domain was shared by her. At the same the facility initiated by the institution for the research and about modern tools and diagnostic methods was explained by her.

Session 10

The session 10 was handled by Dr. Ramesh Kumar, Professor & Head, Dept of Bioinformatics, AUKCB, MIT Campus, Chennai, titled Next Generation Sequencing and its Applications in Healthcare. The session was interesting to analyse the sequencing in available tools and about with *In-Silico* analysis using authenticated software and list of available online tools was shared. He stated the various methods through which the DNA sequencing was conventionally done and the recent advancements after the intervention of NGS. He mentioned the vital role of NGS in the healthcare system. Like how NGS is an important tool in disease diagnosis, whole genome sequencing and library construction. He also briefed about the application of NGS in metagenomics. The discussion at the end was really appreciable that the participants had keen interest in the same domain.

The participants were instructed to have a tea break with fruit salad, juice and snacks.

Session 11

The session 11 was handled by Dr. Usha Raja Nanthini, Professor, Dept of Biotechnology, Mother Teresa university, Kodaikanal titled Perspectives on the neurological network of nature. The session was explained about the new diversion to understand the neurological network of nature. The session went well with colourful information. She initially began by giving an overall introduction about the various bionetworks in nature. After which she briefed out about the microorganism and its vital role in the ecological balance. She also stated about the importance of mushrooms, their types, and how their potential in being better alternatives. She further emphasised the medical importance of mushrooms as well as its significance in nutrition. She also stated that the use of mushrooms along with the advancement in technology would replace the conventional protein source and plastics too.

Then all were instructed to take over the grand lunch at 12.50 pm in Dining hall.

Session 12

The session 12 was handled by Dr. A.K. Munirajan, Professor and Head, Department of Genetics,

Dr. ALM PG Institute of Basic Medical Sciences, University of Madras, Taramani Campus, Chennai titled Pharmacogenomics and pharmacogenetics for personalized medicine: A research Update. He began by giving a brief introduction about the current state of art carried in cancer treatments and the various conventional treatments followed for cancer cure. He also explained how and why cancer treatments are not up to the mark in spite of having many researches done on it and many potent solutions are being proposed. He then explained how genomics plays an important role in cancer treatment and how each drug would vary in response to cancer according to their genome. He explained how drug receptivity varies from person to person and how a drug which gives positive results to a population might be harmful or has no effect on different populations. He also emphasized that various medicines which are already in the market for a different purpose other than cancer can also be used to treat cancer in combinations. he said it is wise to try anti-cancer drug research using the existing drug in the market to reduce the clinical trial period time of 16-17 years and that how effective it will be. His whole lecture focused on the importance of using personalised medicine for cancer by understanding the genome of a person. Each session speaker was honored by Fruit bouquet, memento and shall.

By 2.30 pm all were instructed to take their tea break provided with snacks and tea with cake.

The valedictory ceremony started at 2.45 pm by telecasting the conference overview clipping including the efforts taken by the volunteers, speech of volunteers taking part in the conference, feedback from participants, guests, committee members, convenor and organizing members, Presentation clippings and etc.

The dignitaries were invited to be on dais. The welcome address and Conference report was shared by Prof. AJA Ranjith Singh, Co-Convenor of the Conference. The valedictory guest Dr. A.K. Munirajan, Professor, IBMS, Madras University was introduced and felicitated by Dr. Ramesh PLN, Convenor of the Conference. The presidential address was given by Dr. Ramesh PLN, Principal & Convenor.

Feedback from participants was shared on dais. They felt happy taking part in this. Few suggestions also shared by them. At last the event winners for the paper presentation, poster presentation, young scientist award were honored by the dignitaries. Vote of thanks was given by Dr. P. Dhasarathan, organizing secretary of the conference. He mentioned thanks to the AICTE for grant and Management of Prathyusha Engineering College, Invited speakers, experts, Organizing members, Volunteers, Participants from various institutions for the successful completion of the conference. The conference concluded with the national anthem.

5. Bioinformatics in translational Drug discovery



PRATHYUSHA ENGINEERING COLLEGE

BIOINFOTECH CLUB
DEPARTMENT OF BIOTECHNOLOGY

Organised WEBINAR ON
"BIOINFORMATICS IN TRANSLATIONAL DRUG DISCOVERY"

Date & Time : 12.05.2020 & 4.00 pm.
Mode of webinar. : Zoom & URL link of social media
Total members participated
through zoom. : 100
through URL link. : 69

Resource person :

Ms. Yuktha Srinivasan, student coordinator, Bioinfotech club, Dept. of Biotechnology, PEC

OBJECTIVE:

- To create awareness of the modern drug discovery process involving bioinformatics tools and techniques.
- To instigate people to bring themselves in the solution side with the help of case studies of published works.
- To enable innovative breakthroughs in the scientific community based on translational research collaborations.

REPORT ON THE WEBINAR:

The webinar started at 4:00 pm with warm greetings to the participants and brief explanation of the need of this webinar at this point of hour. Following this the webinar started upon giving an introduction to bioinformatics. This was followed by the explanation of the growing trends leading to healthcare revolution. The audience upon capturing the concept of bioinformatics was introduced to translational research which was explained to them using simple examples such as the concept of biosensors.

Upon shedding light over the basics, the speaker introduced a case study of their publication on the topic "Exploring the horizons of Ephrin B2 Receptor to combat *Paramoxyviridae* infection". The modern drug discovery phases were explained using the *in-silico* techniques being implemented in the works of the speaker. The stages understood includes the disease mechanism study, finding the limitation in the existing treatments, implementation of bioinformatics analytics such as the study of drug likeness property, molecular docking study, and also the Quantitative Structure Activity Relationship prediction respectively.

The speaker also gave a glimpse of the advantage they possessed as a student of Prathyusha Engineering college and ended the webinar with the quote "Success is a matter of choice and not a matter of chance".



PRATHYUSHA ENGINEERING COLLEGE

PRATHYUSHA ENGINEERING COLLEGE

Department of Biotechnology presents
Webinar on

**BIOINFORMATICS IN
TRANSLATIONAL DRUG
DISCOVERY**

BY
YUKTHA. S. SHREENIVASAN

CONTACT US:
www.prathyusha.edu.in, 9843192763

Yuktha Shreenivasan's screen

STEP 1: UNDERSTANDING THE DISEASE MECHANISM

- ✦ The viral species that we focused on in our work is *Nipah* virus.
- ✦ This is a zoonotic pathogen known to enter into the host through the host cell Ephra B2 receptor using the fusion and attachment activity of E and G proteins respectively.
- ✦ It was known to follow this life cycle of viral replication. Further its attachment to the receptor enables that receptor to stay in activated state.

Yuktha Shreenivasan's screen

4:31 PM ...22.6KB/s

Close Participants (100)

Search

DM	Dr. M. Thenmozhi (me)	
S	Yuktha Shreenivasan (host)	
AG	Aiswarya Giridharan	
C	Charan	
	Nidhi Kala	
RS	realme 5i	
5	5baf51f2	
AP	Aarthi Prabakaran	
AK	Ajith Kumar .K	

Chats Invite



PRATHYUSHA ENGINEERING COLLEGE

Feedback from participants receives through mail:

"This is Yuva Rajeswari R from St.Peter's College of Engineering and Technology. I am glad that you have chosen to explore the ideas of your research work by giving us the webinar of this topic. Your contents are very much interesting. I am very much thankful for organizing this webinar in a great manner."

- **Ms. Yuva Rajeshwari**

"I am Dr.A.Rajalakshmi, Assistant professor Department of Biotechnology, Sri Kaliswari college, Sivakasi. Your presentation is very nice mam. My Ph.D. work 1 chapter full of bioinformatics so I already exposure to Autodock only mam. So I have got some idea from your presentation how to check our drug Bioavailability and absorption. QSAR techniques are new for us based on your seminar I will try to work out my compound with COVID-19 Virus mam."

- **Dr. A. Rajalakshmi**

"I am T. Shanthini Devi (Biotech 3rd yr), Biotechnology department, Prathyusha Engineering College Thiruvallur. My Feedback about the Webinar is that it was very informative and good explanation. Looking forward to attend more session like this."

- **Ms. T. Shanthini Devi**

Acknowledgement:

We would like thank our Principal for encouraging us to organizing such event through online. Also we are extending our sincere thanks to our Management for providing necessary facility To conduct this event.
Thanking you.

TECHNICAL CLUB IN-CHARGE

HOD

PRINCIPAL

6. Entrepreneurial aspects on Business plan, marketing strategies



PRATHYUSHA ENGINEERING COLLEGE

23

**ENTREPRENEURSHIP DEVELOPMENT CELL
DEPARTMENT OF
BIOTECHNOLOGY Organized
WEBINAR ON
“ENTREPRENEURAL ASPECTS OF BUSINESS PLAN AND MARKETING
STRATEGIES”**

Date & Time : 18.05.2020 & 4.00 Pm

Mode of webinar. : Zoom

**Total members participated
through zoom.** : 72

Resource person :

Ms. Anitha.S, 3rd year member, EDC, Dept of Biotechnology, PEC

Ms. Anithaa.S.S , 3rd year student coordinator, EDC, Dept. of Biotechnology, PEC

Ms. Priyadharshini. J , 4th year student coordinator, EDC, Dept. of Biotechnology, PEC

OBJECTIVE:

- To create awareness about the basics of entrepreneurship
- To provide insights about entrepreneurship, entrepreneur and Bio-entrepreneur
- To ensure the steps to become a successful entrepreneur
- To create awareness about the investment opportunities present in Tamil Nadu and nationally.
- Guidance to develop a business plan.
- To create awareness about marketing strategies.
-

REPORT ON THE WEBINAR:

Around 130 participants registered for the webinar and 72 joined the meeting. 30 of them were floating participants. The webinar started at 4:00 pm with warm greetings to the participants and brief explanation of the need of this webinar at this point of hour. Following this the webinar started upon giving an introduction about the Entrepreneur Development Cell of Prathyusha Engineering College and the Department of Biotechnology. This was followed by the explanation of entrepreneurship and definition of entrepreneur. A brief explanation was given on the needs of




PRATHYUSHA ENGINEERING COLLEGE

entrepreneurship, and on the steps to become a successful entrepreneur. The main qualities required by a successful entrepreneur were explained.

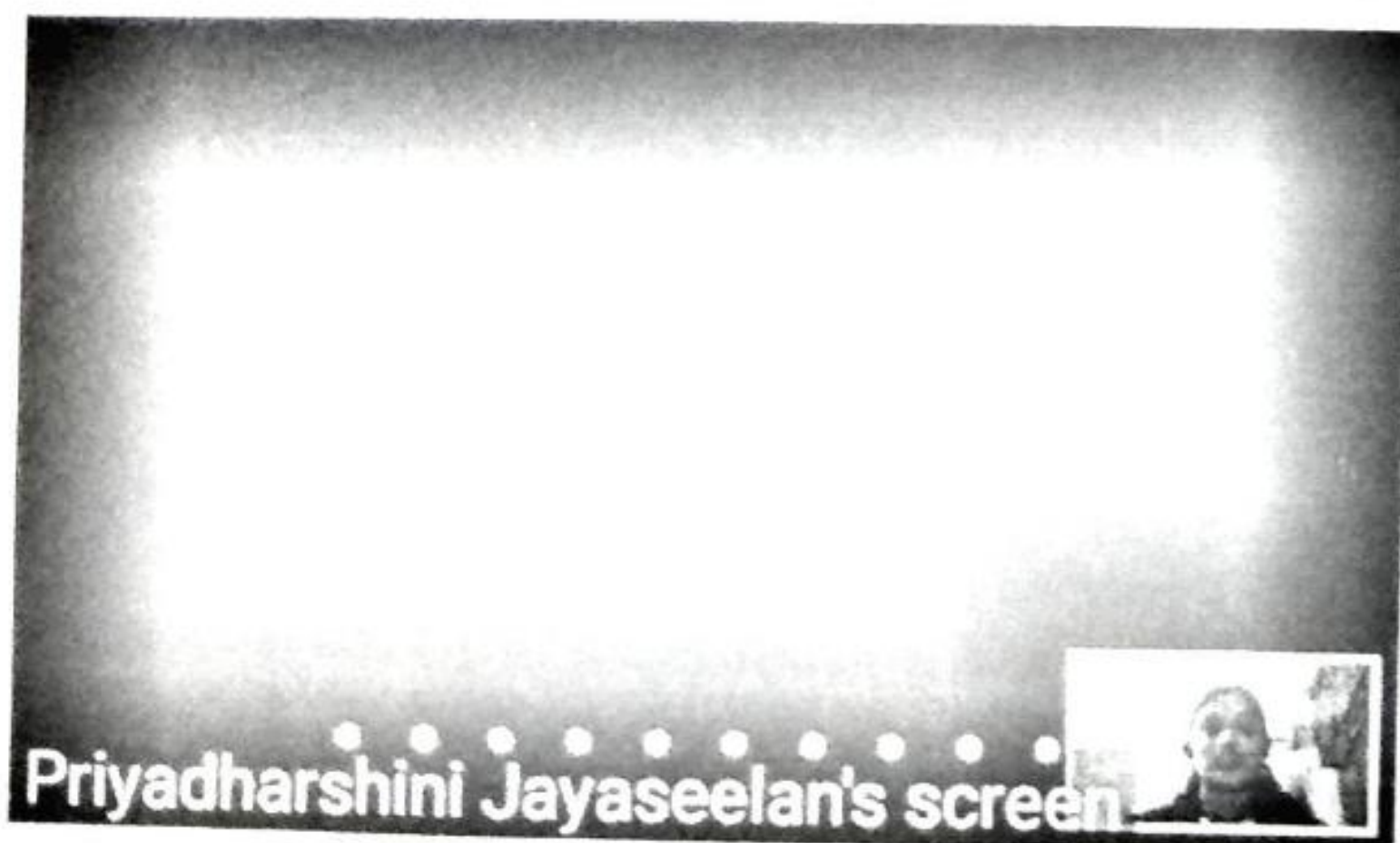
Upon providing insights over the basics, the role of bio-entrepreneurship and the opportunities present for the bio-entrepreneur in the field of entrepreneurship was explained. A clear insight about the investment opportunities available for bio-entrepreneur nationally, a brief explanation about the streams and background opportunities present, its integration into the field of biotechnology were explained.

