## Objectives

The course will enable a participant to gain a practical knowledge of modern computational techniques for numerical solution of Linear Algebra problems and Partial Differential Equations using MATLAB as vehicle for computation. The course consist of a unified presentation of computation, analysis of basic algorithms and the numerical techniques

## Topics

- Linear Algebra
- Wavelet Transform
- Machine Learning
- Partial Differential Equations
- Computational Fluid dynamics
- Numerical Methods

## Resource Persons

1. Dr. K. Murugesan (NIT, Trichy)
2. Dr. Sarath Sasi (IIT, Palakkad)
3. Dr. Chandrashekar Lakshminarayanan (IIT, Palakkad)
4. Dr. Lakshmi Sankar K. (IIT, Palakkad)
5. Dr. Niranjan H. (VIT, Vellore)
6. Dr. Palanisamy T. (Amrita University, CBE)
7. Dr. Sukanta Nayak (Amrita University, CBE)
8. Dr. Ram Mohan (FCRI, Kanjikode)
9. Dr. G. Muruganath (ASET, Palakkad)

## Target Participants

Participation is open to faculty members working in institutions affiliated under APJ Abdul Kalam Technological University, who desire to pursue PhD and have the passion to excel in advanced mathematics. Number of Participants is limited to 30 and will be filled based on a first come, first serve basis.

Ahalia School of Engineering & Technology * Palakkad * Office

Dr. P. P. Govindadevan Pillai
Principal
Ahalia School of Engineering & Technology
Palakkad-678557

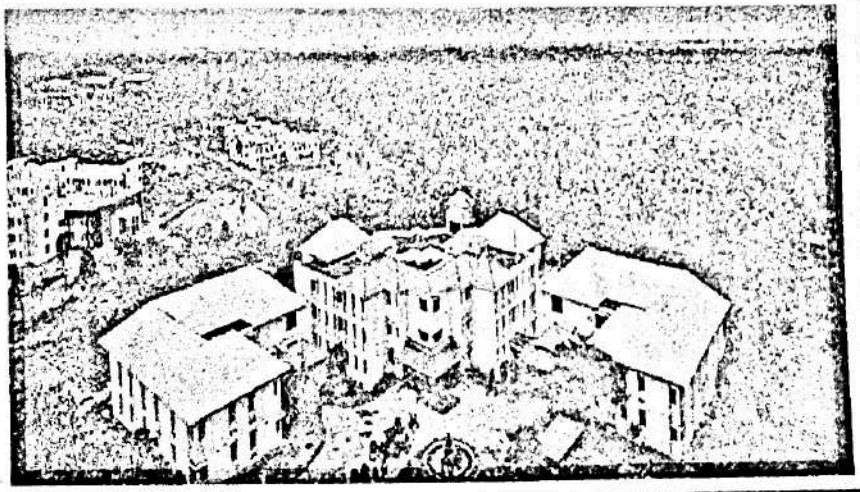
# Faculty Development Programme
# on
# Numerical Linear Algebra and Partial Differential Equation

05, 06 & 07 December 2018

Sponsored by

## APJ Abdul Kalam Technological University

Organized by
Department of Science and Humanities
Ahalia School of Engineering & Technology



AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY

(ISO 9001:2015 Certified Institution)
Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University
Ahalia Health, Heritage & Knowledge Village, Palakkad - 678557. Ph: 04923-226666, www.ahalia.ac.in

**Patron**
Dr. V.S. Gopal, Chairman, Ahalia Group

**Advisors**
Dr. P.R. Sreemahadevan Pillai
Principal, ASET & Director, Ahalia Group of Institutions
Dr. Krishna Kumar Kishor
Asst. Director, Ahalia Group of Institutions

**Coordinators**
Dr.Binoy Balan K.
Professor and Head
Department of Science & Humanities.

Prof.Vignesh D
Assistant Professor
Department of Science & Humanities.

**Address for Correspondence**

Coordinator
FDP on Numerical Linear Algebra and Partial Differential Equation
Department of SCIENCE & HUMANITIES
Ahalia School of Engineering and Technology, Palakkad-678557
Email: hodsh.aset@ahalia.ac.in, vignesh.d@ahalia.ac.in,
Mobile: 9020990466 & 8300108556

**Registration**

**No Registration Fee**

All registrations require prior submission of duly completed registration form on or before 26 November, 2018.The forms should be signed and sealed by the Principal/Head of the Institution.
Please scan and forward completed forms to hodsh.aset@ahalia.ac.in

**Ahalia Health, Heritage & Knowledge Village**

Ahalia Health, Heritage & Knowledge Village is a project of Ahalia International Foundation located in an exotic region of Palakkad at the foot of Western Ghats amid breath taking valleys, verdant paddy fields and the dense herbal gardens, away from the din and bustle of city life. Ahalia Health, Heritage & Knowledge Village, one of the biggest campuses in the country, offers a perfect blend of nature and technology. The campus is situated 5 kms off the National Highway between Kanjikode and Walayar in Kerala. Coimbatore International Airport is at 1 hour drive (50 kms) and Palakkad (Palghat) Junction railway station is 20 kms away from the campus.

Ahalia Health, Heritage & Knowledge Village is an integrated campus consisting of Ahalia Foundation Eye Hospital, Ahalia Ayurveda Medical College & Hospital, Ahalia Diabetes Hospital, Ahalia Women & Children's Hospital, Ahalia Medicine Manufacturing Unit (Ayurveda), Ahalia Children's Village, Ahalia Heritage Village, Ahalia School of Management, Ahalia School of Optometry, Ahalia School of Engineering & Technology, Ahalia School of Pharmacy, Ahalia School of Paramedical Sciences, Ahalia Public School, IIT Palakkad and more.

**Ahalia School of Engineering & Technology**

Ahalia School of Engineering & Technology (ASET) was established in the year 2012. The college is located in a lush green campus to the beautiful view of the Western Ghats, and it provides a peaceful and congenial atmosphere, ideal for students for their overall holistic development. Ahalia School of Engineering & Technology offers five B.Tech. courses, that is complemented by various co-curricular and extra-curricular activities. ASET, managed by Ahalia International Foundation, is approved by AICTE, New Delhi and affiliated to A.P.J. Abdul Kalam Technological University.

**The Department**

The Department of Science and Humanities imparts basic knowledge in Physics, Chemistry, Mathematics, English and Management which is the cornerstone of the engineering disciplines. The Department offers courses for various branches of Engineering from the first semester to eighth semester. The Department has well-spaced Chemistry and Physics Laboratories equipped with most modern facilities and instruments that add significance to the department.

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# KTU sponsored FDP on
# Numerical Linear Algebra and Partial Differential Equation
# 05, 06 & 07 December 2018

**External Participants**

| Sl. No. | Name of the faculty | KTU ID | Name of the institution | Designation |
|---|---|---|---|---|
| 1 | JILU TRESA GEORGE | KTU-F35935 | St. Joseph College of Engineering and Technology,Palai | Assistant Professor |
| 2 | RANI V T | KTU-F1301 | St. Joseph College of Engineering and Technology,Palai | Assistant Professor |
| 3 | RESHMI. S | KTU-F10907 | N.S.S College of Engineering, Palakkad | Assistant Professor |
| 4 | JACOB J | KTU-F7171 | IES College of Engineering,Chittilappilly, Thrissur | Assistant Professor |
| 5 | SREELEKSHMI P S | KTU-F10927 | N.S.S College of Engineering, Palakkad | Assistant Professor |
| 6 | SARANYA R | KTU-F28549 | N.S.S College of Engineering, Palakkad | Assistant Professor |
| 7 | JYOTHISH KRISHNA P G | KTU-F10937 | N.S.S College of Engineering, Palakkad | Assistant Professor |
| 8 | DEEPA M K | KTU-F954 | N.S.S College of Engineering, Palakkad | Assistant Professor |
| 9 | G USHA KUMARI | KTU-F6299 | N.S.S College of Engineering, Palakkad | Associate Professor |
| 10 | Dr.SUVARNA N T | KTU-F27249 | N.S.S College of Engineering, Palakkad | Assistant Professor |
| 11 | PREETHA M | KTU-F24002 | N.S.S College of Engineering, Palakkad | Assistant Professor |
| 12 | SANDHYA P S | KTU-F21200 | Royal College of Engineering and Technology, Thrissur | Assistant Professor |

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# KTU sponsored FDP on Numerical Linear Algebra and Partial Differential Equation 05, 06 & 07 December 2018

## Internal Participants

| Sl.No. | Name of the faculty | KTU ID | Name of the institution | Designation |
|---|---|---|---|---|
| 1 | KRIPA K M | KTU-F19776 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 2 | INDU M | KTU-F4621 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 3 | DR.KRISHNA KUMAR KISHOR | KTU-F2921 | Ahalia School of Engineering and Technology, Palakkad | Professor |
| 4 | THANNASI C | KTU-F3974 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 5 | PREEJA V | KTU-F3787 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 6 | PRABHA R | KTU-F3789 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 7 | SUNITHA K G | KTU-F4014 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 8 | SANGEETHA P S | KTU-F3786 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 9 | VIGNESH D | KTU-F3779 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 10 | DHEERAJ P | KTU-F3451 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |

Office

Dr. P. R. Sreemahadevan Pillai
Principal
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# KTU sponsored FDP on Numerical Linear Algebra and Partial Differential Equation 05, 06 & 07 December 2018

## Internal Participants- Supplimentary list

| | | | | |
|---|---|---|---|---|
| 1 | GOPIKA UNNI | KTU-F3297 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 2 | LAKSHMI SAI A | KTU-F11788 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 3 | SRUTHY RAVINDRAN | KTU-F28517 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 4 | NEETHU JOHN | KTU-F3282 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 5 | DHANESH S | KTU-F15554 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 6 | ANU RETHNAKAR | KTU-F3326 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 7 | AJIN R.NAIR | KTU-F19797 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 8 | Dr.BINOY BALAN K. | KTU-F3774 | Ahalia School of Engineering and Technology, Palakkad | Professor |

Dr. P. R. Sreemahadevan Pillai
Principal
Ahalia School of Engineering & Technology
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# Report

APJ Abdul Kalam Technological University Sponsored three day Faculty Development Programme on **Numerical Linear Algebra and Partial Differential Equation**. The department of Science and Humanities, Ahalia School of Engineering and Technology is organizing the FDP. The goal of this FDP is to provide state-of-the-art research on Numerical Linear algebra and its applications in engineering. This will provide a forum for academicians, students and researchers working in the emerging field of Wavelet, Machine Learning, Computational Fluid Dynamics etc. A hands on MATLAB session will also be conducted for the participants of the workshop in which they will be introduced to the basics of MATLAB.

The FDP began with an inaugural function on 5th December 2018 at 9.30 AM at Seminar Hall, ASET, Palakkad. FDP Coordinator Dr. Binoy Balan K welcomed all the participants and gave a brief idea about the programme. The function was graced by Dr. Palanisamy T, Associate Professor, Amrita School of Engineering, Coimbatore, who wished the FDP a grand success. Dr. Krishna Kumar Kishor, Asst. Director, Academics gave his valuable thoughts on the importance of such programmes and also congratulated Dr. Binoy Balan K for arranging FDP. About 12 delegates from various engineering colleges of Kerala and 18 internal participants attended the FDP. The talks were handled by the resource persons from IIT, NIT and other reputed institutions.

The Valedictory functions held on 7th Dec 2018 at 4.30 PM. Certificates were distributed to the participants and the Coordinator proposed the vote of thanks.

Dr. P. R. Sreemahadevan Pillai
Principal
Ahalia School of Engineering & Technology
Palakkad-678557

## Objectives

The FDP provides an opportunity for young researchers to get an overview of the current trends in data analytics /business analytics, modeling & optimization and to interact with the experts in the area concerned such as science, engineering, management, etc..The course will enable the participant to gain theoretical fundamentals coupled with practical approach in the above fields arising in real world problems of different disciplines using R- language and Microsoft Excel.

## Topics

* Statistical data analysis.
* Fundamental theory & practice of Data Science.
* Optimization and data analysis in machine learning.
* Analytics with Excel.
* Statistical analysis using R.

## Resource Persons

Resource persons are experts from IITS, reputed research & academic institution across the nation

## Target Participants

Participation is open to faculty members working in institutions affiliated to APJ Abdul Kalam Technological University, who desire to pursue PhD and have the passion to excel in Advanced Mathematics & Statistics. Number of Participants is limited to 30 and will be filled based on a first come, first serve basis.

Faculty Development Programme

on

# Statistical Data Analysis and Optimization Techniques

09, 10 & 11 January 2020

Sponsored by

APJ Abdul Kalam Technological University

Organized by

Department of Science and Humanities


AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY

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**Patron**
Dr.V.S. Gopal, Chairman, Ahalia Group

**Advisors**
Dr. P.R. Sreemahadevan Pillai
Principal, ASET & Director, Ahalia Group of Institutions

Dr. Krishna Kumar Kishor
Asst. Director, Ahalia Group of Institutions

**Coordinators:**
Dr. Binoy Balan K
Professor and Head
Dept. of Science & Humanities.
Email: hodsh.aset@ahalia.ac.in
Mobile: +919020990466

Prof. Vignesh D
Asst. Professor
Dept. of Science &Humanities.
vignesh.d@ahalia.ac.in,
+918300108556

## REGISTRATION

**No Registration Fee**
All registrations require prior submission of duly completed Registration form on or before 03 January 2020. The forms should be signed and sealed by the Principal/Head of the Institution. Please scan and forward completed forms to hodsh.aset@ahalia.ac.in
**Paid accommodation will be provided based on prior request.**

**Important Dates:**

| | | |
|---|---|---|
| Last Date for Registration | : | 03 January 2020 |
| Notification of Selection | : | 06 January 2020 |
| Commencement of FDP | : | 09 January 2020 |

**Ahalia Health, Heritage & Knowledge Village**
Ahalia Health, Heritage & Knowledge Village is a project of Ahalia International Foundation located in an exotic region of Palakkad at the foot of Western Ghats amid breath taking valleys,verdant paddy fields and the dense herbal gardens, away from the din and bustle of city life. Ahalia Health, Heritage & Knowledge Village, one of the biggest campuses in the country, offers a perfect blend of nature and technology.The campus is situated 5 kms off the National Highway between Kanjikode and Walayar in Kerala. Coimbatore International Airport is at 1 hour drive (40 kms) and Palakkad (Palghat) Junction railway station is 20 kms away from the campus.

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**Ahalia School of Engineering & Technology**
Ahalia School of Engineering & Technology (ASET) was established in the year 2012.The college is located in a lush green campus to the beautiful view of the Western Ghats, and it provides a peaceful and congenial atmosphere, ideal for students for their holistic development. Ahalia School of Engineering & Technology offers five B.Tech. courses, complemented by various co-curricular and extracurricular activities.ASET, managed by Ahalia International Foundation, is approved by AICTE, New Delhi and affiliated to A.P.J. Abdul Kalam Technological University.

**The Department**
The Department of Science and Humanities imparts basic knowledge in Physics, Chemistry, Mathematics, English and Management which is the cornerstone of the engineering disciplines. The Department offers courses for various branches of Engineering from the first semester to eighth semester. The Department has well-spaced Chemistry and Physics Laboratories equipped with most modern facilities and instruments that add significance to the department.

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# KTU Sponsored FDP on
# Statistical Data Analysis and Optimization Techniques
# 09, 10 & 11 January 2020

## External Participants

| Sl. No. | Name of the Faculty | KTU ID | Name of the institution | Designation |
|---|---|---|---|---|
| 1 | Bineesh K B | KTU-F21128 | Royal College of Engineering & Technology, Akkikkavu, Thrissur | Assistant Professor |
| 2 | Binumon P. | KTU-F 979 | SJCET Palai | Assistant Professor |
| 3 | Jerin Thomas | KTU-F 634 | Amal Jyothi College of Engg., Kanjirappally | Assistant Professor |
| 4 | Jyothis Thomas | KTU-F 1361 | SJCET Palai | Assistant Professor |
| 5 | Manoj M | KTU-F2430 | Jawaharlal Coleege of Engineering & Technology, Palakkad | Assistant Professor |
| 6 | Ranjith K. | KTU-F21266 | Govt. Engineering College, Palakkad | Assistant Professor |
| 7 | Rani V.T | KTU-F 1301 | SJCET Palai | Assistant Professor |
| 8 | Sajith V S | KTU-F6264 | NSS College of Engineering, Akathethara, Palakkad | Assistant Professor |
| 9 | Sandhya P S | KTU-F21200 | Royal College of Engineering & Technology, Akkikkavu, Thrissur. | Assistant Professor |
| 10 | Santhosh Kumar G.S | KTU-F617 | Amal Jyothi College of Engg., Kanjirappally | Assistant Professor |
| 11 | Sreevidhya V R | KTU-F28105 | Royal College of Engineering & Technology, Akkikkavu, Thrissur. | Assistant Professor |
| 12 | Vimal V | KTU-F9422 | Royal College of Engineering & Technology, Akkikkavu, Thrissur. | Assistant Professor |

Office

Dr. P. R. Sreemahadevan Pillai
Principal
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# KTU Sponsored FDP on
# Statistical Data Analysis and Optimization Techniques
# 09, 10 & 11 January 2020

## Internal Participants

| Sl. No. | Name of the Faculty | KTU ID | Name of the institution | Designation |
|---|---|---|---|---|
| 1 | Prabha R. | KTU-F3789 | Ahalia School of Engineering and Technology | Assistant Professor |
| 2 | Sunitha K.G. | KTU-F4014 | Ahalia School of Engineering and Technology | Assistant Professor |
| 3 | Sangeetha P.S. | KTU-F3786 | Ahalia School of Engineering and Technology | Assistant Professor |
| 4 | Preeja V. | KTU-F3787 | Ahalia School of Engineering and Technology | Assistant Professor |
| 5 | Vignesh D. | KTU-F3779 | Ahalia School of Engineering and Technology | Assistant Professor |
| 6 | Thannasi C. | KTU-F3794 | Ahalia School of Engineering and Technology | Assistant Professor |
| 7 | Basil Baby | KTU-F13508 | Ahalia School of Engineering and Technology | Assistant Professor |
| 8 | Krishnakumar C. | KTU-F19781 | Ahalia School of Engineering and Technology | Assistant Professor |
| 9 | Roshan Sanu Y. | KTU-F4273 | Ahalia School of Engineering and Technology | Assistant Professor |
| 10 | Dr. Murugananth G. | KTU-F2824 | Ahalia School of Engineering and Technology | Professor |

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Office
Palakkad-678557

Dr. P. R. Sreemahadevan Pillai
Principal
Ahalia School of Engineering & Technology
Palakkad

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# KTU Sponsored FDP on Statistical Data Analysis and Optimization Techniques 09,10 & 11 January 2020

## Internal Participants: Supplementary List

| Sl. No. | Name of the Faculty | KTU ID | Name of the institution | Designation |
|---|---|---|---|---|
| 1 | Jayant kumar V | KTU-F3971 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 2 | Sumanlal M | KTU-F19775 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 3 | Dr. S Gunasekharan | KTU-F38890 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 4 | Anil M | KTU-F19768 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 5 | Satheeshkumar V | KTU-F28491 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 6 | Swetha C | KTU-F32998 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 7 | Dr. Binoy Balan K. | KTU-F3774 | Ahalia School of Engineering and Technology, Palakkad | Professor |
| 8 | Divya Mohan | KTU-F2961 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 9 | Vijitha Khan | KTU-F3044 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |
| 10 | A Manickavasagam | KTU-F2836 | Ahalia School of Engineering and Technology, Palakkad | Assistant Professor |

Ahalia School of Engg & Technology Office Palakkad-678557

Dr. P. R. Sreemahadevan Pillai
Principal
Ahalia School of Engineering & Technology
Palakkad-678557

## Report

# APJ Abdul Kalam Technological University Sponsored Faculty Development Programme on Statistical Data Analysis and Optimization Techniques.

The Department of Science and Humanities, Ahalia School of Engineering and Technology is organized a **APJ Abdul Kalam Technological University** sponsored three day Faculty Development Programmeon"Statistical Data analysis and Optimization Techniques".The goal of this FDP is to provide state-of-the-art research on Statistical Data analysis and Optimization Techniques. This will provide a forum for academicians and researchers from KTU affiliated institutions.

**Day 1:-**

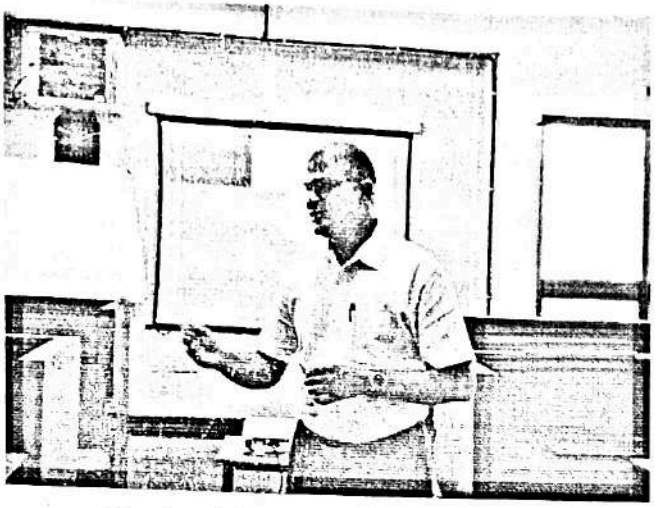


The FDP was inaugurated by Shri PNS Nair, CEO, Pastpin India Ltd on 9th January 2020 at 9.00 AM at Seminar Hall, ASET, Palakkad. About 10 participants from various engineering colleges of Kerala and 10 internal participants attended the FDP. The talks were handled by the resource persons from IIT and other reputed institutions.

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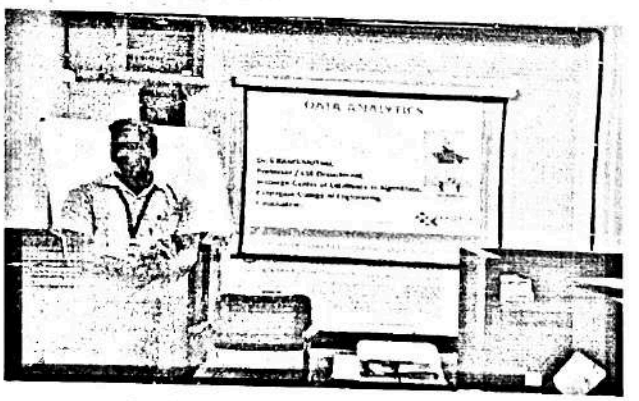
Principal
Ahalia School of Engineering & Technology
Palakkad-678557

**Session I (9:30 AM- 12:30 PM)**



The session was handled by Dr S Gunasekaran, Professor, Computer Science, ASET on overview and current trends in Data analysis and algorithms.