The importance of business plan and the steps involved in developing a business plan was briefed to the viewers. The experience about TNSI competition participation by Ms. Anitha.S and Ms. Anitha. S.S was shared. With that the session was concluded. A note of gratitude was provided to the Prathyusha engineering college and Entrepreneurship Development Cell and Department of Biotechnology. The question raised by the audience were clarified.

A quiz link along with the feedback form was shared to all the participants through mail and the e-certificate was distributed to the participants.



PRODUCT VALIDATION	
TARGET AUDIENCE	FEEDBACK
DISTRIBUTORS (14)	Amritha had rich experience in producing. Presently farmers and orchard owners are not aware of the benefits of organic farming. Long term storage of bio-manure is difficult which leads to loss.
FARMERS (5)	Organic manure and pesticides are preferable for small scale farming. Production is low compared to chemical fertilizers. The price is also higher.
COMMON PEOPLE (25)	Will buy if completely sold organic. Will not prefer that because we grow plants only for decorations. Fresh manure also is quite new.
NURSERIES (6)	Most of the people prefer bio-manure. Everybody who grows plants gets manure regularly. Loss of nutrients in bio-manure is easy.





PRATHYUSHA ENGINEERING COLLEGE



4G 16:45
Cancel Send to

Everyone

ANITHA S

Anithaa Suresh(host)

Priyadharshini Jayaseelan

Yutha Shreenivasan

Praveen KM

Gayathirikv

Yasaswini

SAKTHI RAJESHWARI C

A.SAHAYAINBARAJ

Tharani.P

Radha Dravidamani

Feedback from participants received through mail:

"The webinar conducted on entrepreneurial aspects of business planning strategy by three of you was very informative. This helps to know more about the characters of an entrepreneur and what make them different from others thanks to Anitha.S for explaining it briefly. Then bioentrepreneurship handled by J.Priyadharshini was related to my field hence in future I could use those informations. I really appreciate the efforts u ve taken to know the schemes and plans existing for an entrepreneur. The business plan and its writing method taken by Anitha.s.s quite important to get the bussiness into real world from fantasy. Thus the whole session was so good. All the best for u all guys to achieve much better in future"

- **MS. HEMAMALINI SELVARAJ**
IV year BT Prathyusha Engineering
College



PRATHYUSHA ENGINEERING COLLEGE

"Feedback: it was really innovative to combine both medicine and business to start a business. Really an eye catching idea indeed.

Thank you

Prince Clayton Sundarraaj W , MBA (Marketing/Finance)
C. Abdul Hakeem College of engineering and technology
Melvisharam, Ranipet dist,

" It was a good and knowledgeable session, and was very useful for me. Tank you so much for conducting this session "

- **MS. AISHWARYA PRAKASH. S**
KCG college of Technology.

" The session is very very good and it was in my expected level. PPT and presentation was super. It will be very useful to us. I thank you for providing this opportunity to us. If you conduct any more webinars I am very interested to participate. So please intimate me through this mail.

Thank you.

- **MR. THANGAPANDIAN. P**
Assistant Professor

NPR College of Engineering and Technology

Acknowledgement:

We would like thank our Principal for encouraging us to organizing such event through online. Also we are extending our sincere thanks to our Management for providing opportunity to conduct this event. We also extend our gratitude towards the Entrepreneur Development Cell and Department of Biotechnology.

Thanking you.

EDC CO-ORDINATOR

HOD

PRINCIPAL

7. Role of materials science in Biotechnology



PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF BIOTECHNOLOGY

WEBINAR ON "ROLE OF MATERIALS SCIENCE IN BIOTECHNOLOGY" 23.05.2020

Resource Person

: Dr. Krishna Rao Eswar Neerugatti M.Tech, PhD
Post-Doctoral Research Fellow
Nanodevices Materials and Energy Laboratory (NMEL)
Chungnam National University, South Korea.

REGISTRATION DETAILS:

Total registration : 436
Internal Registration : 76
External Registration : 360
Number of colleges/
Research institutes/companies : 83

PARTICIPATION DETAILS:

Total members participated : 393
Participants through ZOOM : 100
Participants through Facebook live: 223
Participants through Google drive : 70

OBJECTIVE:

- To discuss the role of materials for biological sciences and applications.
- To elaborate on nanomaterials interaction with biological entities.
- To enable innovative breakthroughs in the scientific community based on nanotech research collaborations.



PRATHYUSHA ENGINEERING COLLEGE

REPORT ON THE WEBINAR:

The webinar started at 4:00 with warm greetings to the participants and brief introduction of the guest speaker Dr. Krishna Rao Eswar Neerugatti as our eminent alumni with excellent skills in synthesizing materials, studying and tuning their properties for environmental and biological applications with good team working ethics. Following this, the speaker began the webinar with the disclaimer of highlighting the crust of the topic in the stipulated time with the help of illustrations.

To connect with the audience of diverse domain, an introduction was given on material science which is the relationship between atomic and molecular structure of a material. Having explained what material science is and the categories of materials, the types and need of interaction that the materials in general undergo to satisfy the intertwining relationship between 'targeting, sensing and toxicity' with reference to biological entity was briefed.