**Session II& III (01.30 PM- 05.00 PM)**



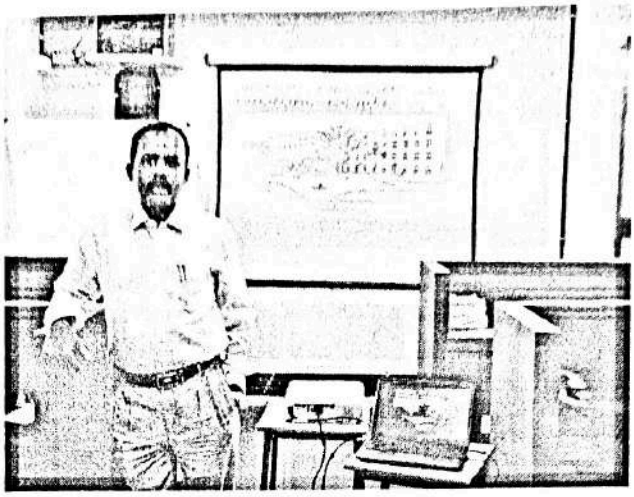

The sessionswas handled by Dr S Kannimuthu, Professor, Dept. of IT, Karpagam College of Engineering, Coimbatore. He gave lecture on classification of data using regression line and clustering techniques using K-means algorithm and also given hands session on classification of data using Rapid minor tool.

Office

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Principal
Ahalia School of Engineering & Technology
Palakkad-678557

**Day 2:-**

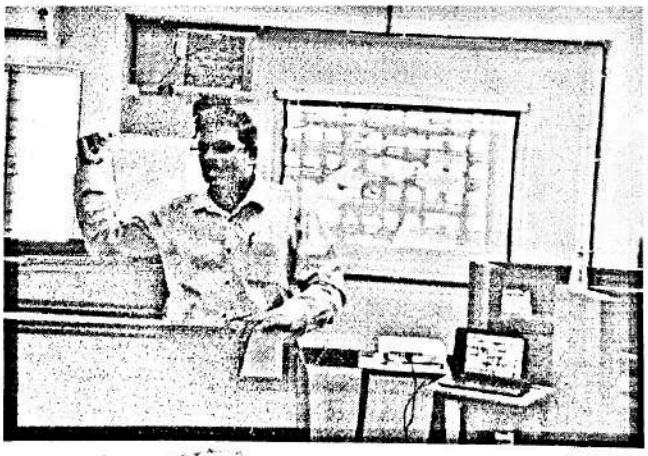
**Session I & II (09.30 AM- 12.30 PM)**



The sessions were handled by Dr N Shivakumar, Professor, Mathematics, Hindusthan College of Arts and Science, Coimbatore. He gave lecture on overview of statistics, common terminology used in data analysis, data analysis tool and optimization techniques using operation research problems.

**Session III & IV (01.30 PM- 04.30 PM)**

The sessionswere handled by Dr. M. Ashok Kumar, Asst. Professor, Mathematics, IIT Palakkad on Statistics in data analysis point of view and optimization techniques in Information theory.



Dr. P. P. Sreemahadevan Pillai
Principal
Palakkad-678557

**Day 3:-**

**Session I & II (09:30 AM- 12:30 PM )**

The hands on sessions on R-programming were handled by Dr G. Murugananth, Professor, EEE, ASET,where the participants practiced how to load the data in to the workspace, classification of data using regression line and support vector machine algorithm, clustering techniques using k-means algorithm.

**Session III & IV (01:30 PM- 04:45 PM)**

The practical sessions on Data analysis using R-programming were handled by Dr Binoy Balan K, Professor, Mathematics, ASET.

The Valedictory functions held on 11th Jan 2020 at 4.00 PM. Certificates were distributed to the participants and the Coordinator Dr, Binoy Balan K, Professor, Mathematics, ASET proposed a vote of thanks



Dr. P. R. Sreemahadevan Pillai
Principal
Ahalia School of Engineering & Technology
Palakkad-678557

# Registration Form
## FDP on Solid Waste Management

Name:

Designation:

Educational Qualification:

Address for communication:

Email:

Mobile:

Professional Experience:

Teaching: ∞

Industry:

**Declaration**

The information furnished above is true to the best of my knowledge.

Date:

Place: Signature

.....

Mr./Ms./Dr.....

is an employee of our institution. He/She will be permitted to attend the programme, if selected.

Date:

Place:

Signature & seal of Head of Organization

Please email the filled registration form to :
neethu.john@ahalia.ac.in

Patron
Dr. V.S. Gopal, Chairman, Ahalia Group

Advisor
Dr. Krishna Kumar Kishor
Asst. Director, Ahalia Group Academic Institutions

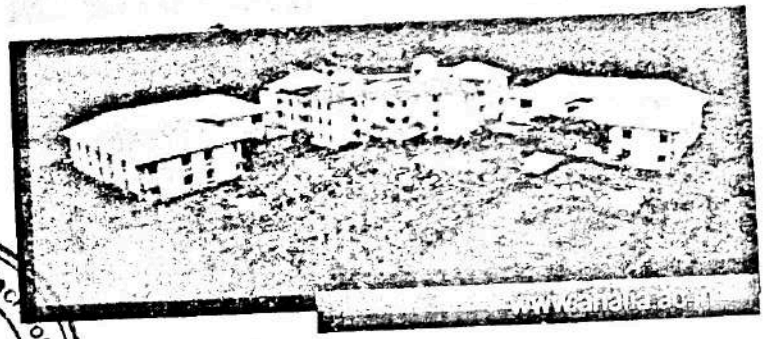
**Coordinators**
Dr. P.R. Sreemahadevan Pillai
Principal, ASET &
Director, Ahalia Group Academic Institutions

Prof. Neethu John
Department of Civil Engineering
Ahalia School of Engineering & Technology

**Address for Correspondence**
Prof. Neethu John
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neethu.john@ahalia.ac.in,
Mobile: 9496465162, 04923 226666

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY
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Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University
Ahalia Health, Heritage & Knowledge Village, Palakkad - 678557





Office

Dr. P. R. Sreemahadevan
Principal
Ahalia School of Engineering & Technology
Palakkad-678557

Sponsored Faculty Development Programme on

# SOLID WASTE MANAGEMENT

## 9, 10 & 11 JANUARY 2020

Organized by
Ahalia School of Engineering & Technology
Ahalia Campus, Palakkad - 678557

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Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University
Ahalia Health, Heritage & Knowledge Village, Palakkad - 678557.

## Ahalia Health, Heritage & Knowledge Village

Ahalia Health, Heritage & Knowledge Village is a project of Ahalia [illegible] exotic region of Palakkad at the foot of Western Ghats amid breath taking valleys, verdant paddy fields and the dense herbal gardens, away from the din and bustle of city life. Ahalia Health, Heritage & Knowledge Village, the largest campus in the state offers a perfect blend of nature and technology. The campus is situated 5 kms off the National Highway between Kanjikode and Walayar in Kerala. Coimbatore International Airport is at 1 hour drive (40 kms) and Palakkad (Palghat) Junction railway station is 20 kms away from the campus.

Ahalia Health, Heritage & Knowledge Village is an integrated campus consisting of Ahalia Foundation Eye Hospital, Ahalia Ayurveda Medical College & Hospital, Ahalia Diabetes Hospital, Ahalia Women & Children's Hospital, Ahalia Medicine Manufacturing Unit (Ayurveda), Ahalia Children's Village, Ahalia Heritage Village, Ahalia School of Management, Ahalia School of Optometry, Ahalia School of Engineering & Technology, Ahalia School of Pharmacy, Ahalia School of Paramedical Sciences, Ahalia Public School, IIT Palakkad and more.

## Ahalia School of Engineering & Technology

Ahalia School of Engineering & Technology (ASET) was established in the year 2012. The college is located in a lush green campus to the beautiful view of the Western Ghats and it provides a peaceful and congenial atmosphere, ideal for students for their holistic development. Ahalia School of Engineering & Technology offers five B.Tech. courses, that is complemented by various co-curricular and extra-curricular activities. ASET, managed by Ahalia International Foundation, is approved by AICTE, New Delhi and affiliated to A.P.J. Abdul Kalam Technological University.

## Civil Engineering Department

Department of Civil Engineering was established way back in 2012 along with the inception of the institution. The department offers B Tech Degree in Civil Engineering, approved by AICTE and affiliated to A P J Abdul Kalam Technological University. The Civil Engineering Department provides an outstanding academic environment Complemented by excellence in teaching. The well-equipped laboratories in various fields of Civil Engineering such as Survey Lab, Material Testing Lab, Geotechnical Engineering Lab, Transportation Engineering Lab, Design and Analysis Lab and Environmental Engineering Lab offers all facilities for carrying out the practical oriented studies. The First Rank of the University of Calicut for B Tech was bagged by Saranya R of this Department.

## Objectives of the programme

- To create an awareness of different types of solid waste generated in our environment and their ill effects.
- To protect the environment for the health and safety of the population.

## How to reach Ahalia Campus

On the Palakkad to Pollachi State Highway No.52 , get down at Athicode Junction, 15 Km from Palakkad bus stand. From Athicode take the bus via Velanthavalam on State Highway No.26 & get down in front of Green Gate of Ahalia (4 Kms). From Green Gate, free Ahalia shuttle service is available to all parts of the campus, frequently

On the Palakkad to Coimbatore National Highway 544, get dowm at Alamaram (BEML) junction, 14 Kms from Palakkad bus stand. On the right side is Ahalia Information Center. From Ahalia Information Center, free Ahalia shuttle bus service is available to all parts of the campus frequently, which takes to all Ahalia Institutions, via Ahalia Water Gate (5 kms).

## Technical Sessions

Urban solid waste management in Kerala : challanges & opportunities

E Waste Mangement

Organic Waste Mangement

Solid Waste & Social Issues

Wealth from Waste

## Important Dates :

Last date for registration : **03 JANUARY 2020**

Intimation of selection : **06 JANUARY 2020**

Dr. P. R. Sreekumaran Pillai
Principal
Ahalia School of Engineering & Technology
Palakkad-678557

## Accommodation

Accommodation will be provided on prior request. Charges apply.

## contact

Prof.Neethu John
Department of Civil Engineering
Ahalia School of Engineering and Technology
neethu.john@ahalia.ac.in
Mobile : 9496465162,04923 226666

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# KTU sponsored FDP on Solid Waste Management
# 9th to 11th January

## LIST OF EXTERNAL PARTICIPANTS

| SL NO. | NAME | NAME OF INSTITUTION | DESIGNATION | KTU ID |
|---|---|---|---|---|
| 1 | Dr. Hema Nalini A V | MEA Engineering College | Professor and HoD | KTU-F7690 |
| 2 | Dr. Resmi G | NSS College of Engineering | Professor | KTU-F7931 |
| 3 | Ms. Vasudha | Sahrdaya College of Engineering and Technology | Asst. Professor | KTU-F36214 |
| 4 | Ms. Jinsha P | Vedavyasa Institute of Technology | Asst. Professor | KTU-F39111 |
| 5 | Ms. Bhagya Gopalakrishnan | Vedavyasa Institute of Technology | Asst. Professor | Yet to be issued |
| 6 | Ms. Kavya M S | Vedavyasa Institute of Technology | Asst. Professor | KTU-F37389 |
| 7 | Ms. Nithya S | Al Ameen Engineering College | Asst. Professor | KTU-F35952 |
| 8 | Ms. Radhika K Manjusha | NSS College of Engineering | Asst. Professor | KTU-F39327 |
| 9 | Ms. Rohini G Nair | NSS College of Engineering | Asst. Professor | KTU-F16024 |
| 10 | Ms. Varsha V | NSS College of Engineering | Asst. Professor | KTU-F29271 |
| 11 | Ms. Maneesha B | NSS College of Engineering | Asst. Professor | KTU-F24627 |
| 12 | Ms. Praseeda K I | NSS College of Engineering | Asst. Professor | KTU-F32310 |
| 13 | Ms. Sulakshna | NSS College of Engineering | Asst. Professor | KTU-F38291 |
| 14 | Ms. Riya Pious | MEA Engineering College | Asst. Professor | KTU-F10788 |

Co ordinator

Principal

PRINCIPAL
AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY
PALAKKAD-678557

School of Engg. & Technology
Office
Palakkad-678 557

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Ahalia Health, Heritage & Knowledge Village, Palakkad - 678557 Ph: 04923-226666, www.ahalia.ac.in

# KTU sponsored FDP on Solid Waste Management
# 9th to 11th January

## LIST OF INTERNAL PARTICIPANTS

| L.NO. | NAME | NAME OF INSTITUTION | DESIGNATION | KTU ID |
|---|---|---|---|---|
| 1 | Dr. P.R. Sreemahadevan Pillai | Ahalia School of Engineering & Technology | Principal ,ASET | KTU-F7892 |
| 2 | Dr. Jino John | Ahalia School of Engineering & Technology | Asst. Professor | KTU-F3103 |
| 3 | Dr. V Balamurugan | Ahalia School of Engineering & Technology | Asst. Professor | KTU-F2887 |
| 4 | Ms. Neethu John | Ahalia School of Engineering & Technology | Asst. Professor | KTU-F3282 |
| 5 | Ms. Kripa K.M. | Ahalia School of Engineering & Technology | Asst. Professor | KTU-F19776 |
| 6 | Mr.Alwyn Varghese | Ahalia School of Engineering & Technology | Asst. Professor | KTU-F25225 |
| 7 | Mr. Sreerag B.M. | Ahalia School of Engineering & Technology | Asst. Professor | KTU-F25228 |
| 8 | Mr. Anand Haridas | Ahalia School of Engineering & Technology | Asst. Professor | KTU-F19787 |
| 9 | Ms. Sruthy Sukumaran | Ahalia School of Engineering & Technology | Asst. Professor | KTU-F36650 |
| 10 | Ms. Aswathy P.V | Ahalia School of Engineering & Technology | Asst. Professor | KTU-F38898 |

Co ordinator

Principal

PRINCIPAL
AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY
PALAKKAD-678557

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# KTU sponsored FDP on Solid Waste Management
# 9th to 11th January

## LIST OF SUPPLEMENTARY PARTICIPANTS

| L NO. | NAME | NAME OF INSTITUTION | DESIGNATION | KTU ID |
|---|---|---|---|---|
| 1 | Mr. Aneesh K. | Ahalia School of Engineering & Technology | Asst. Professor | KTU-F11451 |
| 2 | Ms. Akhila Krishnan | Ahalia School of Engineering & Technology | Asst. Professor | KTU-F3011 |
| 3 | Ms. Gopika Unni | Ahalia School of Engineering & Technology | Asst. Professor | KTU-F3297 |
| 4 | Ms. Sruthi Ravindran | Ahalia School of Engineering & Technology | Asst. Professor | KTU-F28517 |
| 5 | Ms. Nirmala Devi | Ahalia School of Engineering & Technology | Asst. Professor | KTU-F8699 |
| 6 | Ms. Indu M | Ahalia School of Engineering & Technology | Asst. Professor | KTU-F4621 |
| 7 | Ms. Sulegha S | Ahalia School of Engineering & Technology | Office staff | |
| 8 | Mr. Selvam G | Ahalia School of Engineering & Technology | Office staff | |
| 9 | Mr. Jijesh K.R | Ahalia School of Engineering & Technology | Office staff | |
| 10 | Mr. Jacob M J | Ahalia School of Engineering & Technology | Office staff | |

Co ordinator

Principal

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# KTU SPONSORED FACULTY DEVELOPMENT PROGRAMME ON SOLID WASTE MANAGEMENT

## 9 TO 11 JANUARY 2020

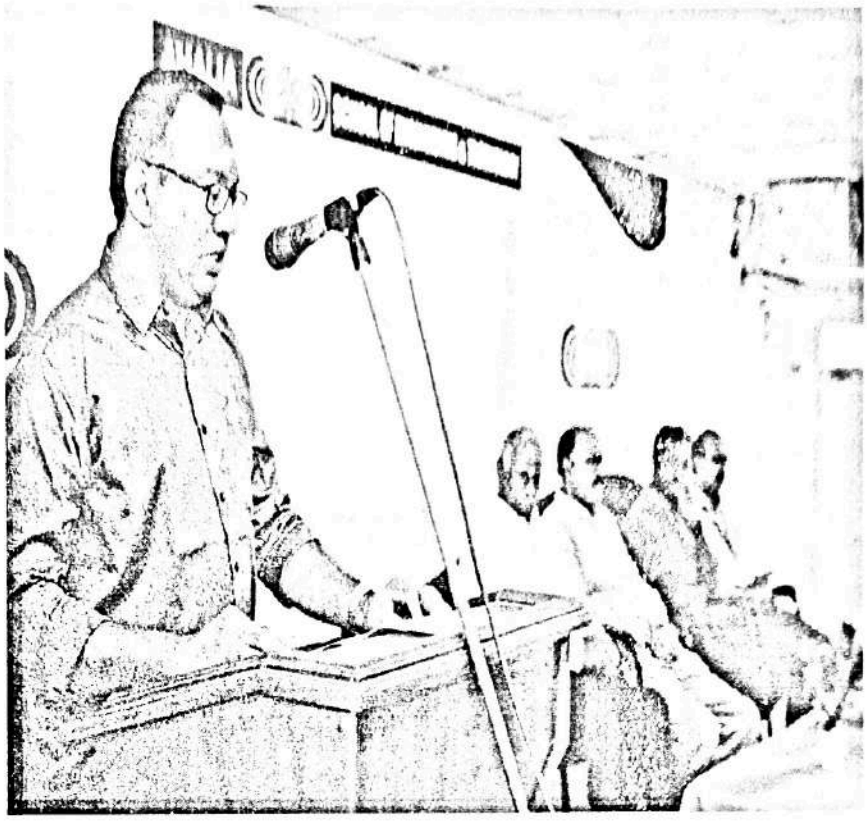
KTU sponsored faculty development programme on **Solid Waste Management** organized by Civil Engineering Department was inaugurated by Er. P. N. S. Nair , C.E.O. Patspin India Ltd. at Ahalia School of Engineering and Technology, at 9.30 a.m. on 09 January 2020. He congratulated and encouraged the teachers for their initiative in improving technical knowledge. He also shared his professional experiences and ideas with the participants. Dr. G. Murugananth delivered the welcome address and the Principal Dr. P. R. Sreemahadevan Pillai gave the presidential address. In his presidential address, he spoke about importance of attending faculty development programs for updating the knowledge level. Dr. Krishna Kumar Kishor, Assistant Director (Academics), in his felicitation address thanked all the eminent resource persons and external participants for their presence in the program. The inaugural function concluded with a vote of thanks by Dr. Jino John, HoD Civil Dept.



Participants of the FDP programme & teachers at Ahalia School of Engineering and Technology, with the Chief Guest

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Palakkad-678 557

Dr. P. R. Sreemahadevan Pillai
Principal
Ahalia School of Engineering & Technology
Palakkad-678557



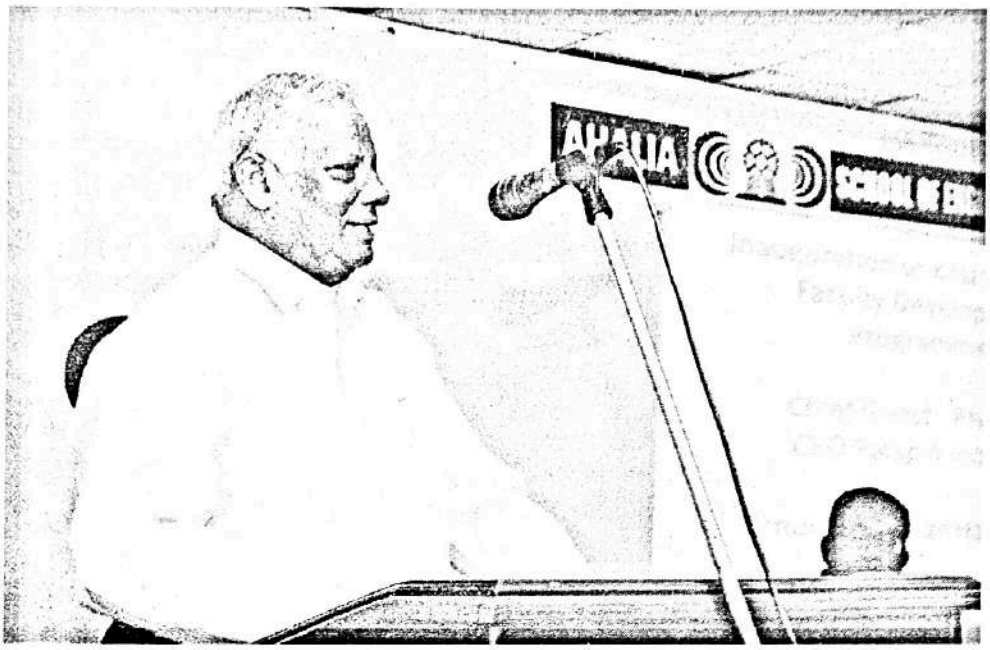
Welcome address




Presidential address

Ahalia School of Engg & Technology
Office
Palakkad-678 557

Dr. P. R. Sreemahadevan Pillai
Principal
Ahalia School of Engineering & Technology
Palakkad-678557



Inaugural address



Felicitation address

Dr. P. R. Sreemahadevan Pillai
Principal
Ahalia School of Engineering & Technology
Palakkad-678557

Ahalia School of Engg & Technology
Office
Palakkad-678 557




Presenting memento to the Chief Guest



Audience at the inaugural session

Dr. P. R. Sreemahadevan Pillai
Principal
Ahalia School of Engineering & Technology
Palakkad-678557



Vote of thanks

Immediately after the inaugural ceremony a key note address was delivered by the chief guest of the session on "Industrial waste pollution". The session provided a keen knowledge on the harmful effects of textile industrial pollution on water bodies.

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Dr. Resmi G. Professor from NSS College of Engineering handled a session on "W[illegible]lth from waste". The talk outlined various waste disposal methods co[illegible]ntrating mainly on E-waste management. The session also shared many in[illegible]ting facts regarding the recycled products from waste. She also provided an in[illegible] into various industries taking more initiatives for the production of recycled g[illegible].