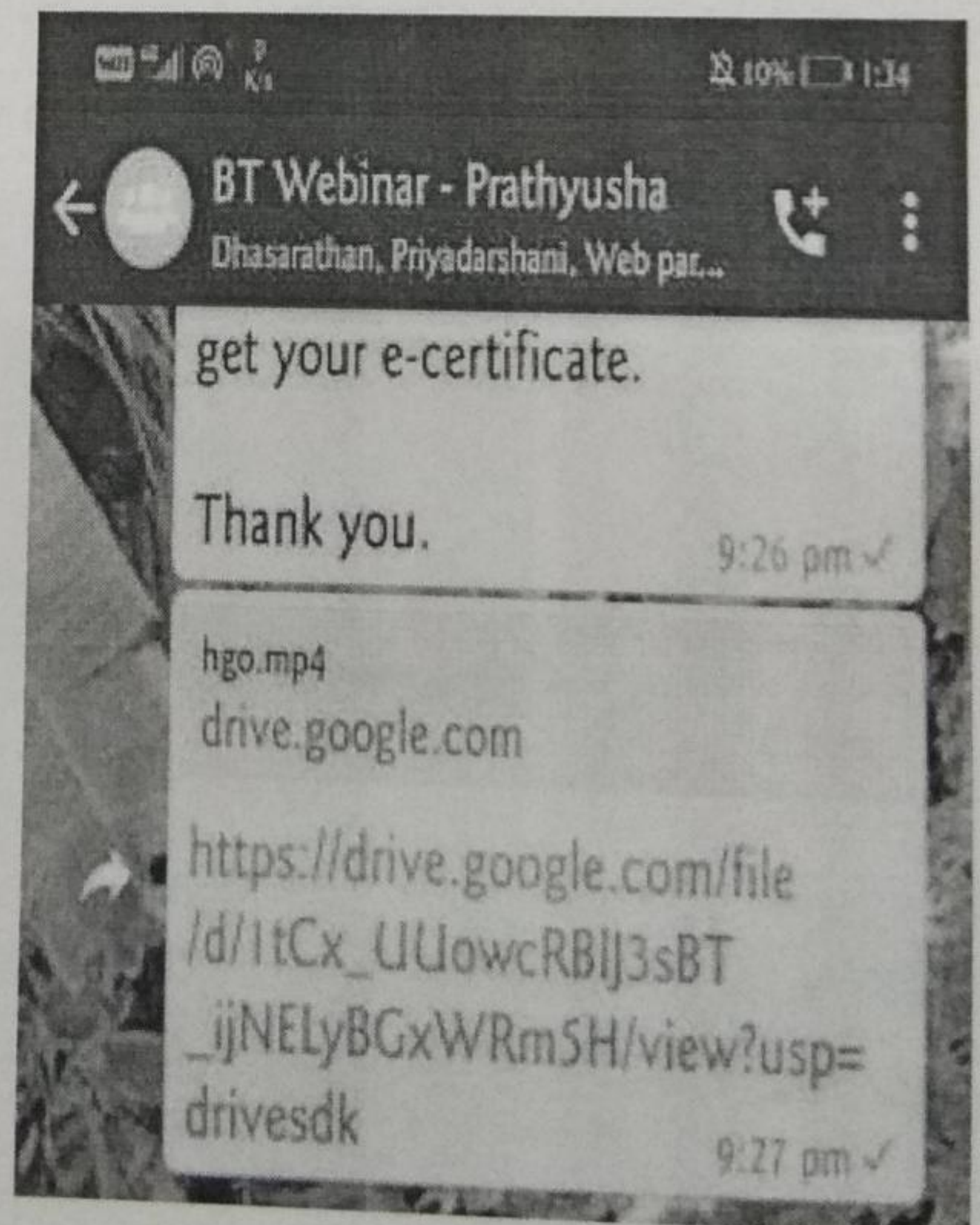
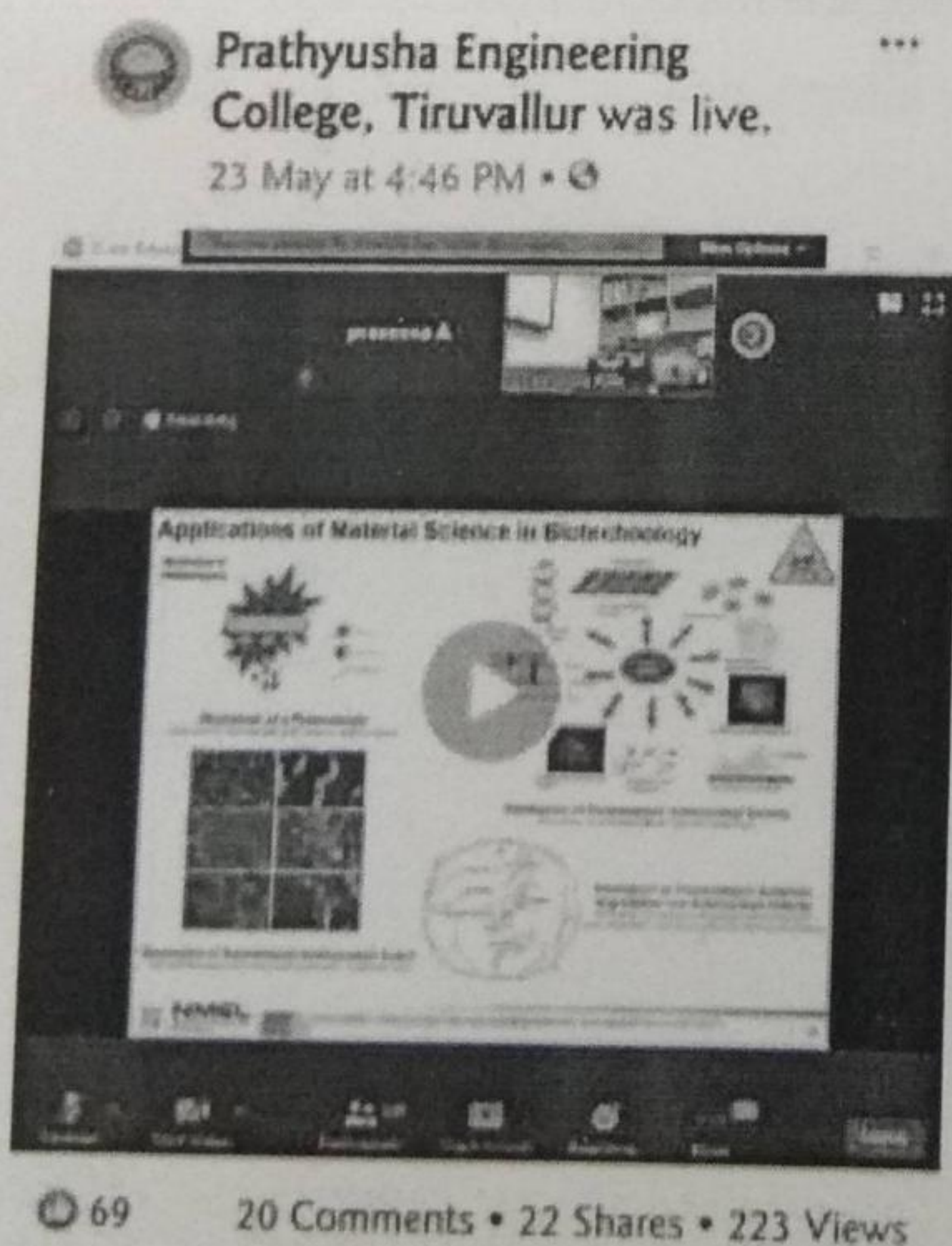
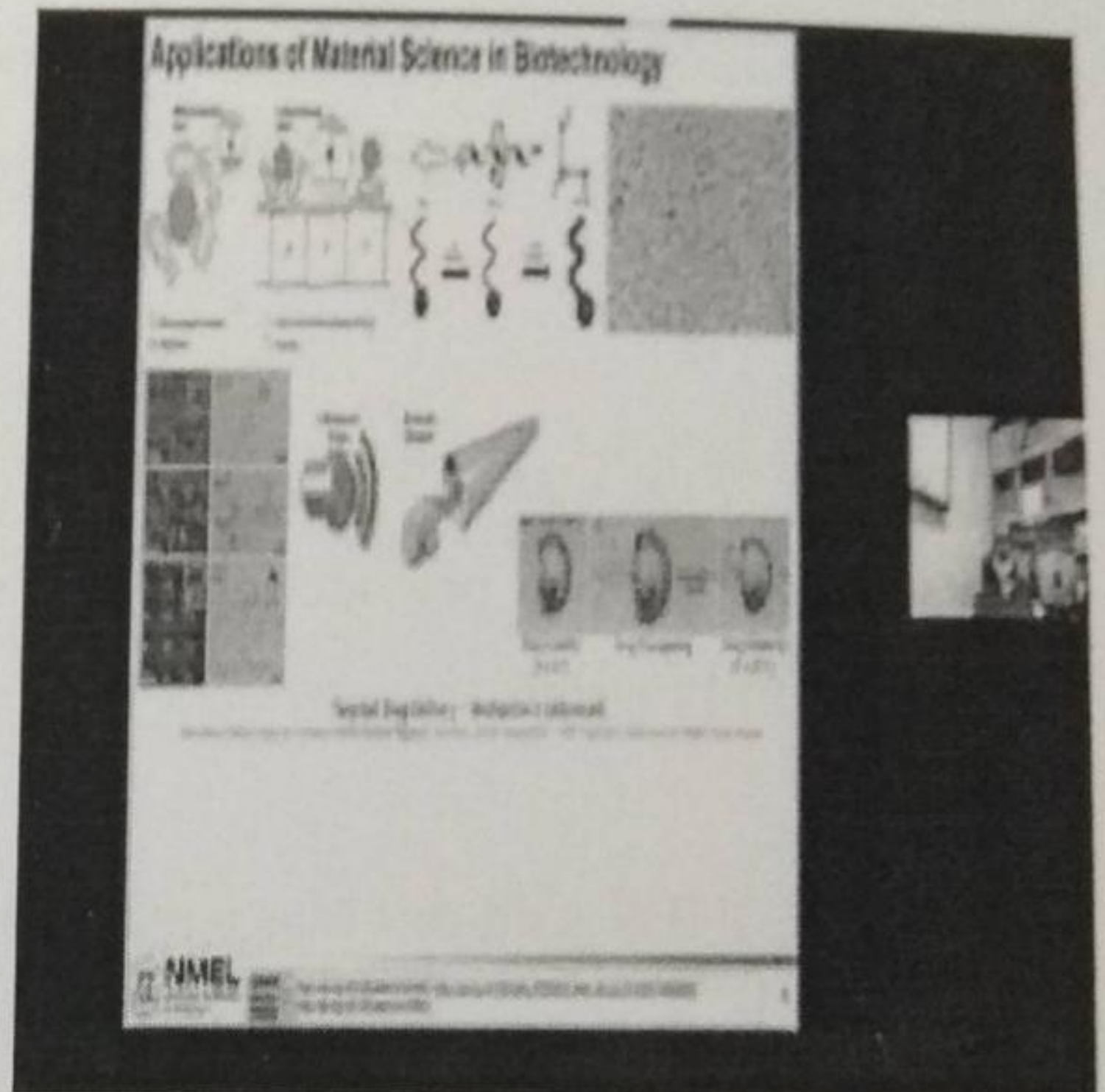
As part of the techniques employed, selective fabrication of the nanomaterials considering its shape, size, surface area, and surface functionalisation in terms of target specificity was bulletined. Having shed his knowledge on this topic, the speaker continued to enlighten the audience over the interaction of nanomaterials with the biological entity and the analysis of the same with techniques such as NMR, FTIR, PAGE, LCMS, etc. The application of material science in biotechnology as being a solution for multitude problems was briefed successively. In that, targeted drug delivery concept was briefed in detail during this session. Other fast growing application in fields such as Tissue Engineering, Food technology, and toxicity analysis.

In conclusion the speaker illuminated the fact of how Biotechnology has become an interdisciplinary study accommodating nanotechnology with upcoming fields such as Nano-informatics and how it is space for the researchers to explore the possibilities. The host at the end of the webinar gave a glimpse of the advantage they possessed as a student of Prathyusha Engineering College and ended the webinar in a positive note.



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GLIMPSES OF EAGER PARTICIPANTS VIEWING WEBINAR VIA ZOOM, FACEBOOK
LIVE AND GOOGLE DRIVE LINK SHARING THROUGH WHATSAPP.





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FEEDBACK:

- Dr.S.Lakshmi Subha from Lady Doak said to organize many programmes like this and said he was an excellent speaker with nice topic with clear presentation without any technical issues in-between.
- Prathinisha Prabhakar of Prathyusha engineering college said it was very informative and good explanation was provided. Further, she added that she was looking forward to attend more session like this.
- Poorini of BIHER said this was a nice session and needy during this lockdown period and added that she had known about the pros and cons of materials application.
- Dr.V.R.Manoj of Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology said this session to have been very informative and excellent in all aspects.

← Feedback form 393			
3. How satisfied were you with the event?			
RESULTS			
Choices	%	Count	
EXCELLENT	56.74	223	
VERY GOOD	36.64	144	
GOOD	6.62	26	
POOR	0.00	0	

← Feedback form 393			
4. How relevant and helpful do you think it was for your knowledge enrichment?			
RESULTS			
Choices	%	Count	
EXCELLENT	53.94	212	
VERY GOOD	37.91	149	
GOOD	8.14	32	
POOR	0.00	0	

← Feedback form 393			
5. Quality of the event			
RESULTS			
Choices	%	Count	
EXCELLENT	56.23	221	
VERY GOOD	32.06	126	
GOOD	11.45	45	
POOR	0.25	1	

← Feedback form 393			
6. Event Management			
RESULTS			
Choices	%	Count	
EXCELLENT	57.51	226	
VERY GOOD	33.33	131	
GOOD	9.16	36	
POOR	0.00	0	

We would like to thank our Principal for the encouragement and Management for providing the facility to organise the online event.

8. Magnetic Nano carriers for enhance enzyme activity



PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF BIOTECHNOLOGY

Organized

WEBINAR ON

“Magnetic Nanocarriers For Enhanced Enzyme Activity”

Date & Time : 30.05.2020 & 4.00 Pm

Mode of webinar: Webex Cisco, Facebook

No of participants in Webex Cisco: 108

No of participants in Facebook : 514

Resource person:

Dr.M. Seenuvasan, Professor/Head Department of Chemical Engineering, Hindusthan College of Engineering and technology Coimbatore.

OBJECTIVE:

- To provide a platform for learning and knowledge sharing.
- To update about the recent trends in the field of Biotechnology.
- To spread awareness about research trends.
- To know about the magnetic nanocarriers and the vital application of enzymes magnetic nanocarriers in the industry.

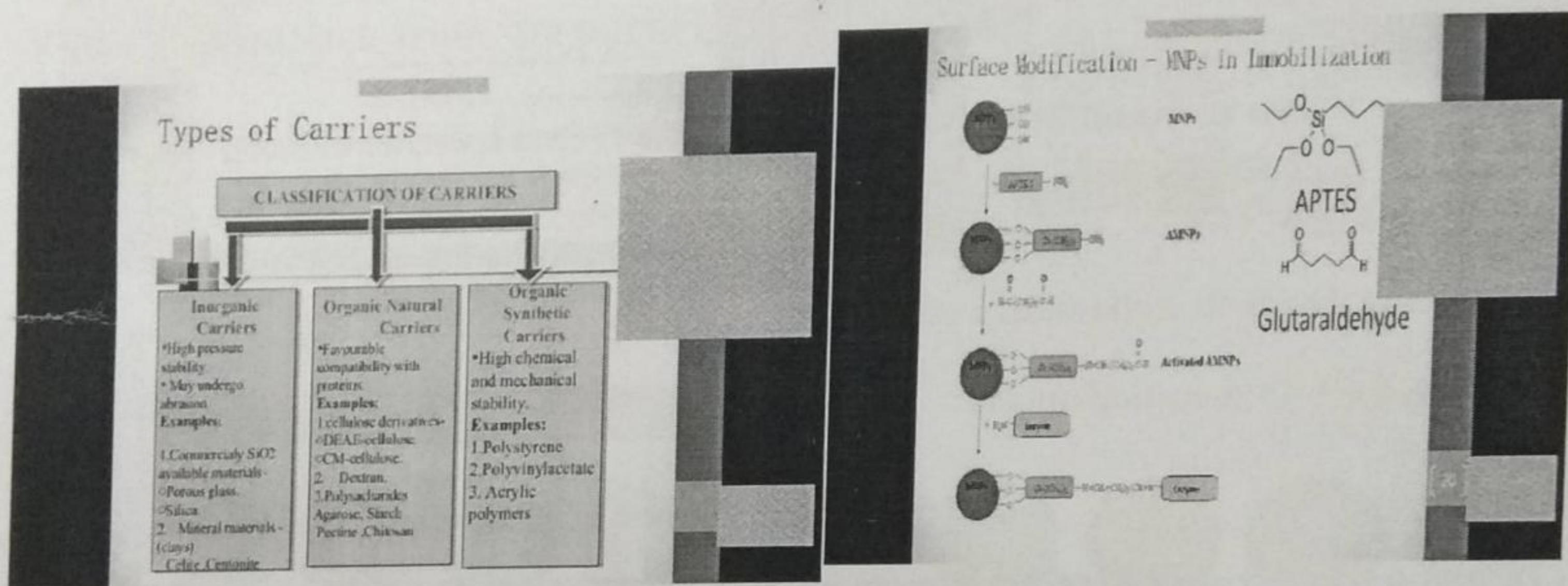
REPORT ON THE WEBINAR:

The webinar on “Magnetic Nanocarriers For Enhanced Enzyme Activity:” was given by Dr. M. Seenuvasan. The online platforms chosen for the webinar are Webex Cisco and Facebook. The meeting began sharp by 4.00 pm (IST) on 30th may 2020. Nearly 622 number of registrations were received out of which 108 participants watched the webinar live on Webex Cisco, and the rest all watched in the Facebook live of Prathyusha Engineering college page. The webinar began with a warm welcome note



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in biological sciences, and its application in various trending fields such as cancer technology. The conventional use of enzymes in industrial process and its disadvantages considering the maintenance and long usage followed by how its carries can be used to improve their sustainability was explained by him. Then he listed the types of carries that can be used and gave a brief insight about the In-organic carriers, organic carriers, organic synthetic carriers and discussed their advantages as well as disadvantages. He introduced how magnetic nanocarriers can be used as a replacement. He explained the surface modifications that the magnetic nano-carriers have, the functional groups involved. The methods through which the magnetic nano-carriers can be produced to immobilize the enzyme was elaborated by him.