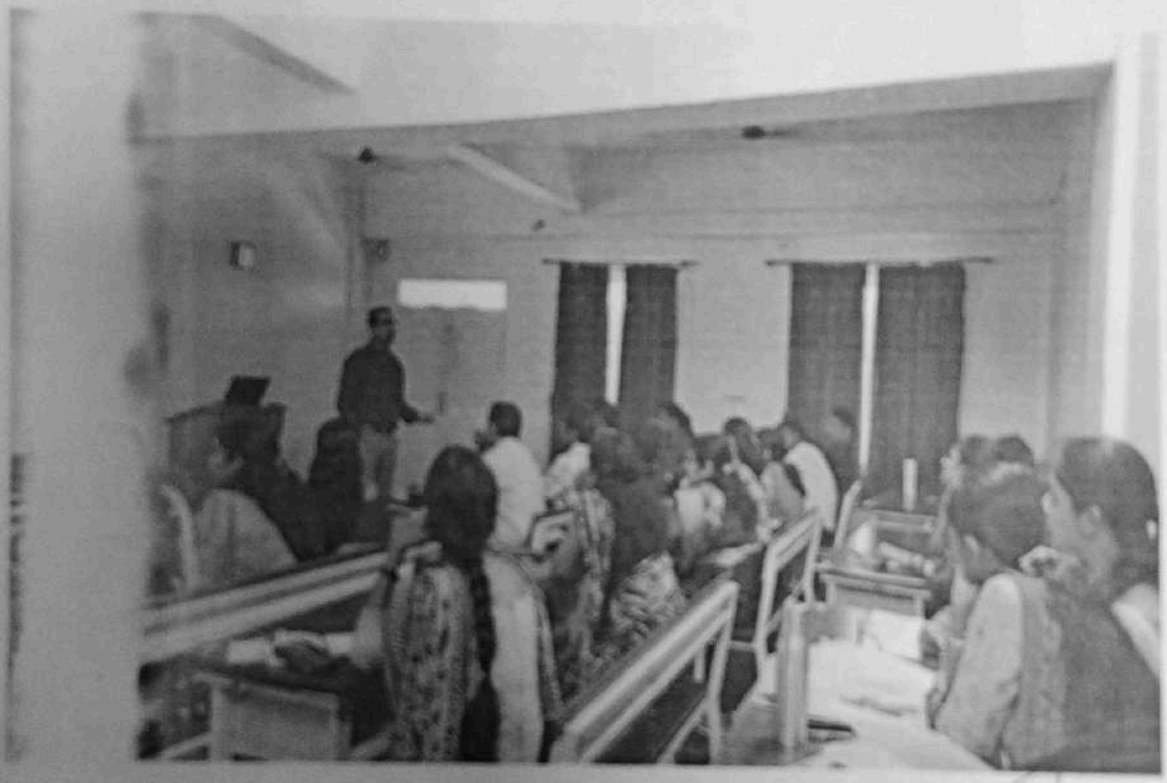
E[illegible]rishnan M. N. Environmental Engineer, Kerala Pollution Control Board d[illegible]l about Municipal Solid Waste Management rules and acts. The session in[illegible] a talk on the current issues and challenges faced by various authorities d[illegible]he collection of solid waste. He also mentioned about the recently in[illegible]ented rules by the Government of Kerala regarding the usage of plastics.



Dr. P. R. Sreemahadevan Pillai
Principal
[illegible] Engineering & Technology
Palakkad-678557

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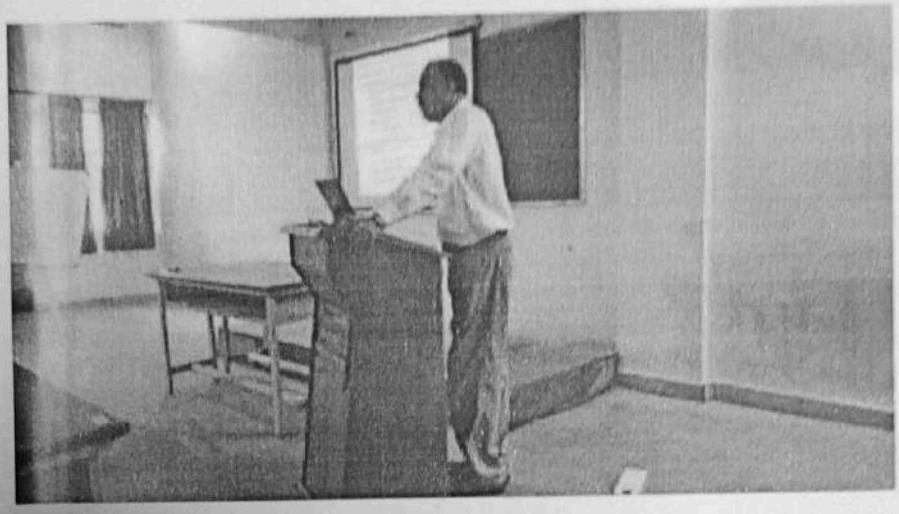
**Dr. Sudheer Padikkal**, Joint Director, Water Resources Department, Government of Kerala gave a clear idea on Waste Management for CCA, RR: Challenges and ways forward. The session mainly concentrated on the current threats faced by the rivers due to human activities. He also suggested many recovery measures to rejuvenate the rivers. The session was made interactive by discussing about the problems of Pamba River.



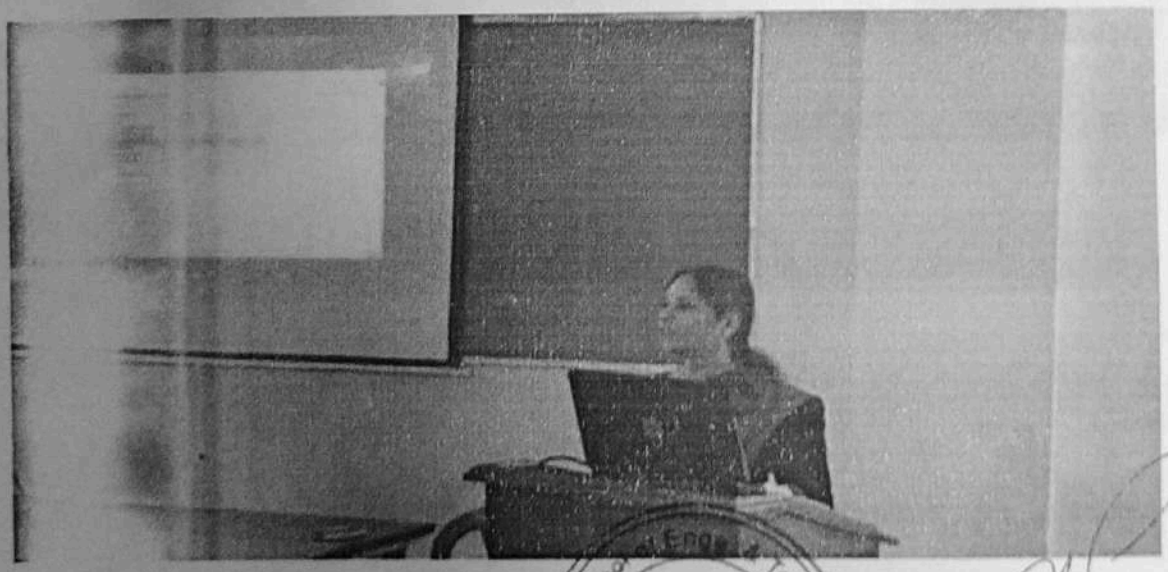
Office

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Principal
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Dr.P R **Sreemahadevan Pillai** handled an informative session on the topic "Solid waste management and social issues". The session mainly concentrated on management of disaster debris particularly the debris created due to flood. The session gave an idea of newly implemented ecofriendly sound reconstruction methods.



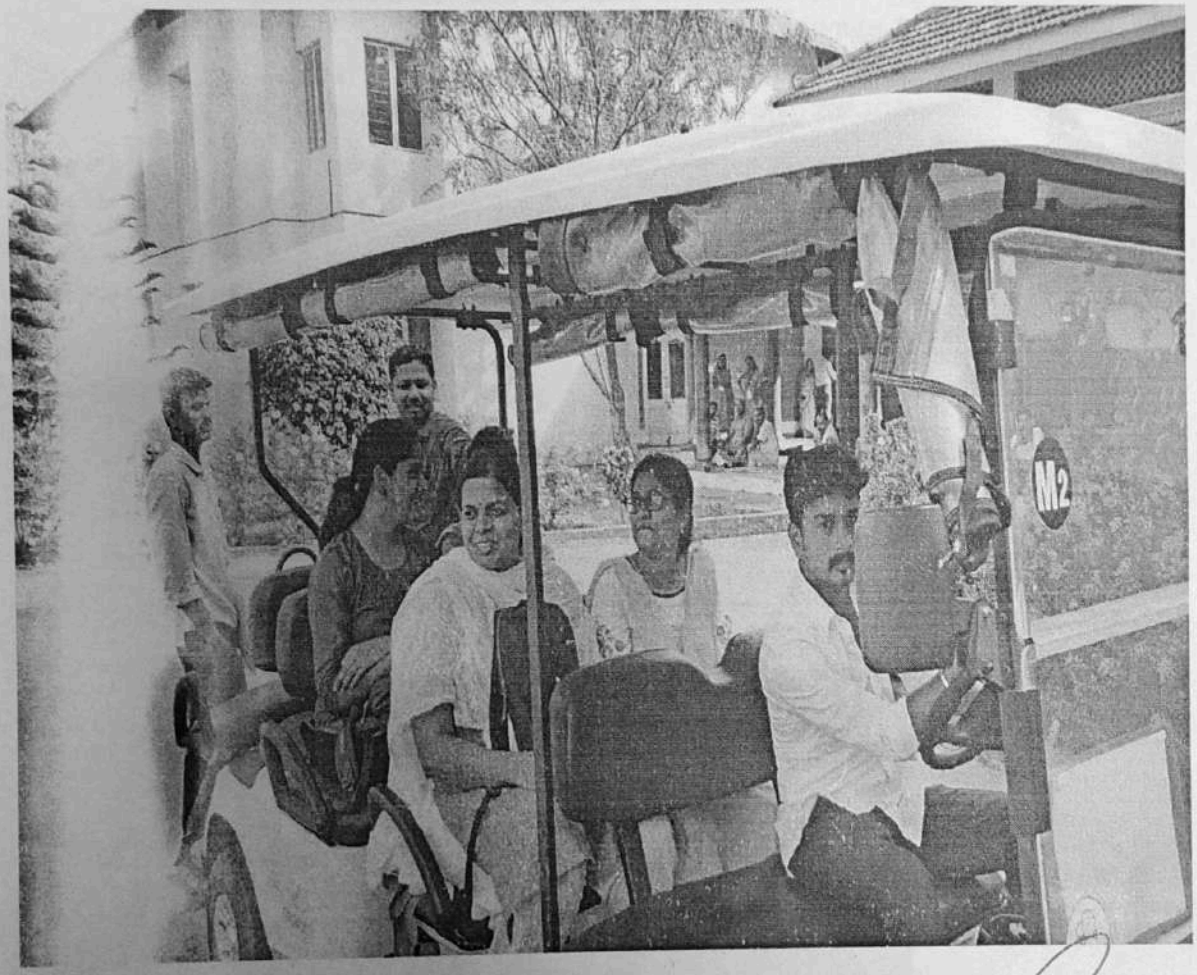
Dr. A **V Hema Nalini** , Head of Civil Engineering Department ,MEA College of Engineering, handled a session on "plastic waste management". The session outlined the harmful effects of plastic waste on environment. The session was really an eye opener for the participants.



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Principal
Ahalia School of Engineering & Technology
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# Campus visit




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Principal
Ahalia School of Engineering & Technology
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## Report on site visit

The site visit as a part of faculty development programme was held on 11th January 2020 at AHHKV Medicine manufacturing unit and the sewage treatment plant functioning along with the unit. In-charge of the treatment plant explained the working of effluent treatment and the uses of treated water. He also outlined the method of testing of water at source and outlet of sewage treatment plant. The functioning of primary clarifier, sludge bed, aeration tank, equalization tank, activated carbon filter and pressure sand filter were also mentioned.





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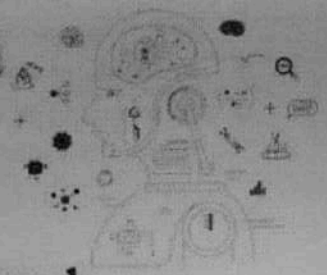
# AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY

ISO 9001:2015 Certified Institution. Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University
Ahalia Health, Heritage & Knowledge Village, Palakkad - 678557. Ph: 04923-226666, www.ahalia.ac.in

**AICTE-ISTE Sponsored Six Day**
**Induction / Refresher Programme**
**on**

# Machine Learning and Optimization

**Phase-I**



**Organised by**

**Department of Electronics and Communication Engineering**

**22 - 27 February 2021**

## About the Programme

Machine learning is a branch of artificial intelligence (AI) focused on building applications that learn from data and improve their accuracy over time without being programmed to do so. As it is evident from the name, it gives the computer which makes it more similar to humans: the ability to learn. Machine learning is actively being used today, perhaps in many more places than one would expect. We probably use a learning algorithm dozens of times without even knowing it. This programme is sponsored by AICTE and ISTE and it aims to provide better understanding of machine learning and optimization using the following syllabus.

| | |
|---|---|
| **Day-1** | Introduction to Machine Learning |
| **Day-2** | Fundamental Mathematics for Machine Learning (Statistics and Probability) |
| **Day-3** | Dimensionality Reduction, Principle Component Analysis (PCA) |
| **Day-4** | Decision Trees, Classification by Regression (CART), Support Vector Machine |
| **Day-5** | Discrete Markov Processes, Hidden Markov models, Clustering and Types |
| **Day-6** | Optimization and Neural Networks |

- **E-Certificate will be given to the eligible participants**
- **Last Date of Registration 19 - 02 - 2021**
- **Intimation of Selection 20- 02- 2021**
- **Eligibility to participate : Faculty members & research scholars belonging to AICTE approved technical institutions and UGC approved Universities and Industrial persons**

Dr. P. R. Sreemahadevan Pillai
Principal
Ahalia School of Engineering & Technology
Palakkad-678557



| | |
|---|---|
| **Last date for Registration** | **19 Feb 2021** |
| **Registration Amount** | **NIL** |
| **Registration Link** | **https://tinyurl.com/y272w6zy** |
| **WhatsApp Group** | **https://tinyurl.com/y2rjd97n** |
| **Email ID for contact** | **hodece.aset@ahalia.ac.in** |
| **Mode of Class** | **Google Meet and Google Classroom. Google Meet Id link will be circulated to the registered email and mobile number** |

## Ahalia School of Engineering and Technology

Ahalia School of Engineering and Technology (ASET), provides world-class technical education and training in Engineering and Technology to students from diverse socio-economic background. The college, located in a lush green campus with a beautiful view of the Western Ghats, provides a peaceful and congenial atmosphere, which is ideal for students' holistic development. Ahalia School of Engineering and Technology offers five B.Tech. courses complemented by various co-curricular and extra-curricular activities. ASET, managed by Ahalia International Foundation, is approved by AICTE, New Delhi and is affiliated to APJ Abdul Kalam Technological University, Kerala.

## Ahalia Health, Heritage and Knowledge Village (AHHKV)

Ahalia Health, Heritage & Knowledge Village is a project of Ahalia International Foundation, located in an exotic region of Palakkad at the foot of Western Ghats. AHHKV is one of the biggest campuses in the country, offers a perfect blend of nature and technology. The campus is situated 5 kms off the National Highway between Kanjikode and Walayar in Kerala. Coimbatore International Airport is at 1 hour drive (40 kms) and Palakkad (Palghat) Junction railway station is 20 kms away from the campus.

## About the ECE Department

The Department of ECE offers a full time four year B.Tech program with an intake of 60. The Department has organized many workshops, seminars, guest lectures, symposiums and faculty development programs. The department is well equipped with excellent infrastructure, dedicated team of eminent faculty members and laboratories with advanced equipment.

## Organizing Committee

**Patron**
**Dr. V. S. Gopal**
Chairman,
Ahalia Group

**Chairman**
**Dr. P. R. Sreemahadevan Pillai**
Principal, ASET &
Director,
Ahalia Group of Academic Institutions

Vice-Chairman
**Dr. Krishna Kumar Kishor**
Vice Principal, ASET &
Assistant Director,
Ahalia Group of Academic Institutions

Ahalia School of Engg & Technology Office Palakkad-678 557

Dr. P. R. Sreemahadevan Pillai
Principal
Ahalia School of Engineering & Technology
Palakkad-678557

Ahalia Group consists of Ahalia School of Engineering & Technology , Ahalia Foundation Eye Hospital, Ahalia Ayurveda Medical College & Hospital, Ahalia Diabetes Hospital, Ahalia Women & Children's Hospital, Ahalia Medicine Manufacturing Unit (Ayurveda), Ahalia Children's Village, Ahalia Heritage Village, Ahalia School of Management, Ahalia School of Optometry, Ahalia School of Pharmacy, Ahalia School of Paramedical Sciences, Ahalia School of Commerce and Mathematics, Ahalia Public School, ect...

## Contact


**Dr.V.Balamurugan**
**Coordinator**
**Professor & Head**
**Department of ECE**
**Ahalia School of Engineering and Technology,**
Ahalia Health, Heritage & Knowledge Village,
Palakkad, Kerala, India
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## AICTE - ISTE Sponsored Faculty Development Programme on Machine Learning and Optimization –Phase-I 22-27 February 2021

### List of the total registered participants

| Sl No | Email Address | Salutation | Full Name as it would appear in the certificate | Designation | Gender | Department | Full Name of the Institution or Organization | ISTE Member | ISTE Membership Number | Whatsapp Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | vpradeepa79@gmail.com | Mrs. | Pradeepa V | AP | Female | Ece | KTU | Yes | | 9037430161 |
| 2 | remyaarav@gmail.com | Mrs. | Remya K P | Asst.Professor | Female | Electronics and communication Engineering | Jawaharlal College of Engineering and Technology | No | | 9495969349 |
| 3 | sreelakshmisnair14@gmail.com | Ms. | SREELAKSHMI S | Assistant professor | Female | ELECTRONICS AND COMMUNICATION | Jawaharlal college of engineering and technology | No | | 9656654418 |
| 4 | hasin.p@gmail.com | Mrs. | Haseena P | Assistant professor | Female | Electronics and communication engineering | Jawaharlal college of engineering and technology | Yes | LM94843 | 8281279616 |
| 5 | theophilus.c@liba.edu | Dr. | Theophilus Dhyankumar C | Research Associate | Male | MBA | Loyola Institute of Business Administration (LIBA), Chennai | No | | 9894160369 |
| 6 | saneevs@gmail.com | Mr. | SANISH V S | Assistant professor | Male | Electronics and communication Engineering | Jawaharlal College Of Engineering and Technology, Palakkad | Yes | LM-89585 | 9539312142 |
| 7 | anandvimal1@gmail.com | | Anand R | Assistant Professor | Male | Ece | Sona College of Technology | Yes | | 9600945406 |
| 8 | shilparagesh89@gmail.com | Dr. | SHILPA SURESH | Assistant Professor | Female | Electronics and Communication Engineering | MES COLLEGE OF ENGINEERING KUTTIPPURAM | No | NA | 9400423775 |
| 9 | faseelakp@gmail.com | Ms. | Faseela K P | Assistant Professor | Female | ECE | MES Coleige of Engineering Kuttippuram | No | | 9947898999 |
| 10 | nasckalaivani@nehrucolleges.co | Dr. | A. KALAIVANI | Assistant Professor | Female | Computer Applications | Nehru Arts and Science College | No | | 9524531741 |
| 11 | siva05276@gmail.com | Mr. | SIVA SUBRAMANIAN K | Assistant Professor | Male | Electrical and Electronics Engineering | V V COLLEGE OF ENGINEERING TISAIYANVILAI | No | | 9159701523 |
| 12 | s_veni@cb.amrita.edu | Dr. | Veni S | Associate Professor | Female | Electronica and Communication Engineering | Amrita School of Engineering, Amrita Vishwa Vidyapeetham | Yes | LM 16259 | 9894684466 |
| 13 | nisheenasaigil@gmail.com | Dr. | NISHEENA V IQBAL | Associate professor | Female | Electronics and communication engineering | MES COLLEGE OF ENGINEERING KUTTIPPURAM | Yes | | 9744388377 |
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**Report on AICTE -ISTE Sponsored 6-day online Faculty Development Programme on Machine Learning and Optimization –Phase I**

22-27, February 2021

The Department of Electronics and Communication Engineering, Ahalia School of Engineering and Technology organized AICTE -ISTE Sponsored 6-day online Faculty Development Programme on Machine Learning and Optimization –Phase –I during 22-27, February 2021. The programme was inaugurated on 22nd February 2021 by chief guest Col. B. Venkat, Director, Faculty Development Cell, AICTE, New Delhi. The Chief guest gave a valuable insight on the FDP and focused on the purpose of implementation in the field of education. He stressed the basic idea should be to improve the methods and enhance the teaching and technical skills . Dr. P.R Sreemahadevan Pillai , Principal , Ahalia School of Engineering and Technology and Director, Ahalia group of Academic Institutions, presided over the function. . He gave motivational and inspirational talk to participants. Dr. Krishna Kumar Kishor , Vice- Principal, Ahalia School of Engineering and Technology and Assistant Director, Ahalia Group of Academic Institutions, felicitated the gathering . He highlighted the need of machine learning and innovations to make education more relevant for making a better society for the future.

Dr.V Balamurugan had welcomed the gathering and briefed about the FDP and its importance. He explained various outcome of the program. He had given brief outline of program and requested to all participants to enrich their knowledge from this FDP by effective participation.

There was a total of 22 sessions. Each session was handled by experts from reputed academic institutions and industries. Various topics of machine learning and optimizations were presented along with hands on training A total of 126 participants from across the country registered and 89 participants were actively participated in the programme. The FDP was concluded with valedictory function on 27 February 2021. The valedictory speech was given by Prof.Vijay D. Vaidya, Executive Secretary, ISTE and he congratulated the Coordinators and Organizing Committee for successfully conducting FDP, he also appreciated the FDP theme..

The vote of thanks was given by Dr. V.Balamurugan , FDP Coordinator. He highlighted the immense contribution of the Organizing Committee members and experts. He presented a special thanks to .. Dr. P.R Sreemahadevan Pillai , Principal , Ahalia School of Engineering and Technology and Director, Ahalia group of Academic Institutions and Dr. Krishna Kumar

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Kishor , Vice- Principal and Assistant Director, Ahalia Group of Academic Institutions, He also showed his gratitude towards the Ahalia Management and Advosiry Committee members for facilitating the event. He heartily thanked all the speakers who spared their valuable time. He also thanked all the participants who made this event a grand success by participating wholeheartedly.

**Outcome of the FDP:**

All the sessions were very informative. The discussed areas are of great benefit to the participants as the topics with the latest trends. Participants were educated on the most widely used advance strategies in Machine Learning areas like Deep learning algorithms, SVM, CNN etc. The participants gained knowledge about Machine Learning and otptimization techniques. This FDP was immensely useful for the beginner level and middle level research scholars. The research scholars can get technical inputs for their research work from the Resource Persons. This in turn will help in motivating participants and accentuate the placement opportunities of students.

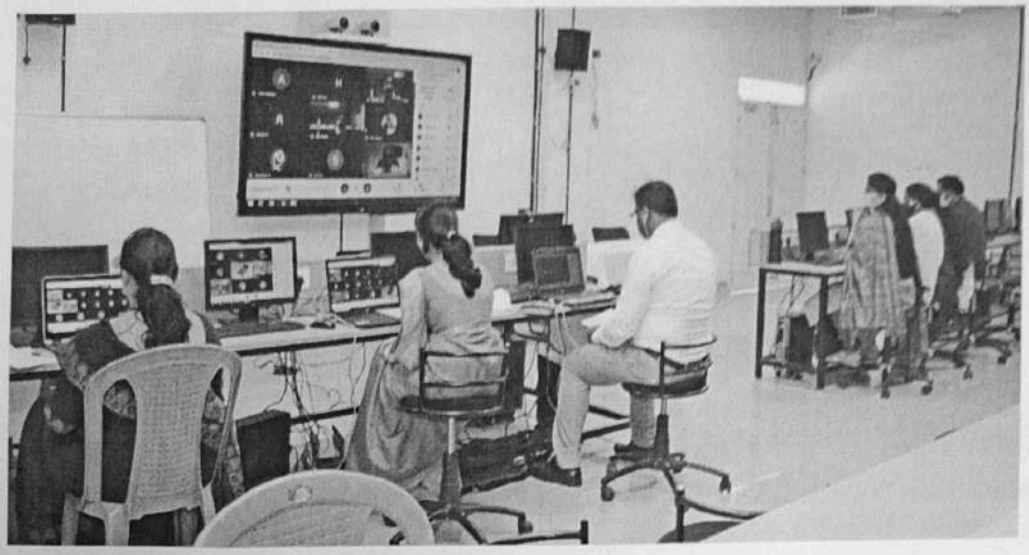
The programme was designed to be generic in nature for satisfying the needs of academic institutions and industry personnel field of machine learning and optimization.

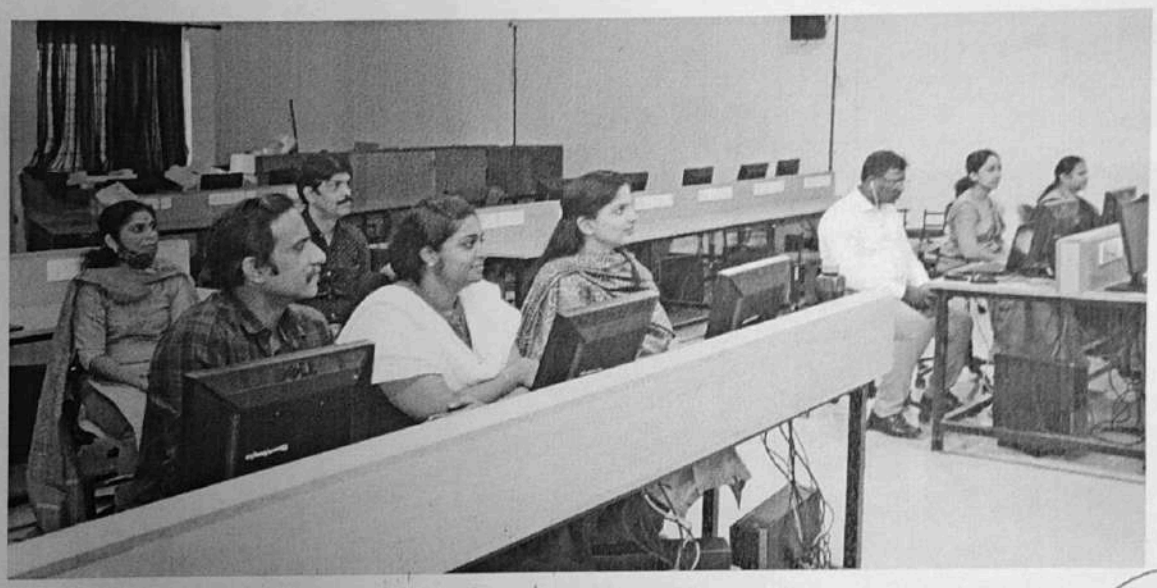
All the eligible participants were distributed with the participant certificates on successful completion of assessment

The following **Feedback** was received from the participants:

- 84.3% of the participants felt that the delivery and presentation of the Resource Persons were excellent.
- 82% of the participants opined that the FDP was coordinated as excellent.
- Participants endorsed the fact that such FDPs should be arranged regularly.

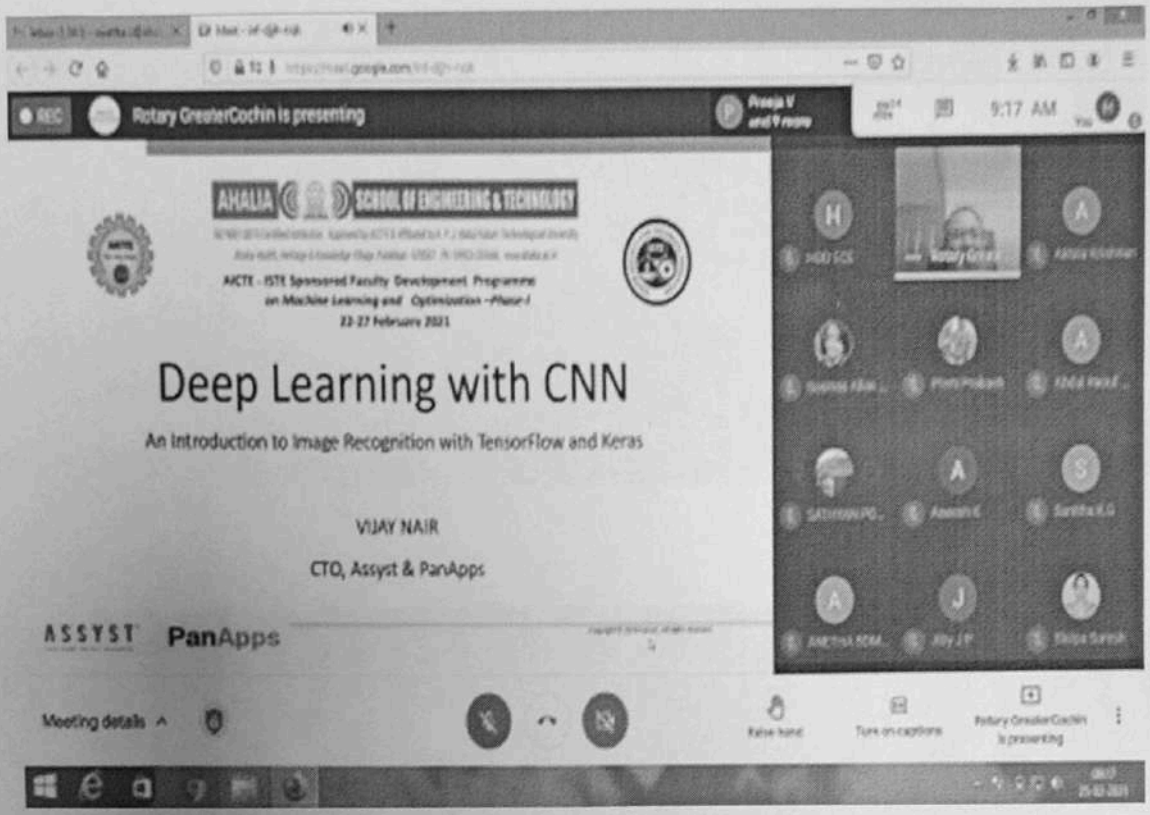
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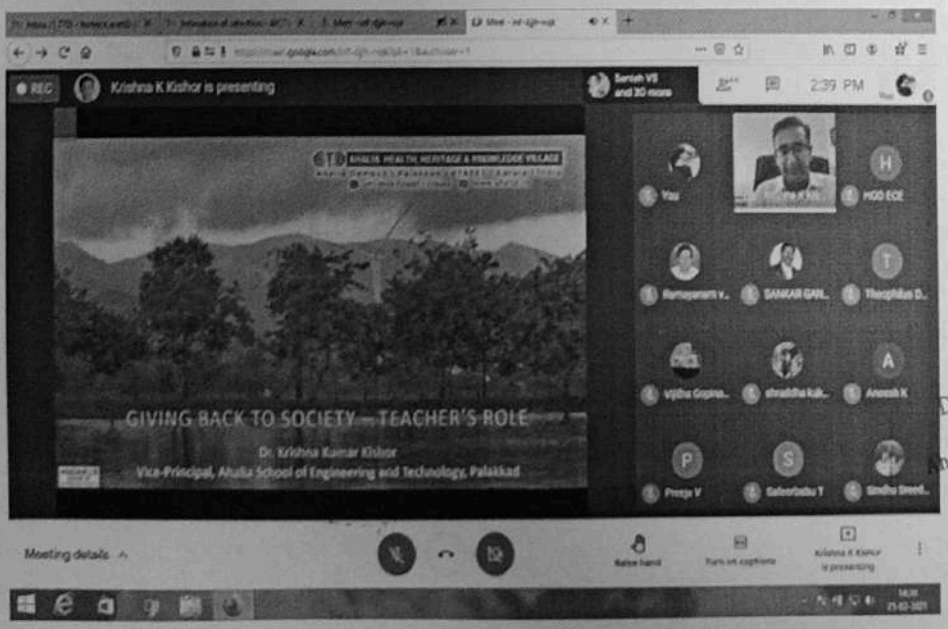




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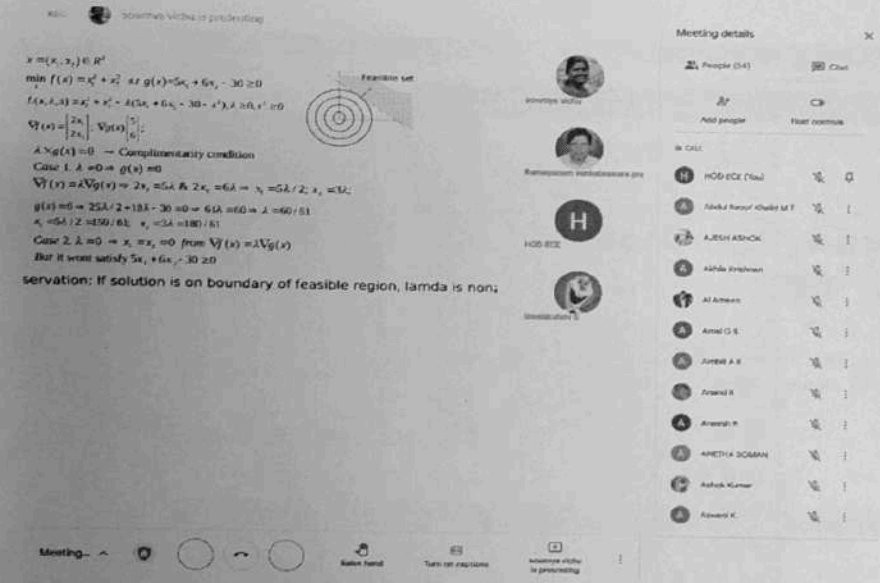
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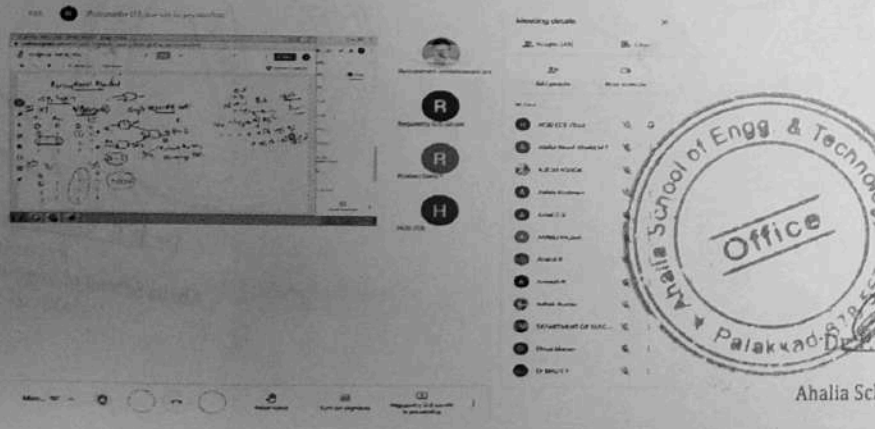




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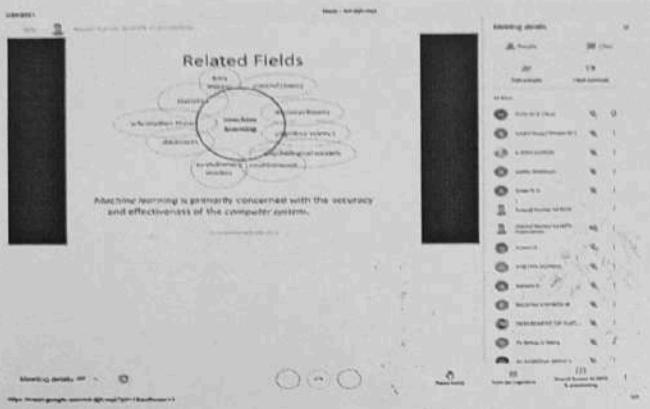



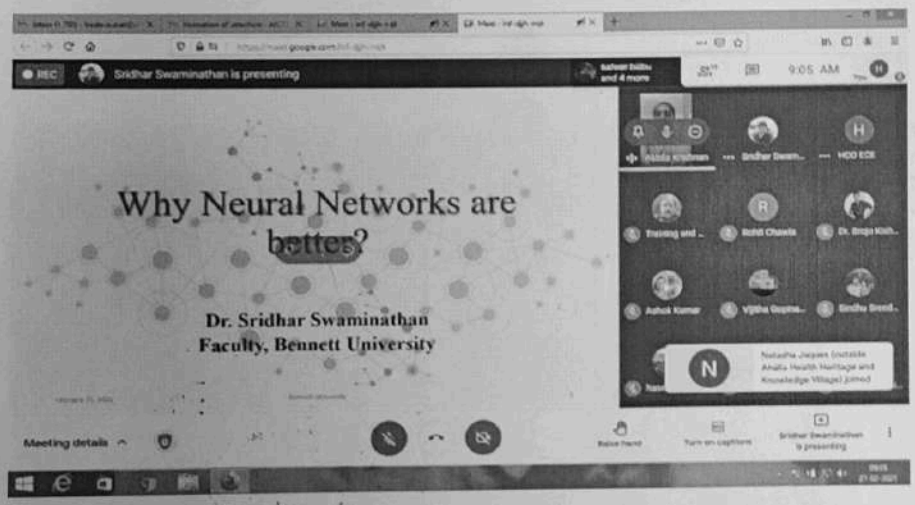

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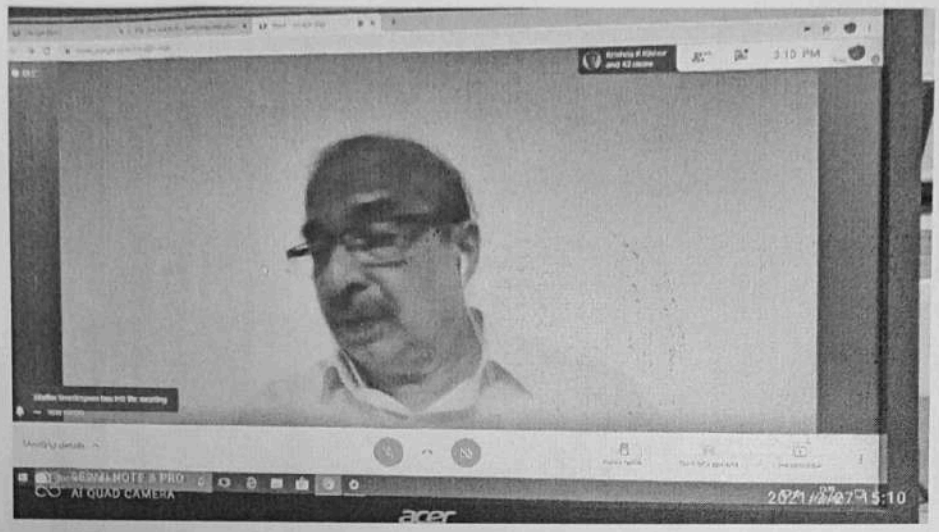


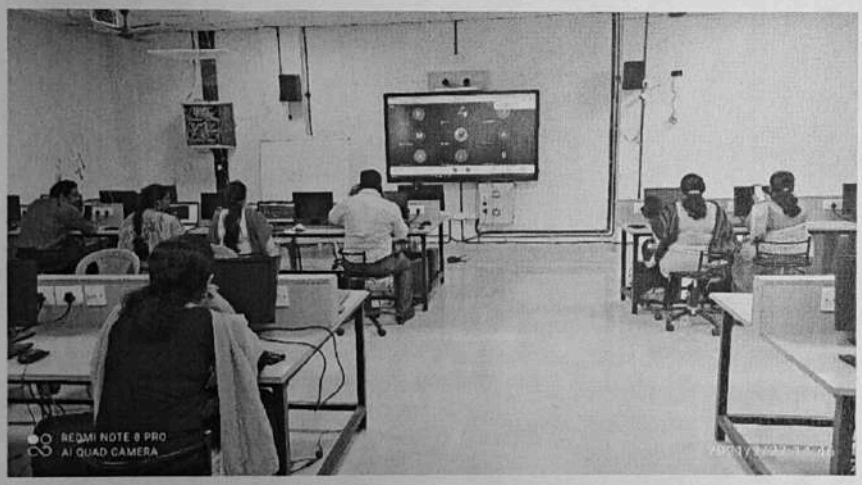






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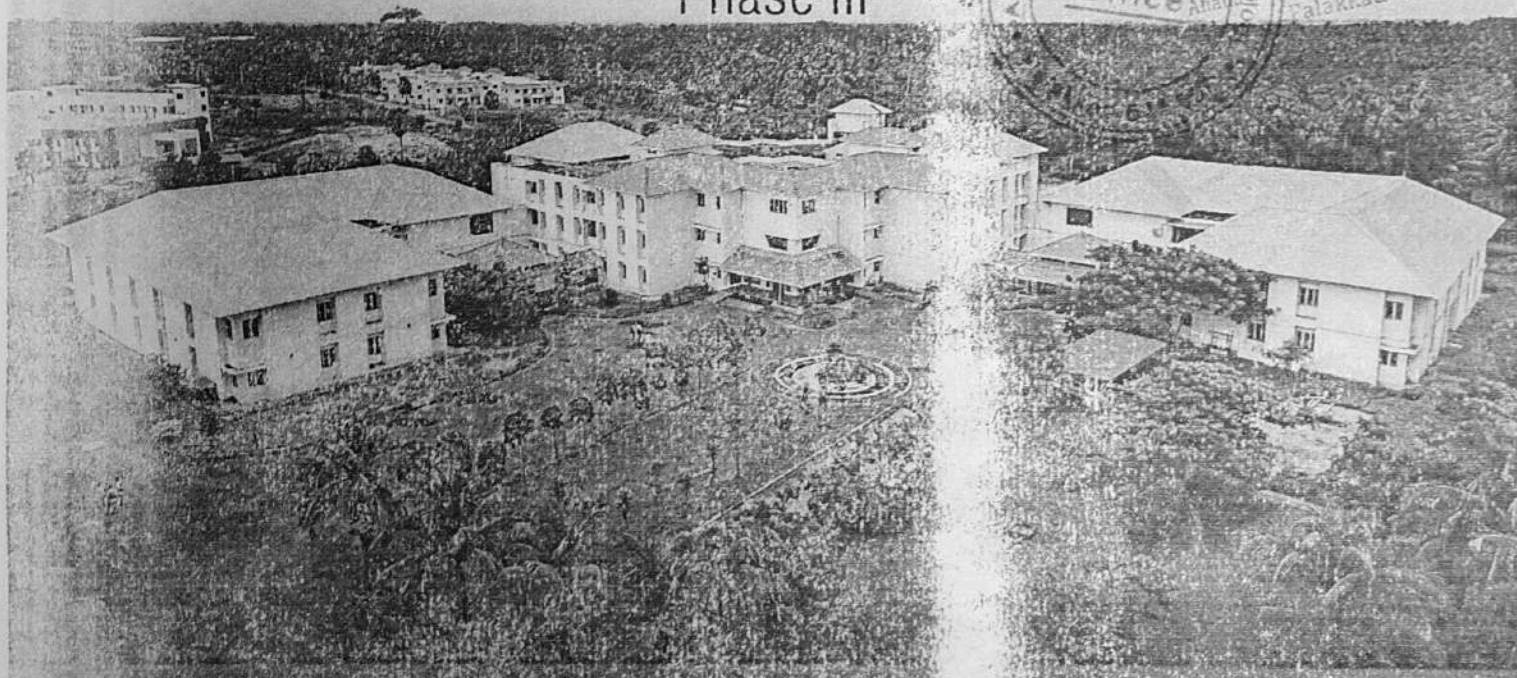
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# AICTE-ISTE Sponsored Six Day Faculty Development Programme On

# MACHINE LEARNING AND OPTIMIZATION

Phase III



Organised by

## Department of Electronics and Communication Engineering

**17th - 22nd May 2021**

Dr. Sreemahadevan Pillai
Principal
School of Engineering & Technology
Palakkad-678557
Office

## About the Programme

Machine learning is a branch of artificial intelligence (AI) f d on building applications that learn from data and improve their accuracy over time witho ng programmed to do so. As it is evident from the name, it gives the computer which makes it e similar to humans: the ability to learn. Machine learning is actively being used today, perhaps many more places than one would expect. We probably use a learning algorithm dozens of s without even knowing it. This programme is sponsored by AICTE and ISTE and it aims rovide better understanding of machine learning and optimization using the following syllab

**Day-1** Introduction to Machine Learning.
**Day-2** Concepts of Mathematics for Machine Learning
**Day-3** Neural Networks.
**Day-4** Cross validation and re-sampling methods.
**Day-5** Machine Learning application using Tensorflow.
**Day-6** Introduction & implementation to optimization t iques.