Finally, he concluded by briefing how enzyme carries improve the sustainability of enzyme during the industrial processes, and the magnetic nano carriers acting as ideal carriers for enzyme immobilization and is versatile for wide range of industrial application.



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After the lecture the host concluded the webinar with a brief introduction about the college and vote of thanks. The participants were asked to fill the feedback form which was posted in the chat box of both Webex Cisco and Facebook live. The response from 717 participants were received and the E-Certificates were sent to their respective mail ids.

Chemical Approach

(a) Coprecipitation

(b) Reverse micellization

(c) Thermal denaturation

Summary

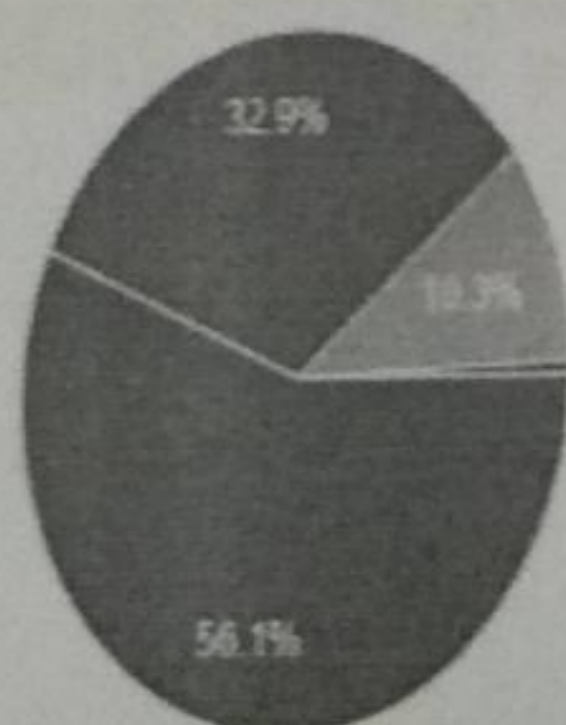
- Enzymes are widely used as industrial biocatalysts because of their catalytic properties, but they lose their stability in aqueous media.
- Thermal stability of the enzymes is increased and are highly efficient by enhancing its activity using immobilization.
- BNPs meet all the requirements of an ideal carrier for enzyme immobilization and is suitable for wide range of industrial applications.

Feedback:

The statistical representation of the responses for various questions regarding the event from the participants were recorded and shown below.

How satisfied were you with the event?

717 responses



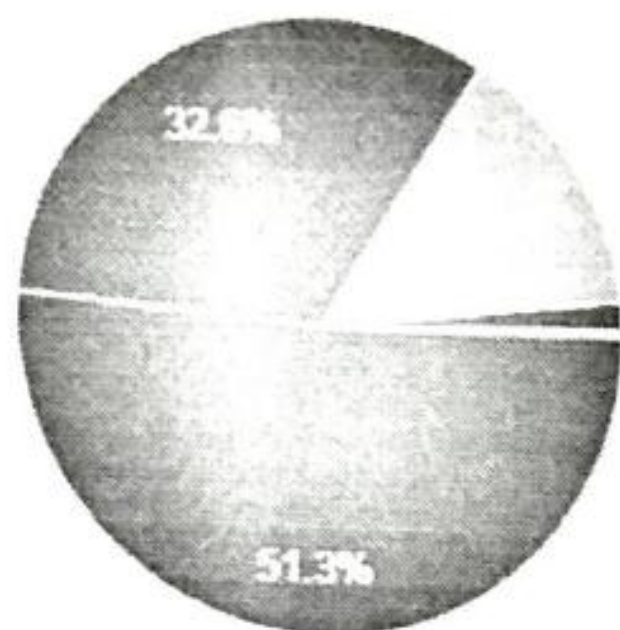
- EXCELLENT
- VERY GOOD
- GOOD
- OKAY
- POOR



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Event management

717 responses



- EXCELLENT
- VERY GOOD
- GOOD
- OKAY
- POOR

Valuable feedback from the participants:

“Topic was good and needed one. Waiting for such webinar in future as well”

- Ms S Bhavani, Anna university

“I enjoy this session i got some knowledge and very clear explanation sir thank you”

Mr.Mohankumar.G, Pachaiyappa's college

“Nice presentation and informative session.make more webinar during the lockdown and thank you for make the lockdown day useful”

Ms.Gayathri.r, Nehru arts and science college, coimbatore

“It was very nice and informative session. Thank you for providing this session and I gained some knowledge about magnetic nano-carriers.”

Ms.T.Mohanapriya, Government College Of Technology, Coimbatore

“I was able to know about the magnetic nanocarriers for enzyme activity”

Ms.Gopika Joshi, KUFOS, Kochi, Kerala



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“I am able to know the topic more well then I knew before.”

Dr. Pradeep Kumar Deepak A.M.B.SMahavidyalaya ,Amarpur

“The session was very informative, thank you for conducting such webinars , expecting more such enriching webinars in future.”

Mr. PawankumarSheshraoKharate,Indira Gandhi Krishi Vishvavidyalaya,Raipur

“It was appropriatel liked the content and presentations”

Dr. Poonam Sharma Integral University

Acknowledgement:

We would like to extend our heartfelt thanks to the college management for providing such knowledge sharing platforms to learn and share during this pandemic. We would like to thank our principal sir Dr.P.L.N. Ramesh for encouraging us to conduct such events. We render our sincere gratitude to the Head of our department Dr.P.Dhasarathan for helping us conduct this event. We thank the staff in charge for their guidance and support in organizing the webinar. Our heartfelt thanks to all the student coordinators for volunteering to conduct this event.

STAFF COORIDNATOR

HOD

PRINCIPAL

9. Recent trend in renewable energy resources and grid integration

REGISTRATION FORM

ONE DAY SEMINAR ON

"RECENT TRENDS IN RENEWABLE
ENERGY AND GRID INTEGRATION"

4th JANUARY 2020

Name (in block letters):
Designation:
Department:
Institution:
Address for communication:
.....
.....
.....
Ph. No :
E-Mail :
Mobile no:
DD No :
Place:
Date :

Signature of the Applicant

ORGANIZING COMMITTEE

CHIEF PATRONS

Shri. P. RAJA RAO
CHAIRMAN, BOARD OF GOVERNORS,
PEC

Smt. P. PRATHYUSHA
CEO, PEC

Thiru. M. VASU
ADVISOR

PATRONS

Dr. P. L. N. RAMESH
PRINCIPAL, PEC

CONVENOR

Ms. M. PREETHA
HOD/EEE

COORDINATOR

Ms. S. SHOBANA, Assoc. Prof/EEE

ADDRESS FOR COMMUNICATION

Co-ordinator
Department of EEE
Prathyusha Engineering College
Aranvayalkuppam, Thiruvallur-602 025
Ph: 044-37673767
Mobile: +91-9841261765
+91-9840768679
E-mail: hod.eee@prathyusha.edu.in.

ONE DAY SEMINAR ON

"RECENT TRENDS IN
RENEWABLE ENERGY AND GRID
INTEGRATION"

4th JANUARY 2020

In association with NIWE



Organised by
Department of Electrical and Electronics
Engineering



ESTD. 2001

**PRATHYUSHA
ENGINEERING COLLEGE**

Aranvayalkuppam, Tiruvallur
Approved by AICTE & Affiliated to Anna University
Accredited by NBA
ISO 9001:2008 Certified Institution
Phone: 044-37673767

ABOUT THE INSTITUTION

Prathyusha Engineering College is one of the esteemed institutions in Tamil Nadu, bloomed in 2001. PEC is just 30km away from Chennai on Poonamallee-Tiruvallur Road at Aranvayalkuppam. The institution has been growing excellently from strength to strength in the last twenty years as a premier institute with quality education by highly dedicated, experienced and young energetic professionals as faculty members. The college offers 6 UG and 4 PG courses. The college has received more than Rs.2 crore as grant from various organizations like AICTE, SERB, DRDO, BRNS, CSIR, CVRDE and TNSCST Etc., for doing research activities.

ABOUT THE DEPARTMENT

The EEE Department has been blossoming in this great institution since 2001. The department has flourished day by day by its excellence in all its activities and thereby bringing laurels to the institution. The abundantly teaching fold and the state of art laboratory facilities are the value additions of this department which offers excellent academic ambience to the students.

ABOUT THE PROGRAM

The seminar aims at imparting knowledge on Renewable Energy systems like Solar and Wind along with Grid integration. NIWE was established with the aim of addressing the specific purpose of supporting time bound and mission oriented research and development programmes to achieve and maintain world class, reliable and cost effective technology in wind and solar power systems. The Unit continues to improve its knowledge and skills through continuous learning, to keep pace with the State-of-the-Art Technology and excel through innovative approaches. Through this seminar, the faculty members, research scholars, PG and UG students are enhancing their knowledge in the field of Renewable Energy System and in turn it will be supported to our society.

SEMINAR OUTLINE

- ❖ Solar Power Forecasting
- ❖ Solar Radiation, sensor and their calibration
- ❖ Wind Energy System
- ❖ Grid Integration

RESOURCE PERSONS

Sessions will be handled by eminent persons from National Institute of Wind Energy, Chennai

Venue: Seminar Hall, PEC
Time: 9:00 AM

IMPORTANT DATES

Last date for submission of the registration form: 26th December 2019.

REGISTRATION FEE

- | | |
|----------------------------------|----------|
| 1. Faculty members | :Rs. 500 |
| 2. Research Scholars/PG students | :Rs. 300 |
| 3. Students(UG)/Others | :Rs. 200 |

REGISTRATION

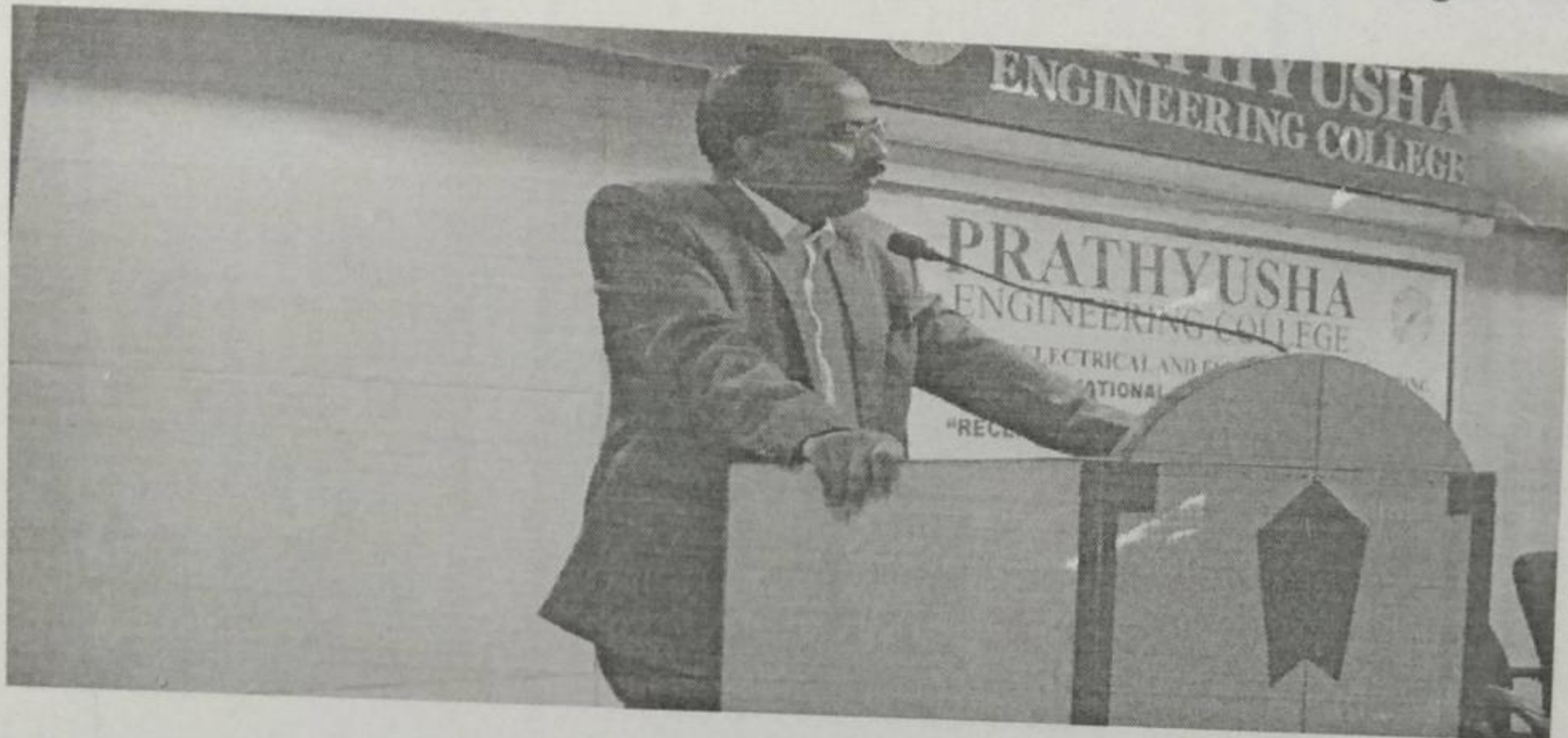
Kindly send the registration form provided along with registration fee. Payment can be made through DD, drawn in favor of "Prathyusha Engineering College - EEE" payable at Thiruvallur. Spot registration is also permitted.