- E-Certificate will be given to the eligible participan
- Last Date of Registration 13-05-2021
- Intimation of Selection 14-05-2021
- Eligibility to participate:
  Faculty members & research scholars belonging to TE approved technical institutions and UGC approved Universities and Inc l persons

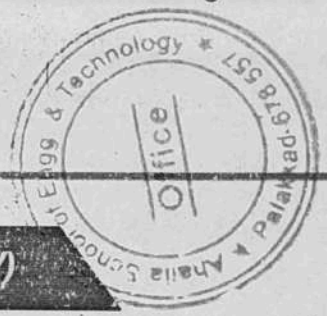
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Sreemahadevan Pillai
Principal
Engineering & Technology

| | | |
|---|---|---|
| Last date for Registration | : | 14 May 2021 |
| Registration Amount | : | NIL |
| Link | : | https://forms.gle/mkiK fMxvGbjr8 |
| WhatsApp Group | : | https://chat.whatsapp.c oOBOmvK2Q3Y4vfD7nZaX |
| Email ID For Contact | : | hodece.aset@ahalia.ac.in |
| Mode of Class | : | Google Meet and Google oom. Google Meet Id link will be circulated to the register mail and mobile number |

SCAN HERE

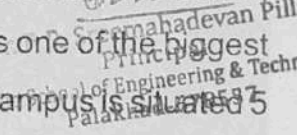
## Ahalia School of Engineering and Technology

Ahalia School of Engineering and Technology (ASET), provides world-class technical education and training in Engineering and Technology to students from diverse socio-economic background. The college, located in a lush green campus with a beautiful view of the Western Ghats, provides a peaceful and congenial atmosphere, which is ideal for students' holistic development. Ahalia School of Engineering and Technology offers five B.Tech. courses complemented by various co-curricular and extra-curricular activities. ASET, managed by Ahalia International Foundation, is approved by AICTE, New Delhi and is affiliated to APJ Abdul Kalam Technological University, Kerala




## Ahalia Health, Heritage and Knowledge Village (AHHKV)

Ahalia Health, Heritage & Knowledge Village is a project of Ahalia International Foundation, located in an exotic region of Palakkad at the foot of Western Ghats. AHHKV is one of the biggest campuses in the country, offers a perfect blend of nature and technology. The campus is situated 5 kms off the National Highway between Kanjikode and Walayar in Kerala. Coimbatore International Airport is at 1 hour drive (40 kms) and Palakkad (Palghat) Junction railway station is 20 kms away from the campus.




Ahalia Group consists of Ahalia School of Engineering & Technology , Ahalia Foundation Eye Hospital, Ahalia Ayurveda Medical College & Hospital, Ahalia Diabetes Hospital, Ahalia Women & Children's Hospital, Ahalia Medicine Manufacturing Unit (Ayurveda), Ahalia Children's Village, Ahalia Heritage Village, Ahalia School of Management, Ahalia School of Optometry, Ahalia School of Pharmacy, Ahalia School of Paramedical Sciences, Ahalia School of Commerce and Mathematics, Ahalia Public School, etc.

## About the ECE Department

Ahalia School of Engineering and Technology (ASET), provides world-class technical education and training in Engineering and Technology to students from diverse socio-economic background. The college, located in a lush green campus with a beautiful view of the Western Ghats, provides a peaceful and congenial atmosphere, which is ideal for stu[illegible] holistic development. Ahalia School of Engineering and Technology offers five B.Tech courses complemented by various co-curricular and extra-curricular activities. ASET, managed by Ahalia International Foundation, is approved by AICTE, New Delhi and is affiliated to APJ Abdul Kalam Technological University, Kerala

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**Dr. V. S. Gopal**
Chairman
Ahalia International Foundation

*Chairman*
**Dr. P. R. Sreemahadevan Pillai**
Principal, ASET & Director,
Ahalia Group of Academic Institutions

*Vice-Chairman*
**Dr. Krishna Kumar Kishor**
Vice Principal, ASET & Assistant Director,
Ahalia Group of Academic Institutions

## Organizing Committee

**Dr. V. Balamurugan**
Coordinator-FDP
Professor & Head, Department of ECE

**Mr. Abhijit V.**, AP-ECE

**Ms. Divya Mohan**, AP-ECE

**Ms. Vijitha Khan**, AP-ECE

**Mr. Aneesh K.**, AP-ECE

**Ms. Swetha C.**, AP-ECE

**Mr. Santhosh C.**, AP-ECE


Contact: 91-9444148[illegible]

hodece.aset@ahalia.ac.in

**Dr. V. Balamurugan**
Coordinator-FDP
Professor & Head, Department of ECE
Ahalia School of Engineering and Technology,

Ahalia Health, Heritage & Knowledge Village, Palakkad,
Kerala, India -PIN Code - 6[illegible]67

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## AICTE - ISTE SPONSORED FACULTY DEVELOPMENT PROGRAMME ON MACHINE LEARNING AND OPTIMIZATION –PHASE-III

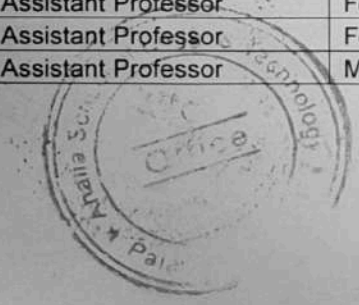
**17 - 22 MAY 2021**

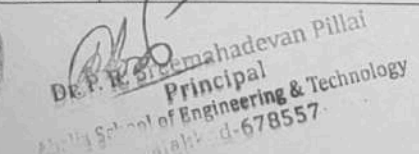
| Full Name | Designation | Gender | Department |
|---|---|---|---|
| ASWANI K | Assistant Professor | Female | ECE |
| J.Nandhini | Prof & Head | Female | ECE |
| Elias Janson k | Associate professor | Male | Ece |
| SASIKALA.S | Assistant professor | Female | Mathematics |
| DAWN SIVAN | ASSISTANT PROFESSOR | Male | ELECTRONICS AND COMMUNICATION ENGINEERING |
| Gurunathan V | Assistant Professor | Male | Electronics and Communication Engineering |
| prathibha varghese | Asst. Professor | Male | Ece |
| Saravanan Subramanian | Assistant Professor | Male | Electronics and Communication Engineering |
| SHAHAZIYA PARVEZ M | Asst. prof. | Female | ECE |
| Neelam Sanjeev Kumar | Assistant professor | Male | Biomedical engineering |
| D. C. Joy Winnie Wise | Professor | Female | Computer Science and Engineering |
| Anto bennet m | Professor | Male | Electronics and Communication Engineering |
| Sangeetha P S | Asst Professor | Female | Science and Humanities |
| Raichal G | Assistant Professor | Female | Electronics and Communication Engineering |
| Sreelekha | Assistant professor | Female | CSE |
| Mr. Sultanuddin SJ | Assistant professor | Male | MCA |
| Dr.KALAMANI C | AP(SS) | Female | ECE |
| Girish Agarwal | Asst professor | Male | MCA |
| Dr.D..C.Jullie Josephine | Professor | Female | Cse |
| M.Parameswari | Associate Professor | Female | Computer Science and Engineering |
| D. Sterlin Rani | Assistant Professor | Female | Computer Science and Engineering |
| P Namratha | Associate professor | Female | CSE |
| B Nagasindhuja | Assistant professor | Female | Cse |
| SHEELA LAVANYA J M | Assistant professor | Female | Computer science and engineering |
| AG. Noorul Julaiha | Assistant professor | Female | Computer science and engineering |
| GNANAPRAKASH V | ASSISTANT PROFESSOR | Male | ECE |
| MUNIMANDA PREMCHANDER | Associate Professor | Male | Computer Science and Engineering |
| Suhasini S | Assistant Professor | Female | Computer science and engineering |
| SUNITHA K G | Assistant professor | Female | Science and Humanities |
| LUBNA KAREEM | ASSISTANT PROFESSOR | Female | ECE |
| E.Poornima | Associate Professor | Female | CSE |
| SUVITHA P S | Assistant Professor | Female | ECE |
| Namboodiri Radhika Krishnan | Asst Professor | Female | Electronics and Communication |
| LOKESWARI.G | Assistant Professor | Female | Computer science and engineering |
| A.S.Narmadha | Assistant Professor | Female | ECE |

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| | | | |
|---|---|---|---|
| D. MENAKA | Associate Professor | Female | Electronics and Instrumentation Engineering |
| S Vijaya sri | Asst.prof | Female | CSE |
| Ashfaq Ahmed K | Research Scholar | Male | Computer Science |
| Preeja V | Assistant Professor | Female | Science and Humanities |
| R. SUNDAR | AP | Male | CSE |
| KRISHNANANDA L | Assistant Professor | Male | Electronics and Communication |
| Putta Kishore Kumar | Assistant professor | Male | Computer science and engineering |
| Prabha.R | Assistant Professor | Female | Science and Humanities |
| Akhila Krishnan | Assistant Professor | Female | ECE |
| FATHIMA SALIM | Assistant Professor | Female | ELECTRICAL AND ELECTRONICS ENGINI |
| Mudit Bhargava | Student | Male | Mechatronics |
| SARAN KUMAR A | AP | Male | CSE |
| Suman Kalyan Ghosh | Assistant Professor | Male | Applied Mathematics |
| Abdul Saleem | Assistant Professor | Male | Electronics and Communication Engineering |
| Pulkit Sharma | Mtech Scholar | Male | Ocean Engineering & Naval Architecture |
| RAYAVEL P | ASST PROF | Male | CSE |
| Abdelouahed ALLA HAMOU | PhD student | Male | Mathematics |
| Akul Rana | Assistant Professor | Male | Mathematics |
| Mohd Junaid | Student | Male | Mathematics |
| V R Vinothini | Assistant Professor | Female | Mathematics |
| Shristi Srivastava | Research scholar | Female | Mathematics |
| BINESH K | ASSISTANT PROFESSOR | Male | ELECTRONICS AND COMMUNICATION ENGINEERING |
| Ramana | researcher | Male | Mathematics |
| S.Maharasi | Assistant Professor | Female | Mathematics |
| Zubin J B | Assistant Professor | Male | Electrical and Electronics Engineering |
| NEJIYA A K | Assistant Professor | Female | Computer Science and Engineering |
| DILIP KUMAR GAYEN | Associate Professor | Male | Computer Science and Engineering |
| IYAPPAN M | Assistant Professor | Male | Statistics |
| ARABINDA KHATUA | Student | Male | Msc mathematics |
| Devi Devapal | Assistant Professor CSE | Female | Computer Science and Engineering |
| SOMU V | RESEARCH SCHOLAR | Male | MATHEMATICS |
| Mus'ab Auwalu Idris | M.sc | Male | Mathematical science |
| Jerin Joseph | Asst.Professor | Male | Mechanical Engineering |
| ARUN G.K. | Asst. Professor | Male | Computer science |
| Obeito Abdulmalik | Electrical Engineer | Male | Electrical/Electronics Engineering |
| Jobin Jose | Assistant Professor | Male | ECE |
| SREEVARSHA V | Assistant professor | Female | ECE |
| Deepa T | Assistant professor | Female | Electronics and communication engineering |
| S Priyanka | AP | Female | Cse |
| B.VINOTHINI | ASSISTANT PROFESSOR | Female | CSE |
| Sangavi N | Assistant professor | Male | Cse |
| Prof. Bijaya Kumar Gouda | Associate Professor | Male | Computer Science and Engineering |
| Keziah Neshlin A | Student | Female | commerce |
| NATHEERA BEEVI M | Associate Professor | Female | MASTER OF COMPUTER APPLICATION |
| ANNA ANBUMOZHI | RESEARCH SCHOLAR | Female | Computer Science and Engineering |
| Dr. Varsha Santosh Patil | Assistant Professor | Female | Computer |
| Ujwala Nilesh Ravale | Assistant Professor | Female | Computer engineering |
| Manish Goyal | Assistant Professor | Male | Statistics |





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|---|---|---|---|
| VINOTHRAJ V | Research Scholar | Male | Computer Science & Engineering |
| Yashashree Anil Bendale | Teaching Associate | Female | Computer science |
| Savita Jain | Guest Faculty | Female | Statistics |
| A.SHANTHINI | Associate Professor | Female | Information Technology |
| Chandra Prakash Yadav | Research Scholar | Male | Department of Statistics |
| D. Shamia | Associate Professor | Female | Electronics and Communication Engineering |
| SIDDHARTHA CHATTERJEE | Assistant Professor | Male | Computer Science and Engineering |
| Rakesh Prasad Badoni | Assistant Professor | Male | Computer Science and Engineering |
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| Vikas Jangra | Research scholar | Male | Statistics |
| Arathi Boyanapalli | Research Scholar | Female | Computer Science and Engineering |
| WILNY WILSON P | assistant professor | Female | computer science |
| MAUPARNA NANDAN | ASSOCIATE PROFESSOR | Female | COMPUTATIONAL SCIENCE |
| Ahona Ghosh | AICTE DOCTORAL FELLOW | Female | Computer science and engineering |
| Chiranjib Dutta | Assistant Professor | Male | Computer Applications |
| Salisu Murtala | Lecturer | Male | Mathematics |
| S.KANNADHASAN | ASSISTANT PROFESSOR | Male | ELECTRONICS AND COMMUNICATION ENGINEERING |
| L. Vigneswaran | Assistant Professor | Male | Mathematics |
| Bharti | Research scholar | Female | Mathematics |
| DEBADRITA PAL | FACULTY(COMPUTER) | Female | Computer Science & Technology |
| S. Kavitha | Research Scholar | Female | Mathematics |
| KARTHIK M | ASSISTANT PROFESSOR | Male | MATHEMATICS |
| Biji.S | Assistant Professor | Female | Civil Engineering |
| M.R. SUDHA | Assistant Professor | Female | Computer Applications |
| RAJESWARI S | Assistant professor | Female | Mathematics |
| R.LINGAPPAN | HOD & ASST. PROF | Male | INFORMATION SYSTEMS AND MANAGEM |
| Dr. P. KRISHNAVENI | Assistant Professor | Female | Mathematics |
| CHINCHU S | ASSISTANT PROFESSOR | Female | ELECTRONICS AND COMMUNICATION ENGINEERING |
| Sherin | Researcher | Male | Informatics |
| Priyanka Sanjay Kharche | Assistant professor | Female | Computer Science & Engineering |
| Jamshi K U | Assistant professor | Female | Electronics |
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| Traisik Ghosh | Senior Consultant | Male | Data Risk and Regulatory Compliance |
| R.Joseph Paul | Assistant Professor | Male | Mathematics |
| VIGNESH D | Assistant Professor | Male | Science & Humanities |
| NIRAJA J SHENOY | Assistant Professor | Female | ELECTRONICS AND COMMUNICATION ENGINEERING |
| KARUNYA R | Assistant professor | Female | Electronics and Communication Engineering |
| SATHYAN P | Senior Instructor | Male | Electronics and communication engineering |
| Sugumaran S | Associate Professor | Male | Electronics and Communication Engineering |
| Muhammed Anshad P. Y | Assistant Professor | Male | ECE |
| DR.S.ANU PALLAVI | Assistant professor | Female | ECE |
| DHANYA S | Assistant Professor | Female | Electronics and communication |
| AJAYAKUMAR A G | Assistant professor | Male | Mechanical engineering |
| SAVITHA T P | Assistant Professor | Female | ECE |

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| | | | |
|---|---|---|---|
| ANJANA N | Assistant Prof ECE | Female | Electronics and Communication Engineering |
| S. P . SASIREKHA | Assistant professor | Female | Computer science and Engineering |
| Sini K Thomas | Assistant professor | Female | Electronics and Communication Engineering |
| Aswathi V Nair | Assistant Professor | Female | ECE |
| Noble G | Assistant professor | Male | ECE |
| Dr.S.M.Ramesh | Professor | Male | ECE |
| MIDHUN S S | Assistant Professor | Male | Mechanical Engineering |
| C P Thamil Selvi | Associate Professor | Female | Computer Science and Engineering |
| SREEJITHA SG | Assistant Professor | Female | Electronics and Communication Engineering |
| SREEKUTTY S KUMAR | Assistant Professor | Female | ELECTRONICS AND COMMUNICATION ENGINEERING |
| Minilal.m | Assistant professor | Female | Ece |
| Remya V | Assistant Professor | Female | EEE |
| Anu K S | Assistant Professor | Female | Computer science and engineering |
| CHANDU C.B. | Assistant Professor | Male | Electronics and Communication Engineering |
| Krishnaprasath VT | Asst.professor | Male | CSE |
| Shivank Kumar Soni | Assistant professor | Male | Computer science and engineering |
| SANJAY KUMAR PAL | Asst.prof. | Male | Computer Science and Engineering |
| P.D.Rathika | Assistant Professor | Female | Robotics and Automation Engineering |
| Sarika Khatarkar | Assistant professor | Female | Information Technology |
| Harita Bhargava | Assistant Professor | Female | Computer science and Engineering |
| Pratik Buchke | Associate Professor | Male | Information Technology |
| Meenakshi Patel | AP | Female | CSE |
| AKANKSHA MESHRAM | Astt Professor | Female | IT |
| K. BAGYALAKSHMI | Assistant Professor | Female | Electrical and Electronics Engineering |
| Lenish Pramiee | Asst professor | Female | Cse |
| SUPARNA K | Assistant Professor | Female | Computer Science and Engineering |
| Arvind R | Assistant professor | Male | Computer science and engineering |
| Smruthi Nair | Assistant Professor | Female | CSE |
| Aparna N | Assistant professor | Female | Computer Science and Engineering |
| NEETHU RAJ R | Assistant Professor | Female | Electronics and Communication Engineering |
| ASHILLY N. | Assistant Professor | Female | Electronics and Communication Engineering |
| Monu Singh | Assistant Professor | Female | Computer science and engineering |
| S. VENI | Associate Professor | Female | ECE |
| Bindeshwar Singh | Asst. Prof | Male | Electrical Engineering |

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# Report on AICTE -ISTE Sponsored 6-day online Faculty Development Programme on Machine Learning and Optimization –Phase III

17-22, May 2021

The Department of Electronics and Communication Engineering, Ahalia School of Engineering and Technology organized AICTE -ISTE Sponsored 6-day online Faculty Development Programme on Machine Learning and Optimization –Phase –III during , 17-22 May 2021. The programme was inaugurated on 17 May 2021 chief guest Col. B. Venkat, Director, Faculty Development Cell, AICTE, New Delhi. The Chief guest gave a valuable insight to Faculty development programs (FDPs) He enlightened the Faculty development programs (FDPs) have proven to be successful for improving teaching skills in higher education. He stressed that FDPs produce promising outcomes in the learning and teaching practices and recommended that teachers in higher education should attend FDP training activities on regular basis. It has been long believed that the most important resource that any institution of higher education□on has is its faculty members who teach knowledge and skills to student. enlighted

Dr.V Balamurugan had welcomed the gathering and briefed about the FDP and its importance. He described various outcome of the program.. The FDP objective was to address modern trends in the field of Artificial Intelligence with real-time problem-solving. To motivate faculty members from engineering domains like electronics etc. to adopt latest technologies like Machine Learning and Optimization techniques.

Dr. P.R Sreemahadevan Pillai , Principal , Ahalia School of Engineering and Technology and Director, Ahalia group of Academic Institutions, presided over the function. . He talked Participation in such program would enable faculty members to update their research and latest skills about latest technologies . The knowledge the faculty member gets during faculty development program will motivate them to teach the student in a more innovative way this will increase your skills. Dr. Krishna Kumar



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Principal
Ahalia School of Engineering & Technology
Palakkad-678557

Kishor , Vice- Principal, Ahalia School of Engineering and Technology and Assistant Director, Ahalia Group of Academic Institutions, felicitated the gathering . He highlighted that in the recent past, many new technologies have been introduced in the education system to adopt new technologies like machine learning and optimization techniques . Faculty members need to be prepared enough by some sort of a faculty development program (FDP) in order to deal with the rapid changes. He urged the participants to actively involve in the sessions and disseminate the knowledge to the students. Mrs. Vijatha Khan, AP/ECE , proposed the vote of thanks.

There was a total of 18 sessions. Each session was handled by experts from reputed academic institutions and industries. Various topics of machine learning and optimizations were presented along with hands on training A total of 163 participants from across the country registered and 67 participants were actively participated in the programme. The FDP was concluded with valedictory function on 22 May 2021. The chief Guest for Valedictory function was Prof. Dr.Vijay .Vaidya Executive Secretary – ISTE New Delhi. He mentioned that, the importance of machine learning in different fields. He pointed out the necessity of upgradation of knowledge to newer technologies like AI and MI, Automation and Roboatics.

The session was concluded with the vote of thanks by Dr. V.Balamurugan , FDP Coordinator. He highlighted the immense contribution of the Organizing Committee members and experts. He mentioned special thanks to .. Dr. P.R Sreemahadevan Pillai , Principal , Ahalia School of Engineering and Technology and Director, Ahalia group of Academic Institutions and Dr. Krishna Kumar Kishor , Vice- Principal and Assistant Director, Ahalia Group of Academic Institutions, He also showed his gratitude towards the Ahalia Management and Advosiry Committee members for facilitating the event. He heartily thanked all the speakers who spared their valuable time. He also thanked all the participants who made this event a grand success by participating wholeheartedly.

**Outcome of the FDP:**

All the sessions were very informative. The discussed areas are of great benefit to the

Dr. P.R Sreemahadevan Pillai
Principal
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participants as the topics with the latest trends. Participants were educated on the most widely used advance strategies in Machine Learning areas like Deep learning algorithms, SVM, CNN etc. The participants gained knowledge about Machine Learning and optimization techniques. This FDP was immensely useful for the beginner level and middle level research scholars. The research scholars can get technical inputs for their research work from the Resource Persons. This in turn will help in motivating participants and accentuate the placement opportunities of students.

The programme was designed to be generic in nature for satisfying the needs of academic institutions and industry personnel field of machine learning and optimization.

163 participants registered and 67 eligible participants were distributed with the participant certificates on successful completion of assessment.

The following **Feedback** was received from the participants:

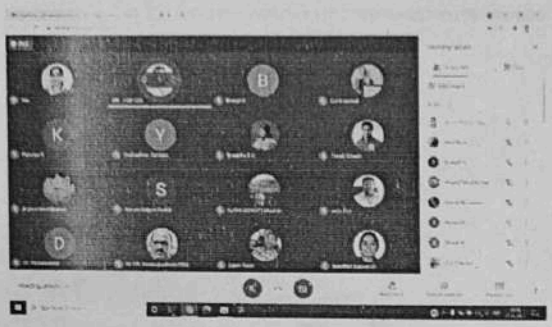
- 80.4% of the participants felt that the delivery and presentation of the resource persons were excellent and 17 % of the participants wrote as very good.