Report on seminar on Recent Trend In Renewable Energy Resources & Grid Integration

Resource person: Dr.Balaraman kannan, Director general of NIWE,Srinath,AE/NIWE

Date: 4.1.2020

Department of Electrical and Electronics Engineering organized one day seminar on "Recent trends in Renewable energy & Grid integration" in association with National Institute of Wind energy .Inaugural address delivered by Dr.Balaraman kannan, Director general of NIWE. The resource persons from NIWE delivered a valuable session on solar forecasting & measurement.



Link:

<https://www.facebook.com/PrathyushaInstitute/photos/pcb.3117051938309825/3117051434976542>

10. Industrial energy audit and management



PRATHYUSHA ENGINEERING COLLEGE

ESTD. 2001

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

GREEN AND CLEAN ENERGY CLUB

ORGANIZING

INDUSTRIAL EXPERT INTERACTION

ON

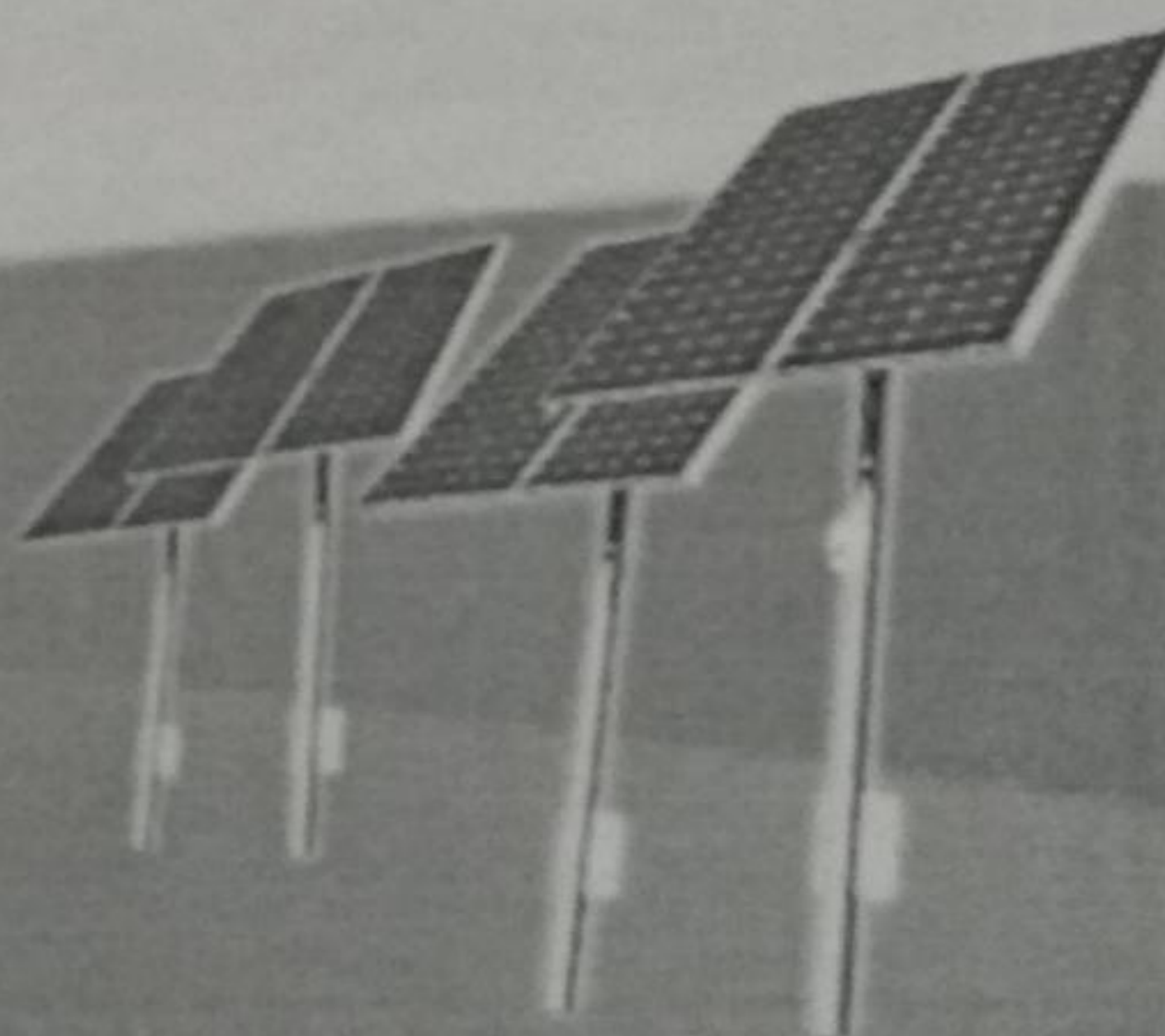
INDUSTRIAL ENERGY AUDIT & MANAGEMENT



Dr. P. DHARMALINGAM

EXECUTIVE DIRECTOR

ENSAVE CONSULTANCY AND TRAINING Pvt. Ltd.



DATE: 6.8.19

TIME: 10:00 AM

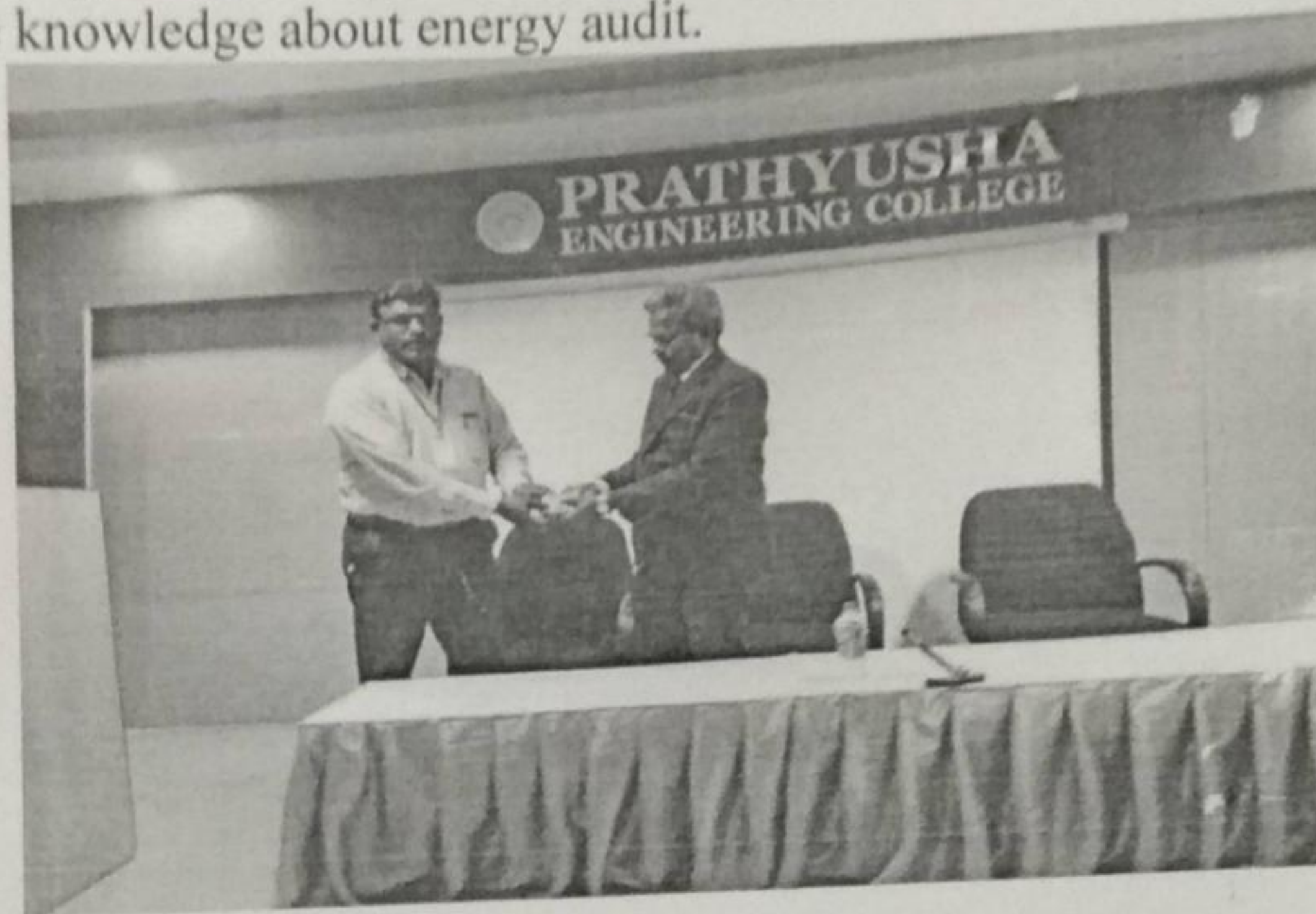
VENUE: SEMINAR HALL

Report on Seminar on "Industrial energy audit & management"

Resource person: Dr. P. Dharmalingam, MD, Ensave Consultancy

Date: 6.8.2019

Department of EEE, Green & clean Energy club organized Industrial expert Interaction on "Industrial energy audit and management". The resource person Dr. P. Dharmalingam explained the concepts of energy audit & process of doing energy audit in crystal clear manner. The students gained the knowledge about energy audit.



Floor	Energy Use	Peak Demand
Floor 1	10000	1000
Floor 2	10000	1000
Floor 3	10000	1000
Floor 4	10000	1000
Floor 5	10000	1000
Floor 6	10000	1000
Floor 7	10000	1000
Floor 8	10000	1000
Floor 9	10000	1000
Floor 10	10000	1000

Link: <https://www.facebook.com/PrathyushaInstitute/posts/2760101020671587>

11. Load flow analysis using ETAP



DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING



POWER SIMULATION CLUB
ORGANISING
INDUSTRY EXPERT INTERACTION
ON
"LOAD FLOW ANALYSIS USING ETAP"



INDUSTRY EXPERT:
Mr. S. SELVAKUMAR,
LEAD ENGINEER,
ABB GLOBAL INDUSTRIES PVT LTD,
CHENNAI.

DATE: 12.09.2019

VENUE: CISCO LAB

Report on webinar on “Load Flow Analysis using ETAP”

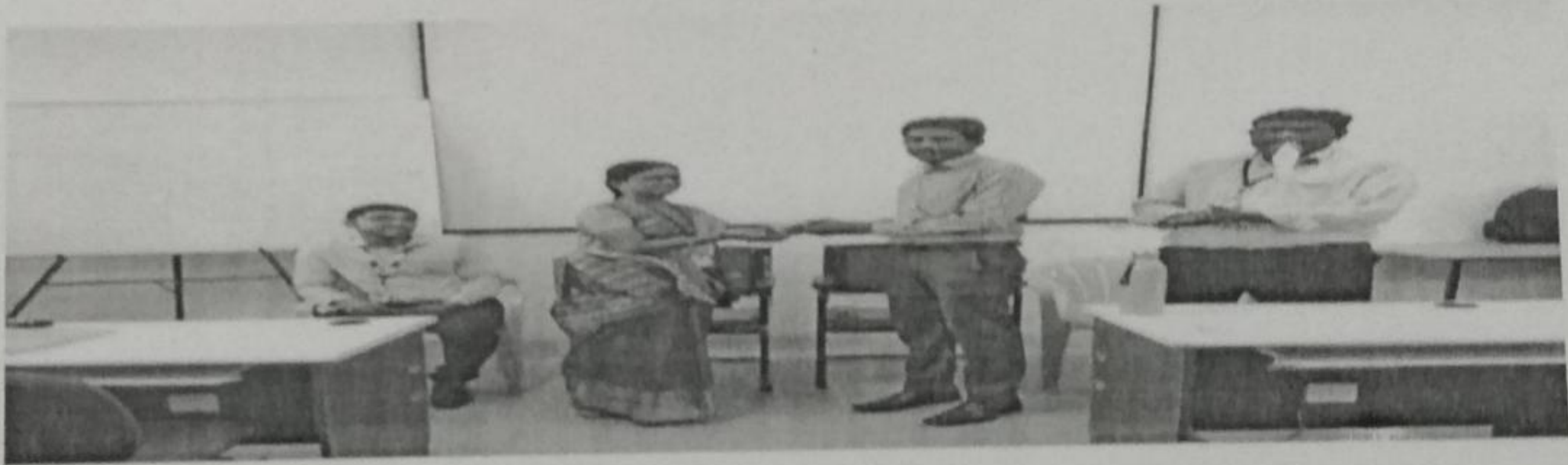
Resource person: Mr.S.Selvakumar,Lead Engineer,ABB Global Industries Private Limited,Chennai

Date: 12.09.19

Department of EEE organized a **webinar on “Load Flow Analysis using ETAP”**.The session was handled by Mr.S.Selvakumar,Lead Engineer,ABB Global Industries Private Limited,Chennai. He explained how to to do load flow analysis using ETAP software . The participants found the session very useful.

Outcomes:

- ✓ Third year and final year students got a clarity on load flow analysis
- ✓ Students got knowledge on ETAP software



Link:

<https://www.facebook.com/PrathyushaInstitute/photos/pcb.2858637010817987/2858636904151331>

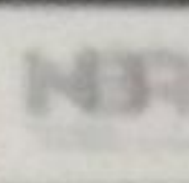
12. High voltage engineering and it's applications



PRATHYUSHA
ENGINEERING COLLEGE



NAAC



DEPARTMENT OF ELECTRICAL & ELECTRONICS
ENGINEERING
ETAP CLUB

ORGANIZING
WEBINAR
ON



HIGH VOLTAGE ENGINEERING & IT'S APPLICATIONS



Dr. S. Gopinath,

ASSOCIATE PROFESSOR,

Annasaheb Dange College of Engineering
and Technology (Autonomous), Maharashtra.

MAY
22nd
FRIDAY
3 to 4 PM

Register now

[https://prathyusha.edu.in
/events/webinar02-eee](https://prathyusha.edu.in/events/webinar02-eee)

E-Certificates will be provided



CONTACT US:

www.prathyusha.edu.in, 9843192763



1110
COUNSELLING CODE

Report on webinar on “High Voltage Engineering & it's Applications”

Resource person: Dr.S.Gopinath ,Associate professor,Annasaheb Dange college of Engineering & Technology, Maharashtra

Date: 22.5.20

Department of EEE organized a webinar on “High Voltage Engineering & it's Applications”. The session was handled by Dr.S.Gopinath ,Associate professor,Annasaheb Dange college of Engineering & Technology, Maharashtra He explained the recent trends in high voltage engineering field. The participants found the session very useful.

Outcomes:

- ✓ Third year and final year students got a clarity on applications of high voltage engineering
- ✓ Students got knowledge on opportunities in high voltage field

Link: <https://www.facebook.com/PrathyushaInstitute/posts/3441574225857563>

13. Power flow analysis in micro grid using ETAP



PRATHYUSHA
ENGINEERING COLLEGE



**DEPARTMENT
OF
ELECTRICAL AND ELECTRONICS ENGINEERING**

**ETAP CLUB
ORGANIZING**



**WEBINAR
ON**

**POWER FLOW ANALYSIS IN MICROGRID
USING ETAP**



Mr. J. Gnanasekar
Senior Electrical Engineer
ETAP Automation Private Limited.
Mumbai

For Club Students only

DATE: 29-05-2020
DAY: FRIDAY
TIME: 3:30PM TO 5PM

CONTACT US:

www.prathyusha.edu.in, 9843192763



1110
COUNSELLING CODE

Report on webinar on “ Power Flow Analysis in Microgrid using ETAP”

**Resource person: Mr.J.GnanasekarSenior Electrical Engineer,ETAP
Automation Private Limited,Mumbai**

Date: 29.05.2020

Department of EEE organized a **webinar on“ Power Flow Analysis in Microgrid using ETAP”**.The session was handled by Mr.J.GnanasekarSenior Electrical Engineer,ETAP Automation Private Limited,Mumbai.He explained how to do power flow analysis using ETAP software. The participants found the session very useful.

Outcomes:

- ✓ Third year and final year students got a clarity on ETAP software
- ✓ Students got knowledge on power flow analysis

Link: <https://www.facebook.com/PrathyushaInstitute/posts/3460101834004872>

14. Industrial automation and robotics

Department of Electrical & Electronics Engineering

ORGANIZING

Webinar

On

"Industrial Automation & Robotics"

**14 th MAY
2020**

**Time : 12.00
NOON**

Mr. Rajesh Ganesan
Researcher SERB,
Hindustan University



Register Now:

<https://prathyusha.edu.in/events/webinar01-eee>

(E-Certificates will be provided for all participants)



CONTACT US:

www.prathyusha.edu.in, 9843192763



1110
COUNSELLING CODE

Report on webinar on" Industrial Automation & Robotics"

Resource person: Mr.G.Rajesh,Researcher SERB,Hindustan university

Date:14.5.20

Department of EEE organized a **webinar on" Industrial Automation & Robotics"** .The session was handled by Mr.G.Rajesh,Researcher SERB,Hindustan university. He explained the automation process followed in industries & also recent trends in robotics applications. The participants found the session very useful.

Outcomes:

- ✓ Third year and final year students got a clarity on automation
- ✓ Students got knowledge on current trends in robotics applications

Link: <https://www.facebook.com/PrathyushaInstitute/posts/3421428867872129>

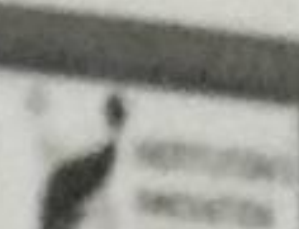
15. The art of writing a scientific article and its nuances in high impact factor journal



NAAC



NBA



DEPARTMENT OF ELECTRICAL & ELECTRONICS
ENGINEERING

Organises

Webinar

on

**The Art of Writing a Scientific Article
and Its' Nuances in high impact factor
journals**



Dr.C.Bharatiraja.,

M.E, Ph. D., PDF (USA and ZA).

BASE Fellow

Associate Professor,

Department of Electrical & Electronics Engineering,

SRM Institute of Science and Technology

SRM Campus, Kattankulathur, Chennai.

May
25th
2020

4.00PM - 5.30PM

Register now

[https://prathyusha.edu.in/events/
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1110

COUNSELLING CODE

Report on Webinar on " The art of wriritng a scientific article and its nuances in high ipmact factor journals"

Resource person: Dr.C.Bharatiraja, BASE Fellow, Associate Professor, SRM Institute of Science & Technology, SRM Campus, Kattankulathur, Chennai

Date: 25.5.20

Department of EEE organized a webinar on " The art of wriritng a scientific article and its nuances in high ipmact factor journals". The session was handled by Dr.C.Bharatiraja, BASE Fellow, Associate Professor, SRM Institute of Science & Technology, SRM Campus, Kattankulathur, Chennai. He explained how to write a paper & to publish it in a sci journal. The participants found the webinar as very useful.

Outcomes:

- ✓ Participants got a clarity on writing research paper.
- ✓ Participants got knowledge on publishing a paper.

Link: <https://www.facebook.com/PrathyushaInstitute/posts/3449744115040604>

16. Recent trends in automobile engineering

TWO DAYS NATIONAL WORKSHOP ON RECENT TRENDS IN AUTOMOBILE ENGINEERING ON 19 & 20 JULY 2019

COMMITTEE

Chief Patrons:

Mr. P. Raja Rao, Chairman, PEC
Mrs. P. Prathyusha, CEO, PEC
Mr. M. Vasu, Advisor, PEC

Patron:

Prof. Dr. P.L.N. Ramesh, Principal

Convener

Dr. P. Jayaraman,
Professor & Head,
Department of Mechanical
Engineering

Coordinator

Dr. P. Mohamed Ali, Professor,
Department of Mechanical
Engineering



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Name :
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Designation :
Organization :
Address :
E-mail ID :
Mobile No :
Category : Student/faculty
Accommodation
Required : Yes / No

Registration fee details

D.D. No :
Date :
Amount :
Bank :

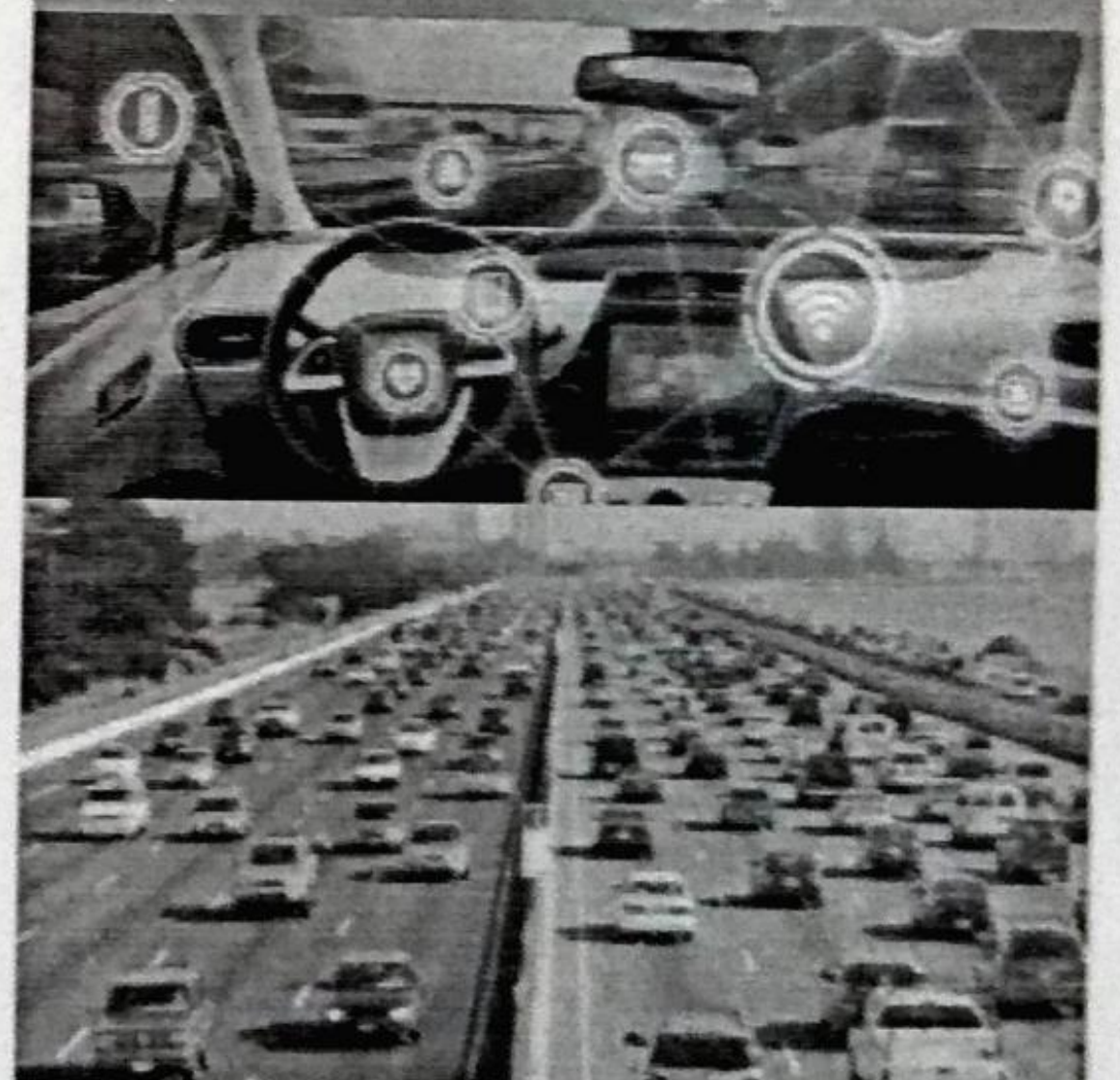
Signature of the applicant



PRATHYUSHA
ENGINEERING COLLEGE

Aranvoyal Kuppam, Poonamallee-
Tiruvallur-Road Thiruvallur - 602025

Two Days
National Level Workshop
on
Recent Trends in
Automobile Engineering
19th & 20th July 2019