- 78.6% of the participants opined that the FDP was coordinated as excellent 19.6% of the participants wrote as very good.

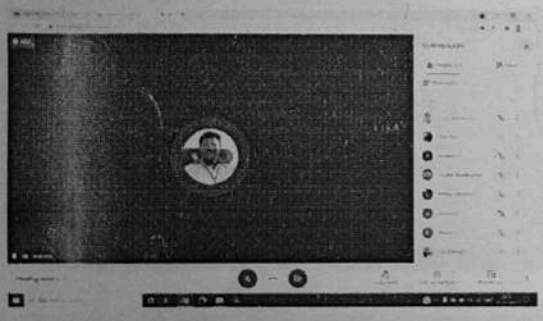
- Participants endorsed the fact that such FDPs should be arranged regularly.

Dr. P. R. Sreemahadevan Pillai
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Inaugural and Session Screenshots

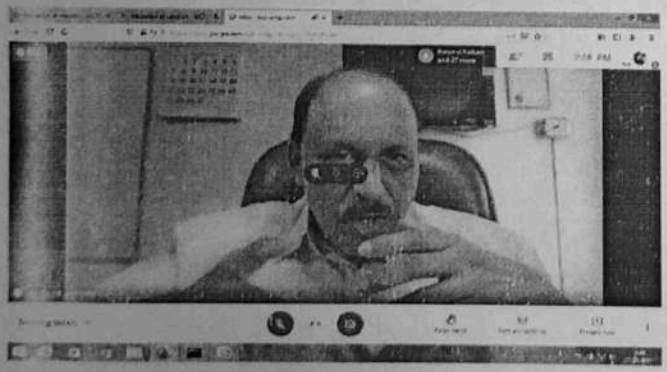






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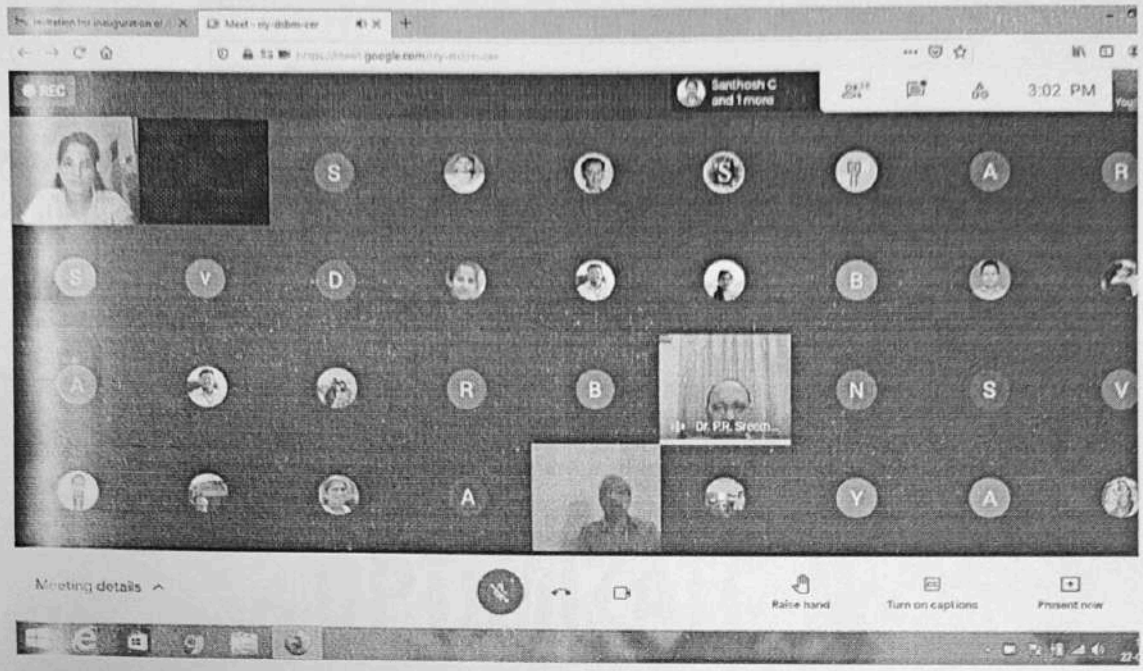


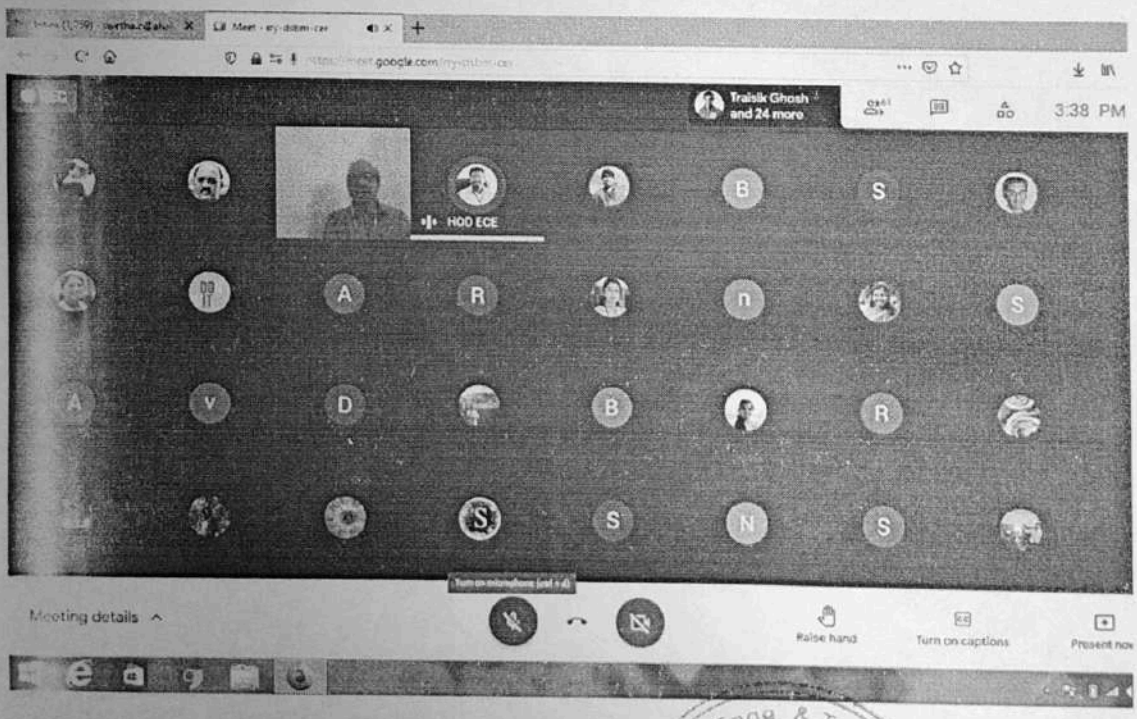


Valedictory Session Screenshots

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Principal
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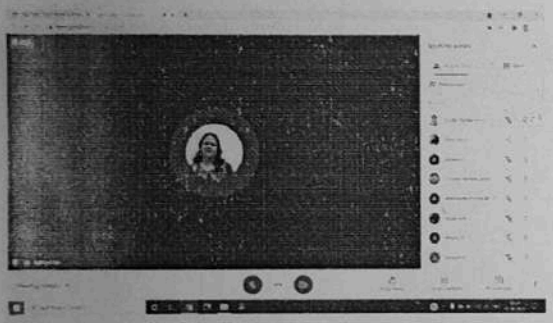


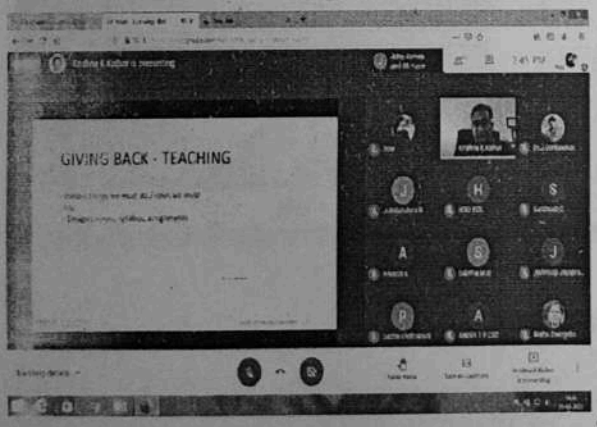




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# AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY

Approved by AICTE & Affilated to A. P. J. Abdul Kalam Technological University
Ahalia Health, Heritage & Knowledge Village, Palakkad - 678557 Ph: 04923-226666 www.ahalia.ac.in

## AICTE-ISTE Sponsored Six Day Faculty Development Programme On

# MACHINE LEARNING AND OPTIMIZATION

Phase II



Organised by

## Department of Electronics and Communication Engineering

## 22nd - 27th March 2021

## About the Programme

Machine learning is a branch of artificial intelligence (AI) focused on building applications that learn from data and improve their accuracy over time without being programmed to do so. As it is evident from the name, it gives the computer which makes it more similar to humans: the ability to learn. Machine learning is actively being used today, perhaps in many more places than one would expect. We probably use a learning algorithm dozens of times without even knowing it. This programme is sponsored by AICTE and ISTE and it aims to provide better understanding of machine learning and optimization using the following syllabus.

**Day-1** Introduction to Machine Learning
**Day-2** Machine Learning - end - to - end process
**Day-3** Neural Networks
**Day-4** Cross validation and re-sampling methods
**Day-5** Machine Learning application using Tensorflow
**Day-6** Introduction & implementation to optimization techniques

- E-Certificate will be given to the eligible participants
- Last Date of Registration 19-03-2021
- Intimation of Selection 20-03-2021
- Eligibility to participate:
  Faculty members & research scholars belonging to AICTE approved technical institutions and UGC approved Universities and Industrial persons

Ahalia School of Engineering & Technology Office Palakkad: 678 557

Dr. P. R. Sreemahadevan Pillai
Principal
Ahalia School of Engineering & Technology
Palakkad 678557

| | | |
|---|---|---|
| Last date for Registration | : | 19 March 2021 |
| Registration Amount | : | NIL |
| Link | : | https://forms.gle/TBNoEQs9V8aJEcG38 |
| WhatsApp Group | : | https://chat.whatsapp.com/CXc0iZxWCtq20ORKWj0nxp |
| Email ID For Contact | : | hodece.aset@ahalia.ac.in |
| Mode of Class | : | Google Meet and Google Classroom. Google Meet Id link will be circulated to the registered email and mobile number |

SCAN HERE

## Ahalia School of Engineering and Technology

Ahalia School of Engineering and Technology (ASET), provides world-class technical education and training in Engineering and Technology to students from diverse socio-economic background. The college, located in a lush green campus with a beautiful view of the Western Ghats, provides a peaceful and congenial atmosphere, which is ideal for students' holistic development. Ahalia School of Engineering and Technology offers five B.Tech. courses complemented by various co-curricular and extra-curricular activities. ASET, managed by Ahalia International Foundation, is approved by AICTE, New Delhi and is affiliated to APJ Abdul Kalam Technological University, Kerala

## *Ahalia Health, Heritage and Knowledge Village (AHHKV)*

Ahalia Health, Heritage & Knowledge Village is a project of Ahalia International Foundation, located in an exotic region of Palakkad at the foot of Western Ghats. AHHKV is one of the biggest campuses in the country, offers a perfect blend of nature and technology. The campus is situated 5 kms off the National Highway between Kanjikode and Walayar in Kerala. Coimbatore International Airport is at 1 hour drive (40 kms) and Palakkad (Palghat) Junction railway station is 20 kms away from the campus.

Dr. P. R. Sreemahadevan Pillai
Principal
School of Engineering & Technology

Ahalia Group consists of Ahalia School of Engineering & Technology , Ahalia Foundation Eye Hospital, Ahalia Ayurveda Medical College & Hospital, Ahalia Diabetes Hospital, Ahalia Women & Children's Hospital, Ahalia Medicine Manufacturing Unit (Ayurveda), Ahalia Children's Village, Ahalia Heritage Village, Ahalia School of Management, Ahalia School of Optometry, Ahalia School of Pharmacy, Ahalia School of Paramedical Sciences, Ahalia School of Commerce and Mathematics, Ahalia Public School, etc.

## About the ECE Department

Ahalia School of Engineering and Technology (ASET), provides world-class technical education and training in Engineering and Technology to students from diverse socio-economic background. The college, located in a lush green campus with a beautiful view of the Western Ghats, provides a peaceful and congenial atmosphere, which is ideal for students' holistic development. Ahalia School of Engineering and Technology offers five B.Tech. courses complemented by various co-curricular and extra-curricular activities. ASET, managed by Ahalia International Foundation, is approved by AICTE, New Delhi and is affiliated to APJ Abdul Kalam Technological University, Kerala

## Advisory Committee

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**Dr. V. S. Gopal**
Chairman
Ahalia International Foundation

*Chairman*
**Dr. P. R. Sreemahadevan Pillai**
Principal, ASET & Director,
Ahalia Group of Academic Institutions

*Vice-Chairman*
**Dr. Krishna Kumar Kishor**
Vice Principal, ASET & Assistant Director,
Ahalia Group of Academic Institutions

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**Dr. V. Balamurugan**
Coordinator-FDP
Professor & Head, Department of ECE

**Mr. Abhijit V.**, AP-ECE

**Ms. Divya Mohan**, AP-ECE

**Ms. Vijitha Khan**, AP-ECE

**Mr. Aneesh K.**, AP-ECE

**Ms. Swetha C.**, AP-ECE

**Mr. Santhosh C.**, AP-ECE


Contact: 91-9444148769

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**Dr. V. Balamurugan**
Coordinator-FDP
Professor & Head, Department of ECE
Ahalia School of Engineering and Technology,

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Kerala, India -PIN Code - 678 557

| Timestamp | Email Address | Salutation | Full Name as it would app | Designation | Gender | Department | Full Name of the Institutio | ISTE Member | ISTE Membership Numbe | Whatsapp Number | https://chat.whatsapp.com/CXc0ZzWCiq20ORKWj0nxp |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/28/2021 8:03:46 | aswani.k@meaec.edu.in | Mrs. | Aswani k | Assistant Professor | Female | ECE | Mea engineering college | No | | 9645075887 | Yes |
| 2/28/2021 8:04:20 | j.adelinesneha@gmail.co | Mrs. | Adeline Sneha | Research Assistant, UTM | Female | Electrical and Electronics | Universiti Tecknologi of M | No | | +919946439943 | |
| 2/28/2021 8:08:09 | binuvp@gmail.com | Dr. | Binu V P | associate professor | Male | computer engineering | model engineering college | Yes | LM39144 | 9847390780 | |
| 2/28/2021 8:08:22 | shraddhakukade11@gma | Prof. | Shraddha Sunilrao Kukad | Assistant Professor | Female | Electronics and Telecomm | Dr. Rajendra Gode Institu | No | | 7840970063 | |
| 2/28/2021 8:22:45 | natasha.jaques@gmail.co | Mrs. | Natasha D'Souza e Jaque | Assistant Professor | Female | Science and Humanities | Don Bosco College of En | Yes | LM 118129 | 9690952780 | Yes |
| 2/28/2021 8:23:27 | anasmm@geowyd.ac.in | Prof. | Anas M M | Assistant Professor | Male | Ece | Government engineering | No | | 7561017476 | |
| 2/28/2021 8:36:32 | bindusmony@gmail.com | Dr. | Dr. Bindu S Mony | Assistant Professor | Female | MCA | College of Engineering Vz | Yes | LM 6362 | 9446334621 | |
| 2/28/2021 8:53:32 | nisheenasaigil@gmail.co | Dr. | Dr. Nisheena v Iqbal | Associate professor | Female | ECE | MES college of engineerir | Yes | | 9744388377 | Yes |
| 2/28/2021 9:13:26 | jobinjose@gecwyd.ac.in | Mr. | Jobin Jose | Assistant Professor | Male | ECE | Govt. College of Engineer | No | | 9567423938 | |
| 2/28/2021 9:26:40 | nasckalaivani@nehrucolk | Dr. | A. Kalaivani | Assistant Professor | Female | Computer Applications | Nehru Arts and Science C | No | | 9524531741 | |
| 2/28/2021 9:53:56 | aswinstat@gmail.com | Mr. | ASWIN SIVADAS | Post Graduate | Male | Spatial Data Science | Indian Institute Of Remote | No | | 8547380776 | |
| 2/28/2021 10:07:29 | amalgs@tkmce.ac.in | Mr. | AMAL G S | ASSISTANT PROFESSO | Male | CHEMICAL ENGINEERIN | TKM COLLEGE OF ENGI | No | NA | 9446971740 | Yes |
| 2/28/2021 11:09:02 | rc.j2ee@gmail.com | Mr. | Rohit Chawla | Assistant professor | Male | Computer Science | Apeejay college of Fine ai | No | NA | 9540181133 | Ok |
| 2/28/2021 11:31:12 | sangeetha.ps@ahalia.ac. | Mrs. | Sangeetha P S | Asst Professor | Female | Science and Humanities | Ahalia school of Engineer | Yes | LM125964 | 9400602485 | |
| 2/28/2021 12:08:31 | vignesh.d@ahalia.ac.in | Mr. | VIGNESH D | Assistant Professor | Male | Science and Humanities | Ahalia School of Engineer | Yes | | 8610064129 | |
| 2/28/2021 12:41:43 | ameen98099@gmail.com | Prof. | Al Ameen A | Assistant Prof | Male | Chemical Engineering | TKM College of Engineeri | No | Nil | 9809979057 | |
| 2/28/2021 13:09:41 | k.m.pimple1999@gmail.c | Prof. | Kanchan Madhukarrao Pi | Assistant Professor | Female | Electronics and Telecomm | Dr.Rajendra Gode Institut | Yes | LM98418 | 8999466992 | |
| 2/28/2021 17:51:37 | salija.p90@gmail.com | Dr. | SALIJA P | Assistant Professor (Adhc | Female | ECE | GEC Wayanad | No | | 9995677800 | |
| 2/28/2021 22:29:20 | swatitawalare18@gmail.c | Prof. | Swati C.Tawalare | Assistant Professor | Female | Computer Science and En | DRGIT&R | Yes | | 9730196693 | |
| 3/1/2021 10:15:29 | menakaberita@gmail.com | Dr. | D. MENAKA | Associate Professor | Female | Electronics and Instrumer | Noorul Islam Centre for H | No | | 9787002920 | Yes |
| 3/2/2021 10:53:44 | rashida@mec.ac.in | Mrs. | Rashida k | Assistant professor | Female | Electronics | Model engineering college | No | | 9947372516 | |
| 3/2/2021 11:33:04 | sapna.d.khatter@gmail.c | Ms. | Ms Sapna D Khatter | Student(M.E.)/Lecturer | Female | Computer | V. V. P Engineering Colle | No | | 9924166905 | |
| 3/3/2021 8:59:53 | gnanaprakash@bitsathy.t | Mr. | GNANAPRAKASH V | ASSISTANT PROFESSO | Male | ECE | BANNARI AMMAN INSTI | Yes | LM116698 | 6369169886 | |
| 3/3/2021 12:46:38 | pushparam123@gmail.co | Prof. | Pushpavalthi Ramasamy | AP | Female | ECE | Excel Engineering College | Yes | | 9994140504 | S |
| 3/3/2021 12:47:57 | dhanesh.s@ahalia.ac.in | Mr. | Dhanesh S | Assistant Professor | Male | Mechanical | AHALIA SCHOOL OF EN | Yes | | 9447761090 | |
| 3/3/2021 13:15:40 | saneevs@gmail.com | Mr. | SANISH V S | Assistant professor | Male | Electronics and communi | Jawaharlal College Of En | Yes | | 9539312142 | |
| 3/3/2021 13:16:39 | albins.ec@adishankara.a | Mr. | Albins Paul | Asst. Professor | Male | Electronics and Communi | Adi Shankara Institute of I | No | | 9495129696 | |
| 3/3/2021 13:23:44 | anishtp@spoet.ac.in | Mr. | ANISH. T. P | Assistant Professor | Male | Computer Science and En | St. Peter's College of Eng | Yes | | 9940134506 | Yes |
| 3/3/2021 13:55:34 | sumibabu88@gmail.com | Mrs. | SUMI BABU | Assistant Professor | Female | Electronics and Communi | Ilahia college of engineeri | No | | 9947773357 | Ok |
| 3/3/2021 14:51:48 | veeramanju.kalyan@gma | Dr. | K T Veeramanju | Professor | Male | Electrical and Electronics | Sri jayachamarajendra co | Yes | | 9980560925 | Ok |
| 3/3/2021 14:55:26 | kpp.cse@rmd.ac.in | Mrs. | PADMAPRIYA K | Assistant Professor | Female | CSE | R.M.D Engineering Colle | No | No | 9094139425 | Yes |
| 3/3/2021 15:09:33 | maillovpb@gmail.com | Mr. | BASHEER V P | RESEARCH SCHOLAR | Male | ECE | VTU BELAGAVI | Yes | | 9744892351 | JOINED |
| 3/3/2021 15:45:06 | resmikarun1990@gmail.c | Ms. | RESMI KARUN | Assistant professor | Female | Electronics and communi | M Dasan Institute of Tech | No | | 8547997450 | Yes |
| 3/3/2021 16:03:10 | godharkrishnan@gmail.co | Dr. | G Harikrishnan | Principal | Male | Electronics and Communi | Holy Grace Academy Of E | No | | 9495077810 | |
| 3/3/2021 16:11:24 | priyanlr@gmail.com | Mrs. | Priya M. | Assistant Professor | Female | ECE | College of Engineering Ki | No | | 9447797841 | Joined |
| 3/3/2021 16:11:42 | jamesjoby@gmail.com | Mr. | Joby James | Assistant Professor | Male | Electronics and Communi | College of Engineering Ki | No | | 9446929210 | |
| 3/3/2021 16:30:11 | per.cse@rmd.ac.in | Dr. | P.Shobha Rani | Associate Professor | Female | CSE | R.M.D.Engineering Colle | Yes | 991132 | 9176007331 | |
| 3/3/2021 16:41:54 | rjothilakshmi@gmail.com | Dr. | Dr.R.Jothilakshmi | Associate professor | Female | Information Technology | R.M.D Engineering Colle | Yes | LM 27195 | 8973559546 | |
| 3/3/2021 18:16:03 | manjumathukutty@gmail. | Mrs. | Manju Rani Mathew | AP | Female | ECE | Ilahia College of Engineer | Yes | | 9447877466 | |
| 3/3/2021 19:09:47 | bushra@sngcet.org | Prof. | Bushra Abdulla NT | Assistant Professor | Female | Electronics and Communi | SNGCET, Payyannur | No | | 9496420605 | |
| 3/3/2021 21:26:07 | neethu.ncerc1234@gmail | Mrs. | NEETHU M | Assistant professor | Female | Mechatronics | Nehru College of enginee | No | | 9497352601 | |
| 3/3/2021 22:10:18 | natheerabeevim@gmail.c | Prof. | NATHEERA BEEVI M | ASSOCIATE PROFESSO | Female | DEPARTMENT OF COMF | TKM COLLEGE OF ENGI | Yes | LM 111273 | 9037825350 | OK |
| 3/4/2021 7:46:42 | mercyprabhu06@gmail.co | Dr. | D.Mercy | HOD | Female | EEE | St Joseph's College of En | Yes | | 9842270067 | |
| 3/4/2021 8:38:12 | sudheerawcn@gmail.com | Mr. | Vidavaluru Sudheer | Associate professor | Male | Electronics and communi | Sree Venkateswara Colle | No | | 9849715468 | Yes |
| 3/4/2021 10:09:39 | gnraoaitam@gmail.com | Prof. | Dr. Gali Nageswara rao | Professor | Male | Information Technology | Aditya Institute of Technol | Yes | LM55941 | 9440758550 | Yes |
| 3/4/2021 10:56:56 | gprajesh84@gmail.com | Mr. | G.P. Rajesh | Assistant Professor | Male | Electrical and Electronics | PET Engineering College | No | | 9994994978 | |
| 3/4/2021 12:14:51 | mangaiprabhu@gmail.co | Dr. | Mangaiarkarasi S | Professor | Female | Computer Science and En | St.Joseph's College of en | Yes | LM91277 | 9943468184 | Ok |
| 3/4/2021 12:21:12 | suganyapoemaiyah@gma | Mrs. | P. Suganya | Assistant professor | Female | CSE | St. Joseph's college of en | No | | 7558198842 | Sure sir |
| 3/4/2021 13:59:35 | vitthal.nawale@gmail.com | Mr. | Vitthal Motiram Nawale | Asst professor | Male | Mechanical | PLITMS Buldana | No | | 9096864260 | |
| 3/4/2021 14:22:15 | rlatha.me@gmail.com | Ms. | LATHA R | ASSISTANT PROFESSO | Female | EEE | ST. JOSEPH COLLEGE ( | No | | 8883481207 | YES |
| 3/4/2021 17:51:11 | jagadish4u.g@gmail.com | Mr. | JagadeeswaraRao G | Assistant professor | Male | Information Technology | Aditya Institute of Technol | Yes | LM103622 | 8008884480 | |
| 3/4/2021 18:12:54 | thineshkumar@msec.org. | Mr. | THINESH KUMAR T | Assistant Professor | Male | Computer Science and En | Mohamed Sathak Engine | Yes | | 9500947789 | |
| 3/4/2021 18:21:06 | mohammadbilal@msec.o | Mr. | Mohammad Bilal J | Assistant Professor | Male | Computer Science and En | Mohamed Sathak Engine | No | | 9940915882 | Ok |
| 3/4/2021 18:47:25 | sheikres@gmail.com | Dr. | T.SHEIK YOUSUF | Professor | Male | Computer science and en | Mohamed Sathak Engine | Yes | | 9944280660 | Ok |
| 3/4/2021 18:58:00 | ramamoorthis@gmail.con | Mr. | Ramamoorthi S | Assistant professor | Male | Computer Science and En | Mohamed Sathak Engine | Yes | | 9566788230 | |
| 3/4/2021 19:46:28 | faizaldwyc@gmail.com | Mr. | Faizal Mukthar Hussain S | Assistant Professor | Male | Computer Science and En | Mohamed Sathak Engine | Yes | | 9790994246 | |
| 3/4/2021 20:33:26 | paulmathew@iiet.org.in | Mr. | Paul Mathew | Assistant professor | Male | Electrical and Electronics | Indira Gandhi Institute of I | No | | 9995120446 | Yes |
| 3/4/2021 21:46:23 | aruna_arathi@cev.ac.in | Mrs. | ARUNA A S | Assistant Professor | Female | Computer Science and En | College of Engineering Vz | Yes | LM116336 | 9495092260 | k |
| 3/5/2021 7:41:25 | santhasheela1@gmail.co | Ms. | R.SHANTHA SHEELA | Assistant Professor | Female | Electronics and communi | St.Joseph's College of en | No | | 9790426763 | |
| 3/5/2021 16:20:58 | m.benittamary@gmail.cor | Mrs. | BENITTA MARY M | Assistant Professor | Female | EEE | St.Joseph's College of En | Yes | LM 121547 | 9443846378 | |
| 3/5/2021 16:58:37 | evangelinnisha87@gmail. | Mrs. | L.Nisha Evangelin | Assistant professor | Female | CSE | NARAYANAGURU COLLI | No | | 9486061648 | Ok |
| 3/5/2021 17:22:55 | avmithrankavin@gmail.co | Mr. | A.Vengadesan | AP | Male | EEE | St.Joseph's College of En | No | | 9865649402 | Ok |
| 3/5/2021 22:00:06 | sudhavenkat009@gmail.c | Mrs. | S. SUDHA | Assistant Professor | Female | ECE | ST. JOSEPH'S COLLEGE | No | | 8610215627 | |
| 3/6/2021 1:50:13 | mrksnsai98@gmail.com | Mr. | Medicharla Rama Krishna | M.Tech Research Scholar | Male | ECE-Signal Processing | NIT Calicut | No | | 7661941641 | |
| 3/6/2021 11:48:29 | nobleg@ilsat.ac.in | Mr. | Noble G | Assistant professor | Male | ECE | Federal Institute of Scienc | No | | 9497285064 | |
| 3/6/2021 14:28:16 | gladwin@gecidukki.ac.in | Prof. | Gladwin jos k t | Assistant professor | Male | Electronics and communi | Government Engineering | No | | 8547045820 | |
| 3/7/2021 16:37:53 | sathyanpottarekal@gmail | Mr. | SATHYAN P | Senior Instructor | Male | ECE | Ahalia School of Engineer | No | | 9447277572 | |
| 3/7/2021 23:07:55 | lakshmisigaram19@gmail | Mrs. | GOWRI A | Assistant Professor | Female | Information Technology | HINDUSTHAN COLLEGE | No | | 9486223212 | |
| 3/7/2021 23:41:27 | surjithsathyadevan@gma | Mr. | SURJITH S | Assistant Professor | Male | Electronics and Communi | College of Engineering Pa | No | | 9745108232 | Yes |
| 3/8/2021 17:32:32 | 74siva@gmail.com | Mr. | D Sivakumar | Associate Professor | Male | ECE | Kuppam Engineering Coll | No | | 9705505966 | |
| 3/8/2021 17:50:22 | raman.acfa@yahoo.co.in | Mrs. | RAMANDEEP KAUR | Assistant Professor | Female | Computer Science and IT | Apeejay College of Fine A | No | | 8360516801 | Yes |
| 3/8/2021 22:49:54 | santhembharathy@gmail. | Mr. | Santham bharathy Alagar | Asst Prof | Male | EEE | PANKAJ LADDHAD INST | No | | 7020656704 | OK. |