Organized by
Department of Mechanical Engineering

PRATHYUSHA ENGINEERING COLLEGE

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

Invites You All

**TWO DAYS NATIONAL WORKSHOP ON
RECENT TRENDS IN AUTOMOBILE ENGINEERING
(19 & 20 JULY 2019)**

Dr.P.Mohamed Ali
Coordinator

Mr.P.Jayaraman
HoD/Mech

Dr. P.L.N Ramesh
Principal

Two Days National Workshop on Recent Trends in Automobile Engineering ON
19 & 20 JULY 2019

SCHEDULE

DAY 1	19-07-2019	Morning Session	Inauguration
DAY 1	19-07-2019	Afternoon Session	Mr. Moenakshi surdaram, Director, Gates Unita India
DAY 2	20-07-2019	Morning Session	Mr. Nagappan Ashok Leyland
DAY 2	20-07-2019	Afternoon Session	Mr. Mariya Antony, General Manager, Renault and Nissan Ltd

REPORT

A REPORT ON TWO DAYS NATIONAL LEVEL WORKSHOP ON RECENT TRENDS IN AUTOMOBILE ENGINEERING

Prathyusha Engineering College, Department of Mechanical Engineering has organized a two days national level workshop on "Recent trends in Automobile Engineering" from 19/07/2019 to 20/07/2019. The main objective of the workshop is to impart knowledge and exposure in recent trends in automobile engineering to the 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: 19-07-2019 – Morning Session

The workshop started with an inaugural session at 10:00am with welcome address by Professor and Coordinator of the workshop Dr.P.Mohammed Ali. This national level workshop provides a platform for faculty and student to enrich their knowledge in automobile and provides vast scope for research in new and challenging areas in an automobile 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 to use vehicles for agricultural purposes at low budget. He also recommended undergraduate students to participate in motorsport activities and design competitions, so that they gain practical knowledge and experience.

The first technical session began at 10.30am by Dr. Uma shankar, Professor, VIT University, "topic". He has explained lot about applications of Rapid prototyping in auto industry.

The inaugural session ended with vote of thanks to the inaugural chief-guest by Coordinator Dr. P.Mohammed Ali. And he esteemed gratitude to management for giving support to organize the workshop.

DAY 1: 19-07-2019 – Afternoon Session

The second speaker of the second session was Mr. Meenakshi sundaram, Director, Gates Unitta India. He gave clarity on implementation schedule of BS VI standard and challenges in introducing electric and autonomous vehicles in worldwide. He explained about the trends in

automotive industry and also gave an insight on changes in automotive sector due to electric and hybrid vehicles. Students are interacted and clarified their doubts with the speaker.

DAY 2: 19-07-2019 – Morning Session

The second day session started with the expert Mr. Nagappan Ashok Leyland, He briefly addressed the skills required for modern engineers and encouraged students to learn and develop new skills.

DAY 2: 19-07-2019 – Afternoon Session

Last session of the workshop started with Mr. Mariya Antony, General Manager, Renault and Nissan Ltd. He talks about car manufacturing, line balancing and technologies involved in manufacturing process. Finally we spoken about Integrated Process Management System and its advanced techniques, this makes participate to ask more clarification and questions based on the system.

Dr. P. Mohammed Ali, coordinator of this workshop invites Mr. N. Gopinath to proposed vote of thanks. He said his sincere gratitude to the speaker for accepting our invitation and his interesting speech. He said "successful conduct of such glorious events is possible only because of the team work of our faculty members. He also thanked all students and staff delegates who made the lecture workshop fruitful.

The second day session started with the talk by Prof. Dr. V. Subramanian CLRI Chennai on the prediction of nuclear magnetic resonance and electronic spectra of small molecules using density functional theory. This lecture was followed by a lecture by Prof. Baskaran, IIT, Chennai in novel organic transformations in low melting mixtures. In the afternoon session Prof. A.K. Mishra, Department of Chemistry, IIT Madras enlightened the audience with his talk on the basics of fluorescence – the principle and the interesting developments from his laboratory. The participants well utilized the networking time as provided during tea and lunch breaks to interact with speakers and seek their guidance on their process. This gathering was also an opportunity for the participants to specifically exchange experiences. In the valedictory function Prof. Dr. S. Natarajan IIS, Bangalore welcomed the dignitaries and the Prof. A.K. Mishra, Department of Chemistry, IIT Madras gave the valedictory address. All staff members and students attended the function student and staff delegated gave their feed back and expressed their delight are the success full conduct of the lecture workshop. The talks were all interesting and very informative and we would like to participate in more of such lecture workshops"

commended one participant from M.S. University, Thirunelveli. The workshop was well organised and the hospitality is highly appreciated" quoted Dr. K. Sarada, Faculty, A.P.C Mahalaxmi college, Tuticorin. The workshop concluded at 4.30 P.M on 27th feb2016 GNIT principal, Dr. S. Sreenatha Reddy explained the importance of student teams and student clubs to promote co-curricular activities for student development. He encouraged students to participate in workshops and training programs which would aid them to learn practically. CEO of ISNEE, Mr. Umesh Kumar The Chief guest of the workshop Dr. K. Supradeepan congratulated the Mechanical Department and Team Super Ignite from GNIT for winning in multiple national level go-karting events.

PRATHYUSHA ENGINEERING COLLEGE

Department of Mechanical Engineering

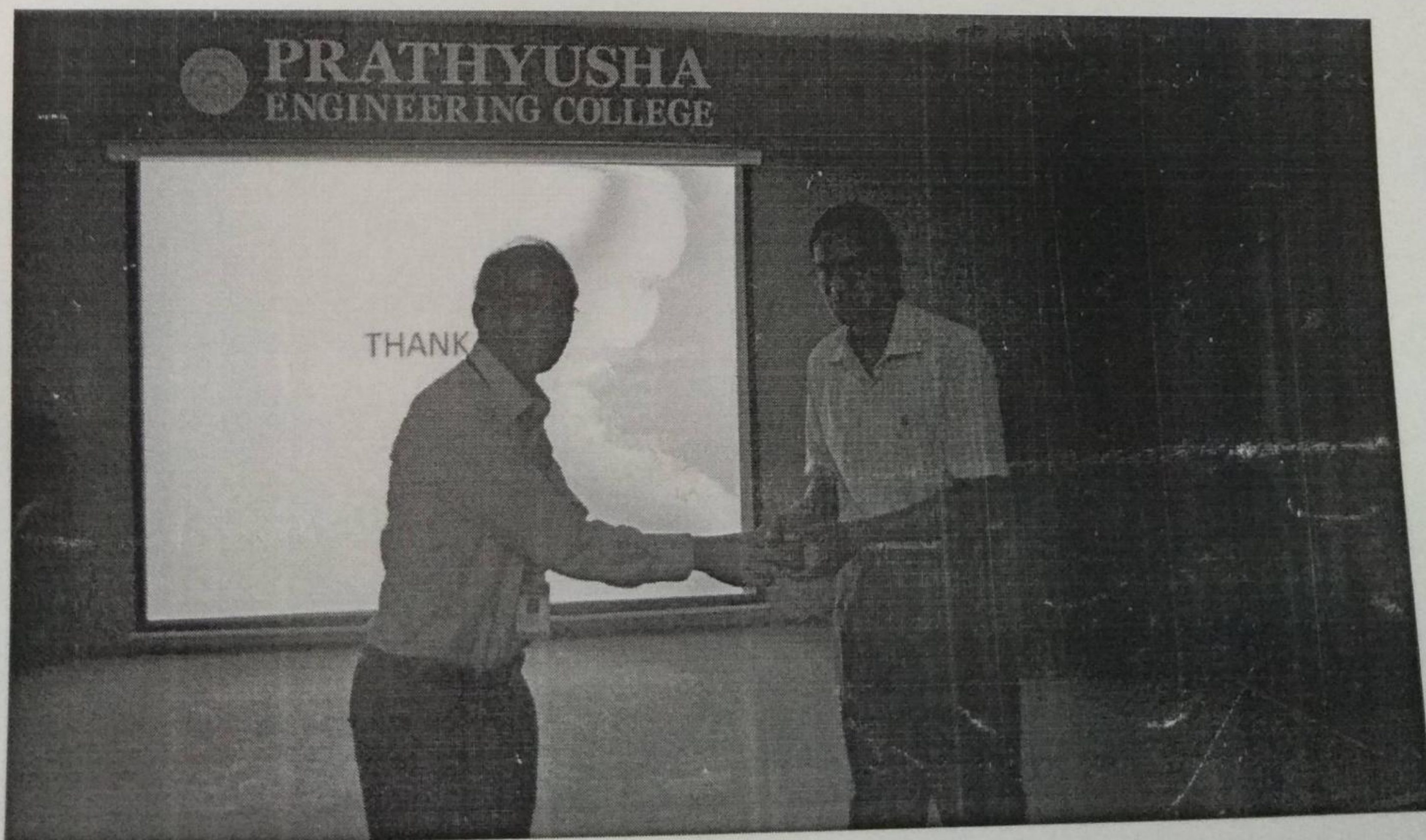
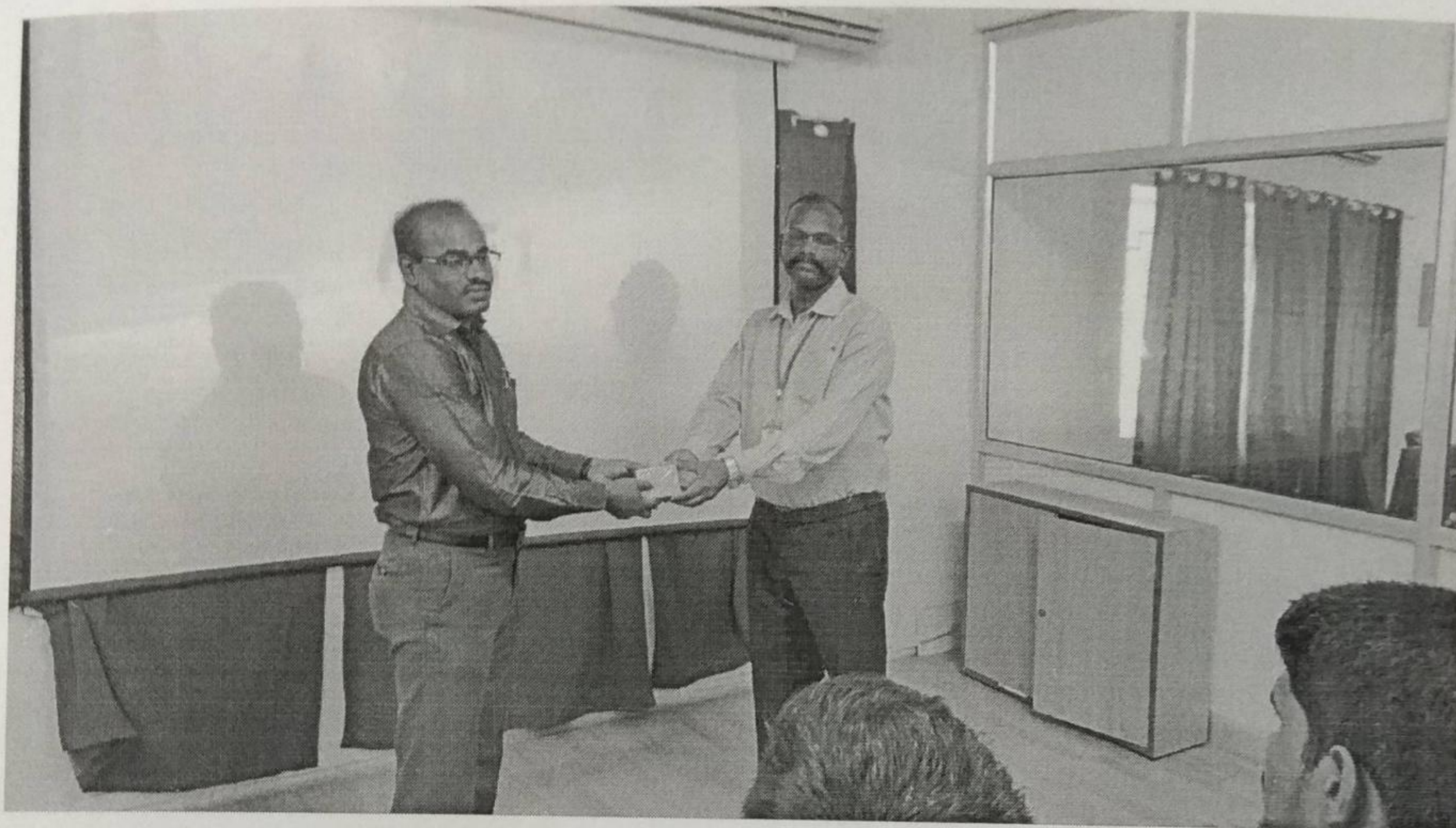
Two Days National Level Workshop on Recent Trends in