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Dr. P. R. Sreemahadevan Pillai
Principal
Ahalia School of Engineering & Technology
Palakkad-678557

| Timestamp | Email Address | Salutation | Full Name as it would app | Designation | Gender | Department | Full Name of the Institute | ISTE Member | ISTE Membership Numbe | Whatsapp Number | https://chat.whatsapp.com/CXc0IZxWCIc2OORKWj0mxp |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/12/2021 15:15:24 | subithamb@sngoet.org | Mrs. | SUBITHA M B | ASSISTANT PROFESSO | Female | ECE | SREE NARAYANA GURU | No | | 9746004065 | OK |
| 3/13/2021 10:37:26 | kshvakumareee@gmail.co | Mr. | K SIVAKUMAR | Assistant professor | Male | Electrical and Electronics | St. Joseph's of College of | No | | 7825987623 | Ok |
| 3/14/2021 10:22:22 | jamshi.ku@gmail.com | Mrs. | Jamshi K U | Assistant Professor | Female | Electronics | Model Engineering Colleg | Yes | | 9567775626 | |
| 3/15/2021 9:54:40 | anand.haridas@ahalia.ac | Mr. | Anand Haridas | Asst Professor | Male | CSE | ASET | No | | 9633679546 | |
| 3/15/2021 14:10:46 | siva_ak_cse@yahoo.com | Mr. | Swaminathan K | Assistant Professor | Male | CSE | St. Joseph's College of Et | No | | 9159964686 | |
| 3/15/2021 21:53:29 | rajidevaraj16@gmail.com | | RAJALEKSHMY K.D. | ASSISTANT PROFESSO | Female | DEPARTMENT OF COMI | COLLEGE OF ENGINEEI | Yes | LM 116365 | 9847406409 | |
| 3/17/2021 12:23:25 | vijithakhan21@gmail.com | Mrs. | Vijitha Khan | Assistant Professor | Female | ECE | ASET | Yes | | 9947349949 | |
| 3/18/2021 10:12:31 | sowmya.s@ahalia.ac.in | Mrs. | Sowmya S | Assistant professor | Female | Electrical and electronics | Ahalia School of engineer | Yes | | 8943403509 | |
| 3/18/2021 10:52:49 | manick1.a@gmail.com | Mr. | Manickavasagam | ASSISTANT PROFESSO | Male | EEE | Ahalia School of Engineer | Yes | | 9842324269 | Yes |
| 3/18/2021 15:14:34 | anniegeoann@gmail.com | Mrs. | ANNIE GEORGE | ASSISTANT PROFESSO | Female | ELECTRONICS AND COI | RIT. GOVT. ENGINEERIN | No | | 9400750434 | OK |
| 3/18/2021 15:33:12 | skn.ece@rmkec.ac.in | Dr. | S.Joshua Kumaresan | Associate Professor | Male | Electronics and communi | R.M.K. Engineering colle | Yes | LM25523 | 9789961751 | Joined |
| 3/18/2021 15:43:01 | hp.ece@rmkec.ac.in | Dr. | Padmavathy T V | Professor | Female | ECE | R.M.K. ENGINEERING C | Yes | LM38995 | 9962552691 | |
| 3/18/2021 15:58:13 | vivekdkose@ecc.ac.in | Dr. | Vivek Lukose | Associate Professor | Male | Mechatronics | Jyothi Engineering Colleg | Yes | | 8547523445 | |
| 3/18/2021 19:10:58 | farisha@mesce.ac.in | Mrs. | Farisha Thayyil | Asst Prof | Female | ECE | Mes College of Engineeri | No | | 8113929393 | Joined |
| 3/18/2021 19:59:15 | jishnoop.jayaprakash@ah | Mr. | JISHNOOP JAYAPRAKA | Assistant Professor | Male | MECHANICAL ENGINEE | AHALIA SCHOOL OF EN | No | | 8089480542 | |
| 3/18/2021 20:10:58 | gokul.menon@ahalia.ac.i | Mr. | Gokul A Menon | Assistant Professor | Male | Mechanical Engineering | Ahalia School Of Enginee | No | | 8547620543 | |
| 3/18/2021 20:57:11 | drmantobennet@vellechu | Dr. | Anto bennet m | Professor | Male | Electronics and Communi | Vel tech Rangarajan dr.sa | Yes | | 9965576501 | |
| 3/19/2021 7:40:50 | dhsyamk@ecc.ac.in | Ms. | DHSYA MK | Assistant Professor | Female | ECE | Jyothi Engineering Colleg | Yes | | 9645351678 | |
| 3/19/2021 14:00:28 | sruthy.sukumaran@ahalia | Ms. | SRUTHY SUKUMARAN | ASSISTANT PROFESSO | Female | CSE | AHALIA SCHOOL OF EN | Yes | | 8075506480 | |
| 3/19/2021 14:01:50 | swetha.c@ahalia.ac.in | Mrs. | SWETHA C | Assistant professor | Female | Electronics and communi | Ahalia school of engineeri | Yes | 95268 18863 | | |
| 3/19/2021 14:06:19 | preeja.v@ahalia.ac.in | Mrs. | Preeja V | Assistant Professor | Female | Science and Humanities | Ahalia School of Engineer | Yes | LM 125968 | 7559075532 | Yes |
| 3/19/2021 14:08:10 | sunitha.kg@ahalia.ac.in | Mrs. | SUNITHA K G | Assistant professor | Female | Science and Humanities | Ahalia School of Enginee | Yes | | 9446830205 | Sure |
| 3/19/2021 14:10:25 | santhosh.c@ahalia.ac.in | Mr. | Santhosh C | Assistant Professor | Male | Electronics and Communi | Ahalia school of engineeri | No | | 7907186924 | |
| 3/19/2021 14:59:00 | palaniswami.divya@gmai | Ms. | DIVYA P | Assistant Professor | Female | CSE | Bannari Amman Institute | No | Nil | 9994000262 | |
| 3/19/2021 16:17:16 | prabha.r@ahalia.ac.in | Prof. | Prabha.R | Assistant Professor | Female | Science and Humanities | Ahalia School of Engineer | Yes | | 9497330918 | Ok |
| 3/19/2021 16:42:36 | palanivelrajan.d@gmail.co | Dr. | D.PALANIVEL RAJAN | Professor | Male | CSE | C M R Engineering Colle | Yes | 64030 | 9994108829 | |
| 3/19/2021 17:13:30 | dheeraj.p@ahalia.ac.in | Mr. | Dheeraj P | Assistant Professor | Male | Mechanical Engineering | Ahalia School of engineer | Yes | | 9995264361 | |
| 3/19/2021 17:29:55 | aanandkailash@yahoo.cc | Mr. | Aanand Kailash Venkatac | Senior Manager - Machin | Male | Information Technology | Jio Platforms -Reliance In | No | NA | 8122394941 | Ok |
| 3/20/2021 9:09:02 | bindhukrajan08@gmail.cc | Mrs. | BINDHU K RAJAN | ASSISTANT PROFESSO | Female | Eee | Jyothi Engineering Colleg | Yes | | 9995010047 | |
| 3/20/2021 9:22:28 | ambily.francis@ecc.ac.in | Ms. | Ambily Francis | Assistant Professor | Female | ECE | Jyothi engineering colleg | No | Nil | 8907071298 | yes |
| 3/20/2021 10:19:07 | nandu.s@ahalia.ac.in | Mr. | Nandu S Nair | Assistant Professor | Male | CSE | Ahalia School of Enginee | No | | 8281006692 | |
| 3/20/2021 10:44:54 | aneeshk.arg@gmail.com | Mr. | Aneesh K | Assistant professor | Male | ECE | Ahalia School of Enginee | Yes | | 9846481364 | |
| 3/20/2021 11:11:52 | divya.mohan@ahalia.ac.in | Mrs. | Divya Mohan | Assistant professor | Female | ECE | Ahalia school of engineeri | Yes | | 8281939484 | |




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# Report on AICTE -ISTE Sponsored 6-day online Faculty Development Programme on Machine Learning and Optimization –Phase II

22-27, March 2021

The Department of Electronics and Communication Engineering, Ahalia School of Engineering and Technology organized AICTE -ISTE Sponsored 6-day online Faculty Development Programme on Machine Learning and Optimization –Phase –II during 22-27, March 2021. The programme was inaugurated on 22nd March 2021 by chief guest Dr. Pratap Sinh Kakaso Desai, President, ISTE, New Delhi. He pointed out the necessity of adapting to the newer situations by upgrading the technical Skills. He stressed that basic idea should be developing technical solution for a real-time problem in the academic institutions itself. He wished the outcome of these FDP would be transferred to the students as knowledge.

Dr.V Balamurugan had welcomed the gathering and briefed about the FDP and its importance. He explained various outcome of the program. He had given brief outline of program and requested to all participants to enrich their knowledge from this FDP by effective participation.

Dr. P.R Sreemahadevan Pillai , Principal , Ahalia School of Engineering and Technology and Director, Ahalia group of Academic Institutions, presided over the function. He talked about the necessity of having the right knowledge in advanced technologies for the wellbeing of the society. Dr. Krishna Kumar Kishor, Vice-Principal, Ahalia School of Engineering and Technology and Assistant Director, Ahalia Group of Academic Institutions, felicitated the gathering. He highlighted the need of machine learning and innovations to make education more relevant for making a better society for the future. He urged the participants to actively involved in the sessions and disseminate the knowledge to the students. Mrs. Vijatha Khan, AP/ECE , proposed the vote of thanks.

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There was a total of 18 sessions. Each session was handled by experts from reputed academic institutions and industries. Various topics of machine learning and optimizations were presented along with hands on training A total of 105 participants from across the country registered and 59 participants were actively participated in the programme. The FDP was concluded with valedictory function on 27 March 2021. The chief Guest for Valedictory function was Prof. Dr. C.P Sunil Kumar, National Executive Council Member, ISTE New Delhi. He mentioned that, the importance of machine learning in different fields. He pointed out the necessity of upgradation of knowledge to newer technologies like AI and MI

The session was concluded with the vote of thanks by Dr. V.Balamurugan , FDP Coordinator. He highlighted the immense contribution of the Organizing Committee members and experts. He mentioned special thanks to Dr. P.R Sreemahadevan Pillai, Principal, Ahalia School of Engineering and Technology and Director, Ahalia group of Academic Institutions and Dr. Krishna Kumar Kishor , Vice- Principal and Assistant Director, Ahalia Group of Academic Institutions, He also showed his gratitude towards the Ahalia Management and Advisory Committee members for facilitating the event. He heartily thanked all the speakers who spared their valuable time. He also thanked all the participants who made this event a grand success by participating wholeheartedly.

## Outcome of the Event:

- By the end of the FDP, the participants can identify the type of machine learning problem and to apply the appropriate set of techniques.
- Understand a wide variety of machine learning algorithms to frame data models.
- Participants were educated on the most widely used advance techniques like Machine Learning and optimization areas like Tensor flow, CART, Principle Component Analysis using Google COLAB and machine learning implementation etc

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- Find out where Machine Learning and optimization is applied in Technology and Science.

- Applications of machine learning in real scenarios.

- How to evaluate machine learning algorithms

- Learn the various aspects of machine learning and optimization and how information can be extracted from data.
- Carry out predictions and how to predict, how to analyses predicted values, discuss the importance of variables in a dataset.
- Industries and the domain where machine learning and optimization are used extensively.

- Understand how to perform the optimization techniques.

- The FDP was designed to be generic in nature for satisfying the needs of academic institutions and industry personnel field of machine learning and optimization.

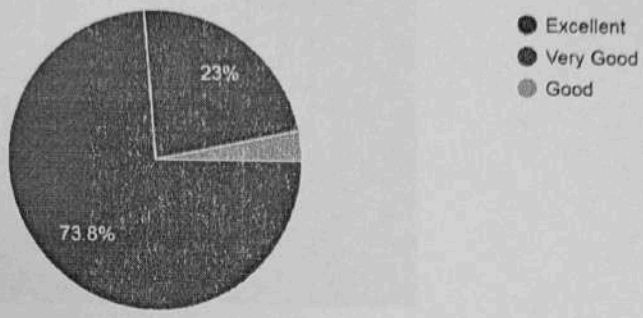
- All the eligible participants were distributed with the participant certificates on successful completion of assessment

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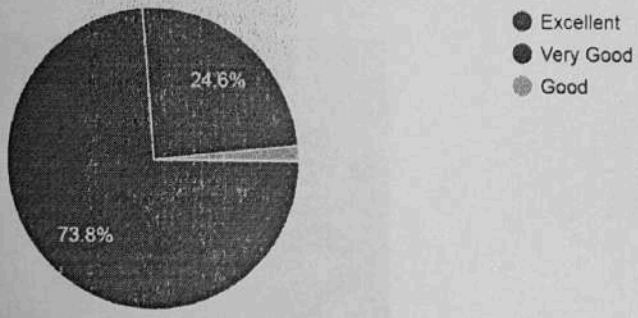
How would you rate the invited speakers

61 responses




How do you rate the overall organization of the FDP

61 responses




The following **Feedback** was received from the participants:

- 73.8% of the participants felt that the delivery and presentation of the Resource Persons were excellent and 23% of the participants wrote as very good.

- 73.8% of the participants opined that the FDP was coordinated as excellent 24.6% of the participants wrote as very good.

- Participants endorsed the fact that such FDPs should be arranged regularly.