Automobile Engineering 19th and 20th July 2019

Attendance sheet

S.No	Name	College name	Mobile No	Signature
1	Dr. P. JAYARAMAN	PEC	9840397361	[Signature]
2	Dr. V. Jayaseelan	PEC	9710693408	V. Jayaseelan
3	D. Megarathan	PEC	8144507584	D. Megarathan
4	B. SEENU	PEC	9500357386	B. Seenu
5	K. BALACHANDAN	PEC	9566357673	K. Balachandran
6	P. SARMAJITHAN	PEC	9731565775	P. Sarmajit
7	R. KARTHIC	PEC	8778854715	R. Karthi
8	R. RAJAVENDRAN	PEC	9543660431	R. Rajendran
9	T. THEUNALAN	PEC	9444140211	T. Theunalan
10	PRABHU	PEC	9677288916	Prabhu
11	LOGACHANDAN	PEC	9043734624	Logachandran
12				
13				
14				

PHOTOS



17. Industrial automation and robotics



Iniyan Ravi <iniyan2540@gmail.com>

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

1 message

SABARI AGIIT <saban@agiit.co.in>

Fri, Aug 9, 2019 at 9:12 AM

To: iniyan2540@gmail.com

Cc: murugan andam <murugan@axisglobalautomation.com>

Dear Sir,

Greetings from AGIIT -Asia's leading Industrial Automation and Robotics Campus.

Trust you're doing well.

With reference to our discussion made regarding the industrial automation & robotics guest lecture at your premise, We would like to conduct an One hour Industrial seminar on '**Industrial Automation & Robotics**' to your Students

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

Kindly find attachments.

We are expecting a date confirmation 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.

Our Services to Academic Institutions:

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Guest Lectures,
Workshops,
In-plant training,
Industrial Visit,
MOU
Faculty Development Programme,
Inhouse training for engineering students & faculties,
Centre for Excellence,
Placements.

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

Thanks & Regards,



ESTD. 2001

PRATHYUSHA ENGINEERING COLLEGE

IOT DOMAIN CLUB

&

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

REPORT ON INDUSTRIAL EXPERT INTERACTION

TITLE: INDUSTRIAL AUTOMATION AND ROBOTICS

DATE: 16.08.2019

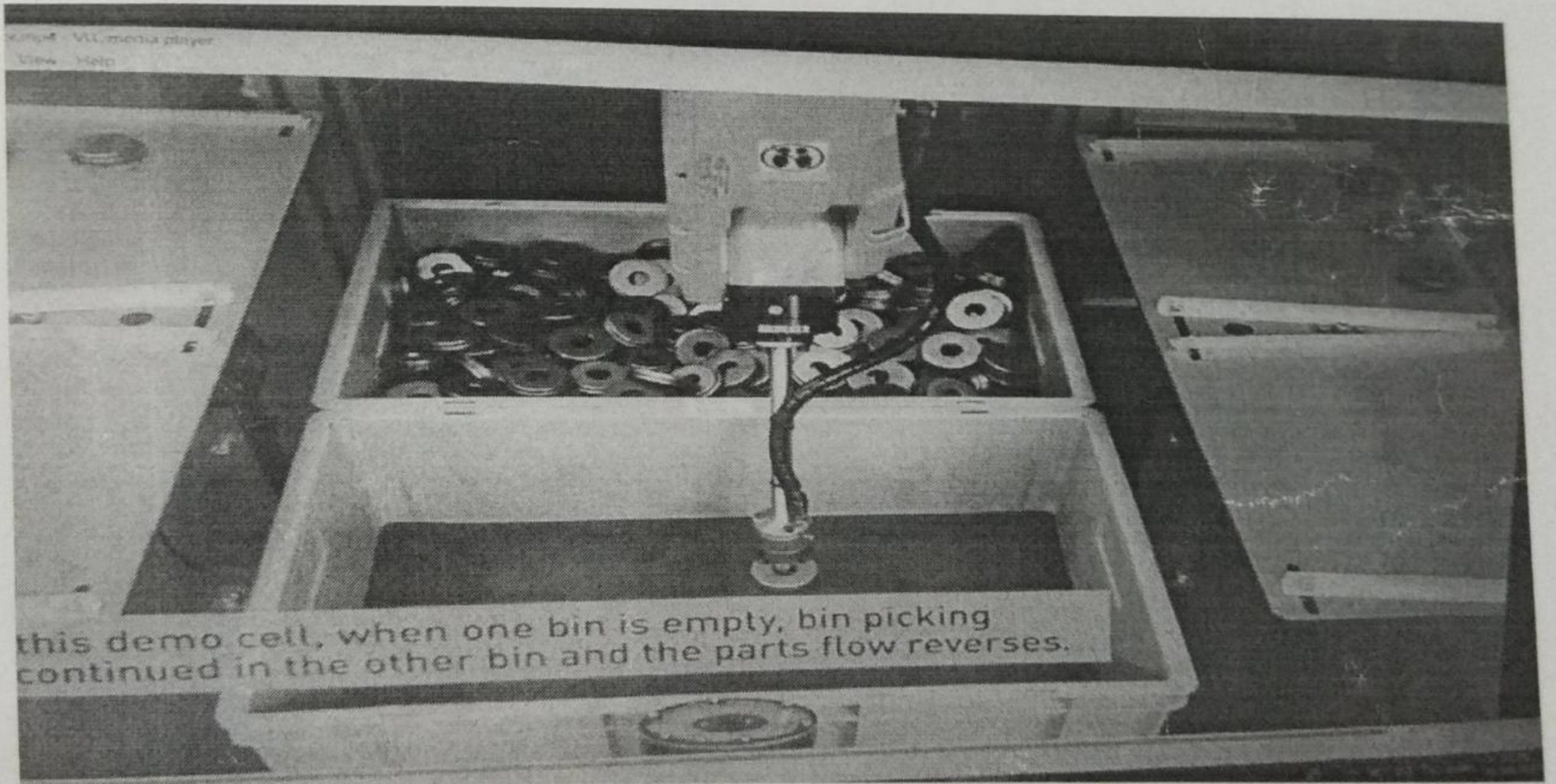
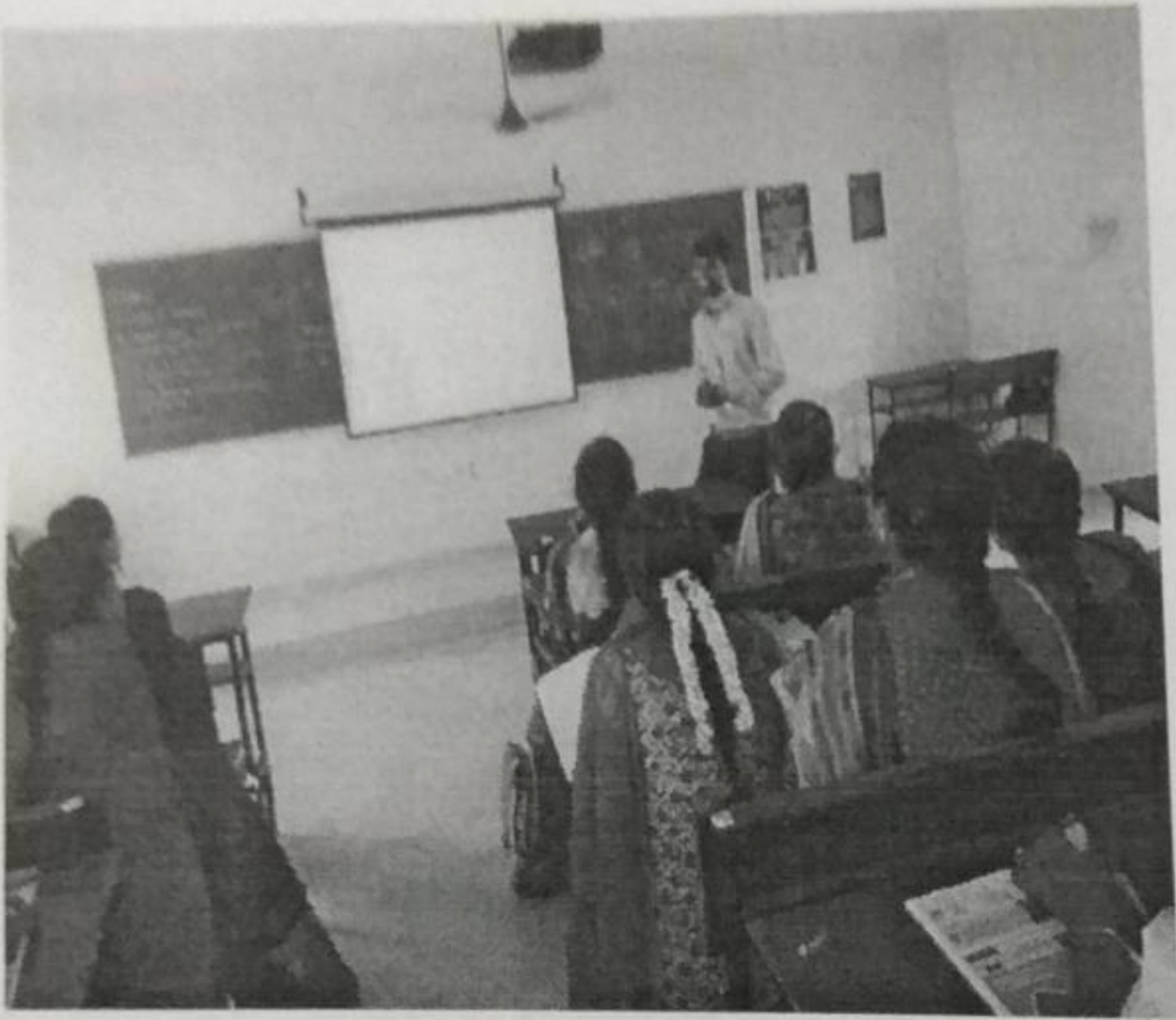
TIME: 10.00 – 11.30 AM

The Resource person for this program was **Mr.T.Aravind Kumar, Senior Application Engineer, Axis Global Automation, Chennai** delivered the technical talk about Industrial automation and Robotics


TOPICS COVERED :

- 1) Production System Facilities
 - Low Quantity Production
 - Medium Quantity Production
 - High Production
- 2) Manufacturing Support Systems
- 3) Automation in Production Systems
 - Automated Manufacturing Systems
 - Computerized Manufacturing Support Systems
 - Reasons for Automating
- 4) Manual Labor in Production Systems
 - Manual Labor in Factory Operations
 - Labor in the Manufacturing Support Systems
- 5) Automation Principles and Strategies
 - USA Principle
 - Ten Strategies of Automation and Production Systems

GLIMPSES OF IEI



Mr. Suresh
CO-ORDINATOR


HOD/ECE