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Inaugural and Session Screenshots

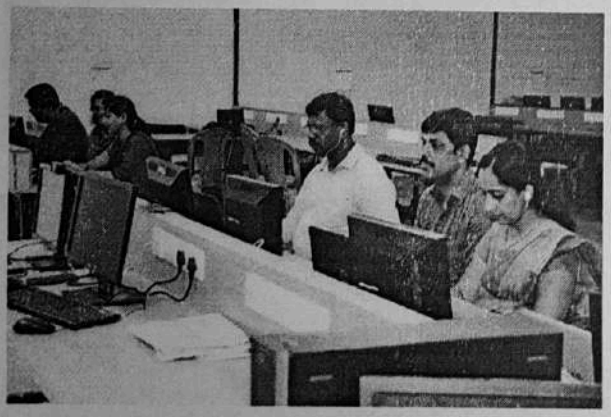




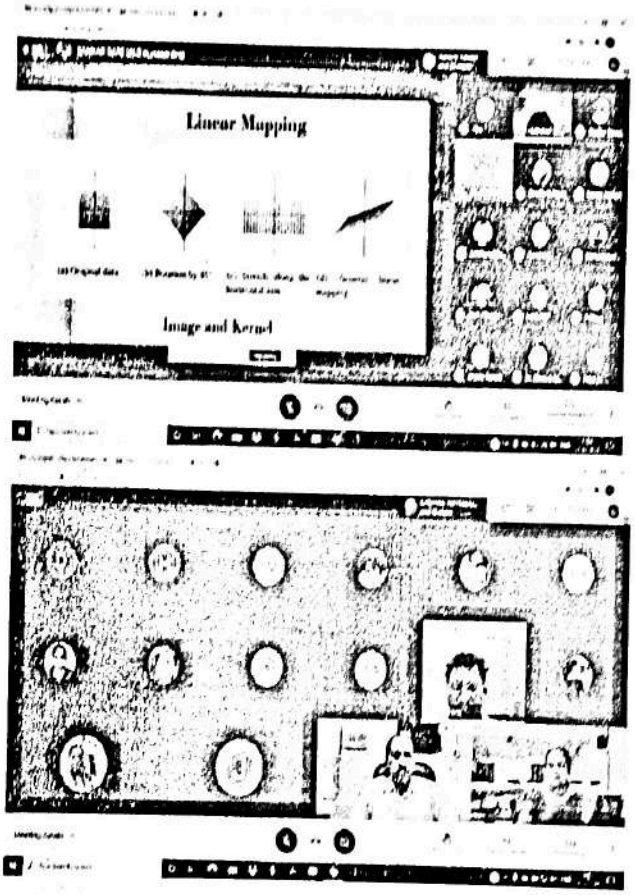
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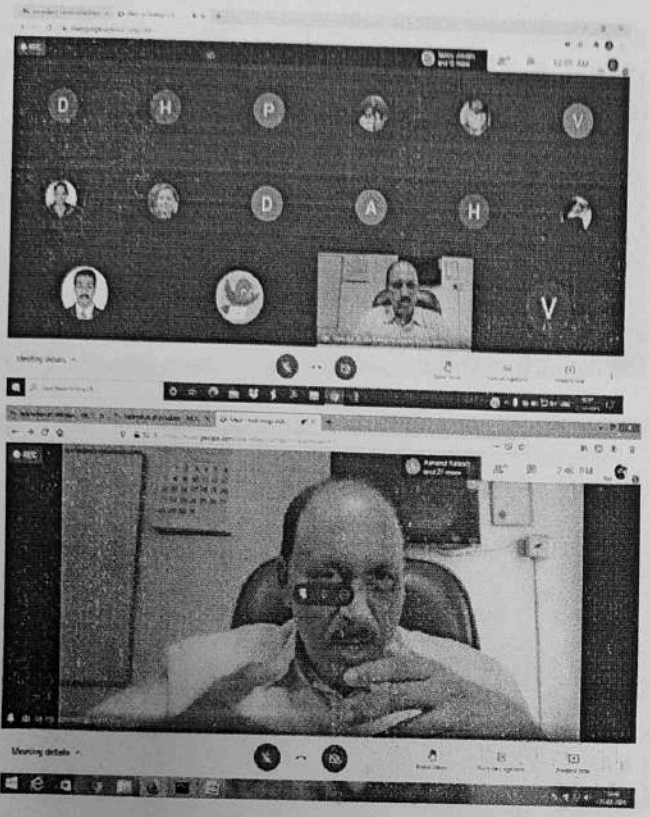



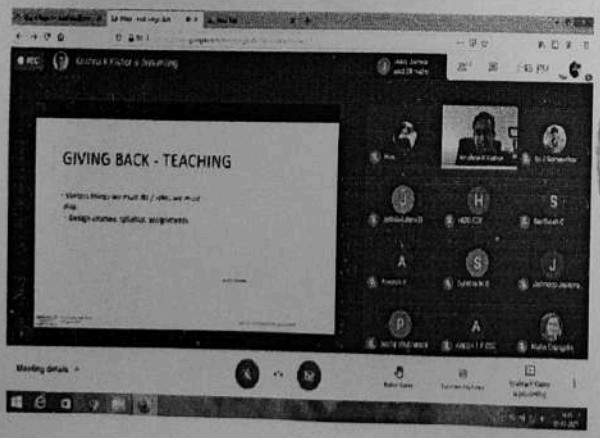
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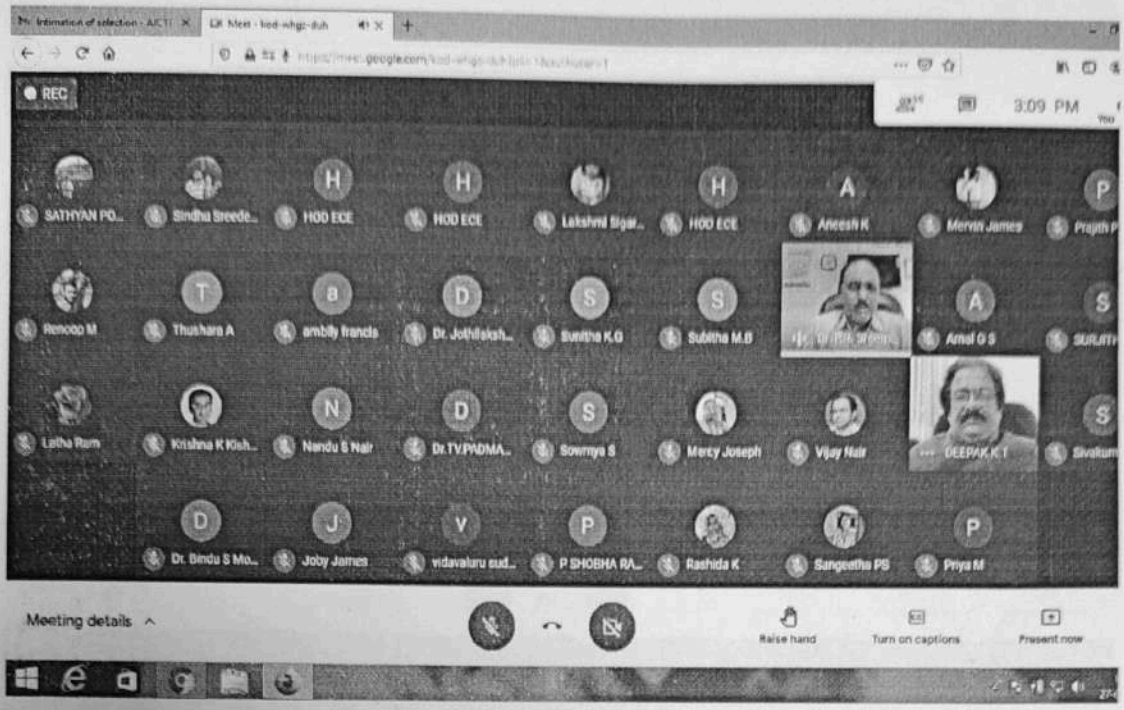
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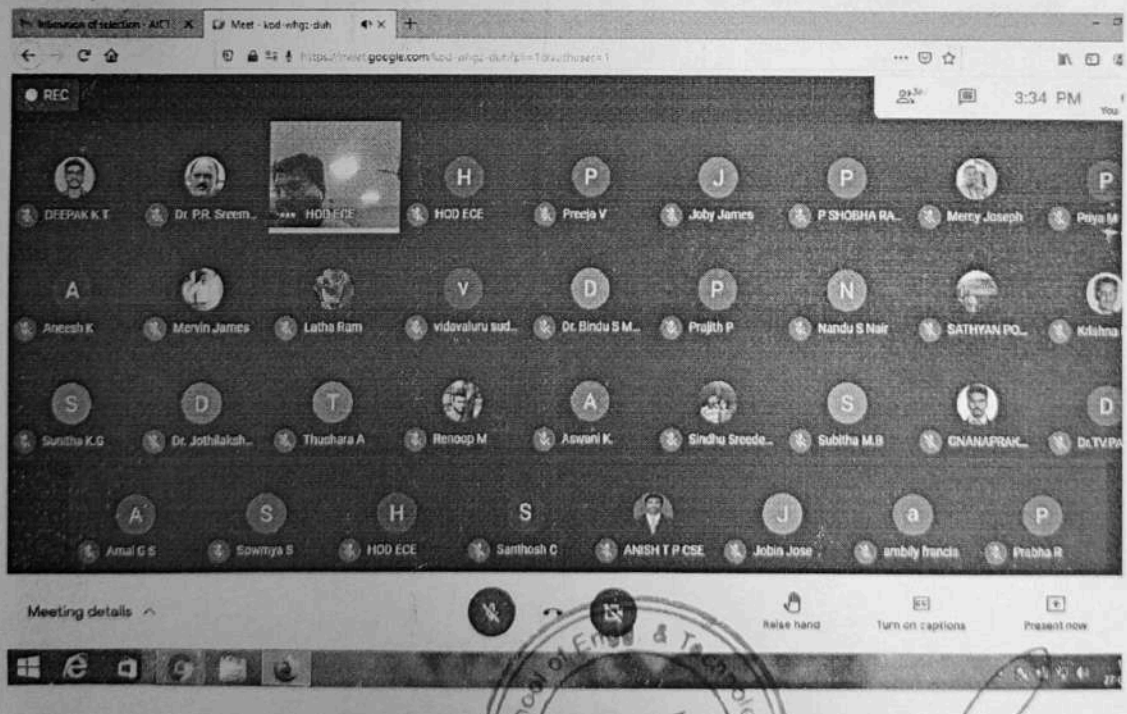


Valedictory Session Screenshots

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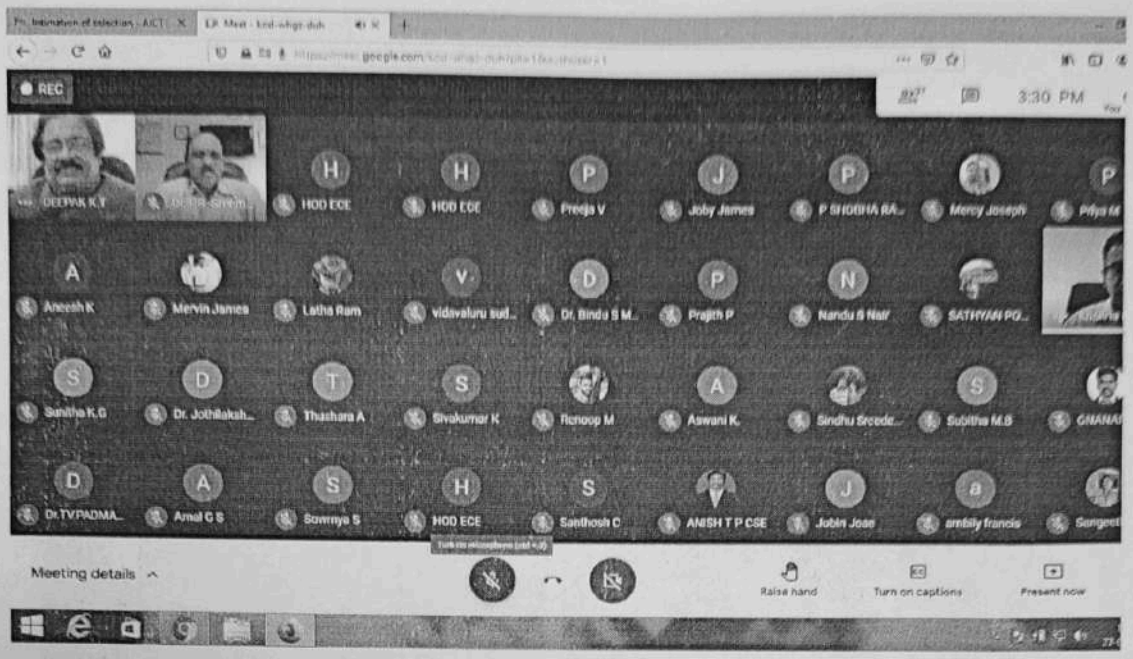



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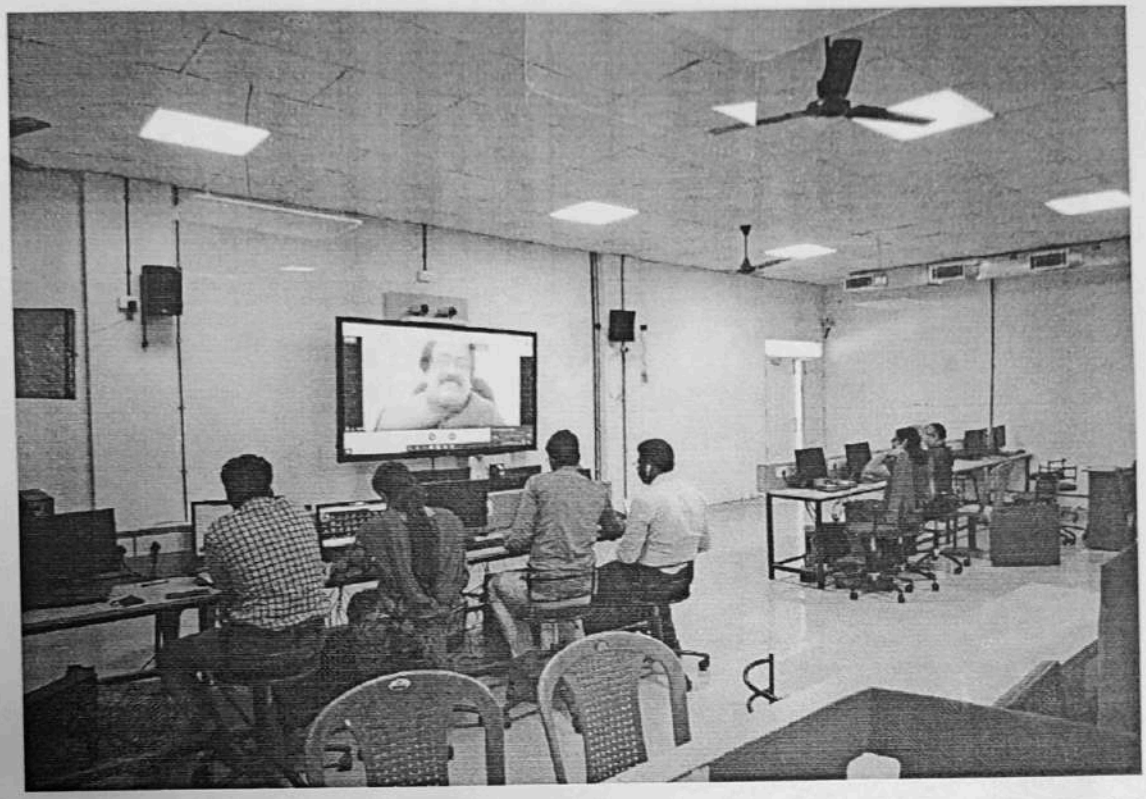
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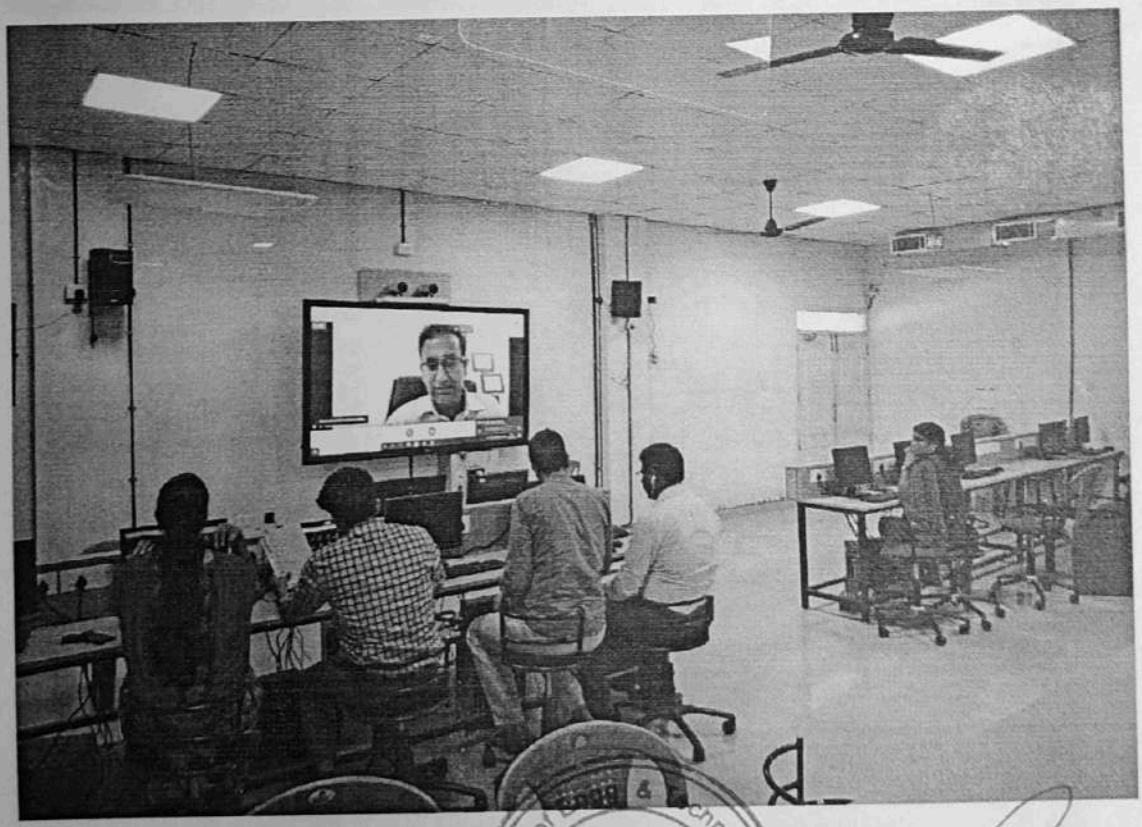
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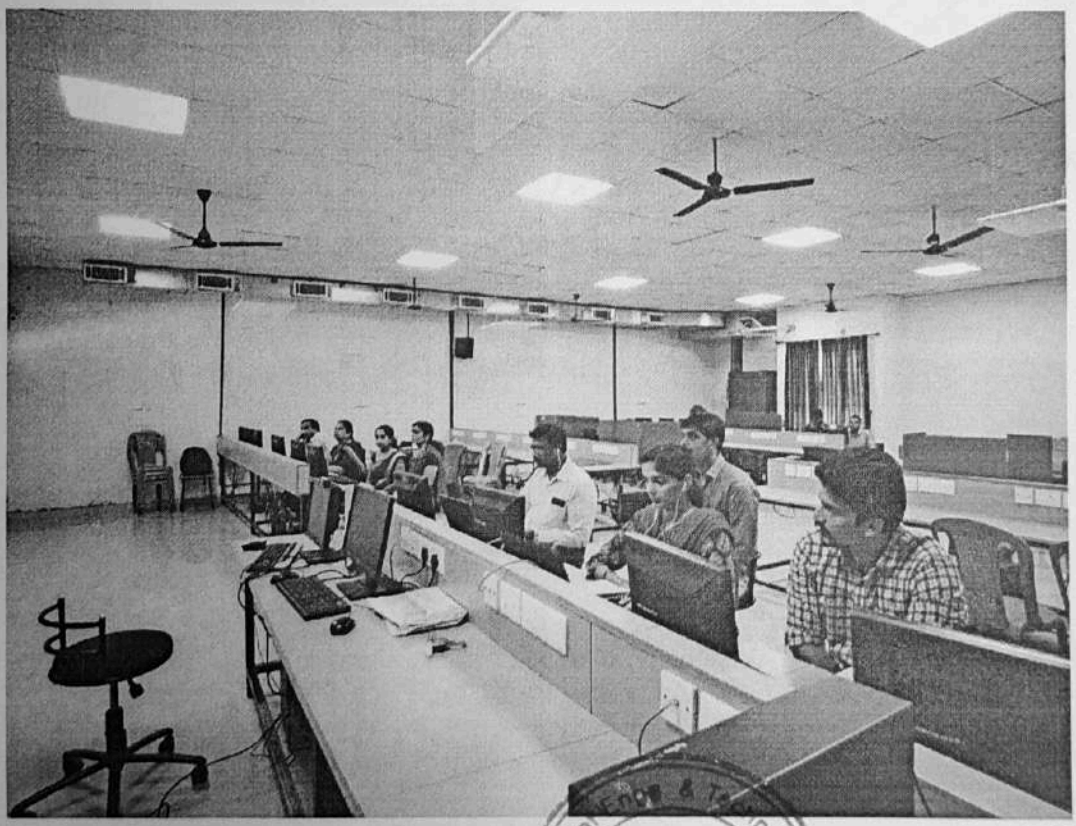
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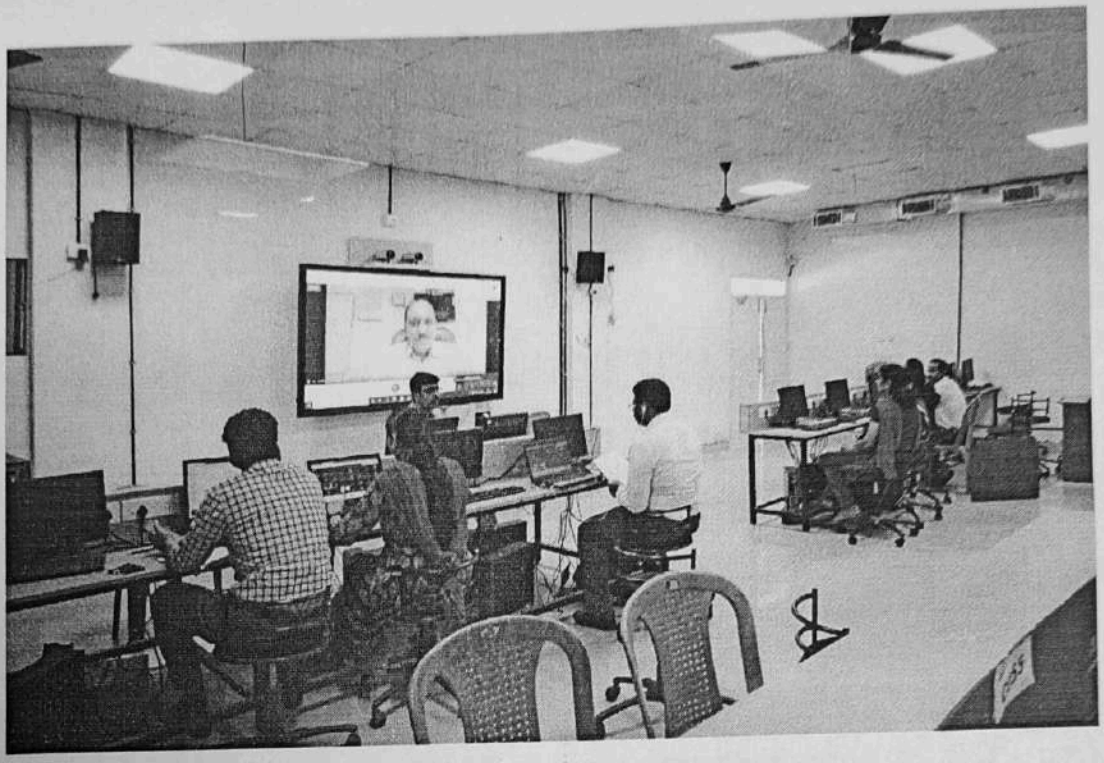
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