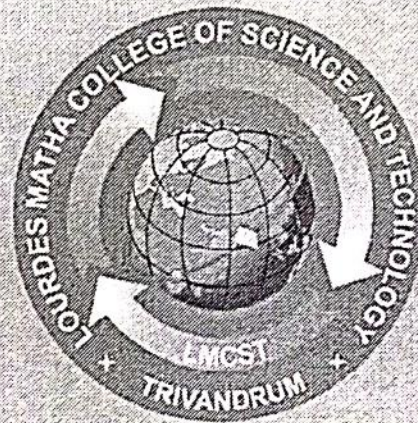


LOURDES MATHA COLLEGE OF SCIENCE AND TECHNOLOGY
(Managed by Archdiocese of Changanacherry)
Department of Electrical and Electronics Engineering

cordially invites you to the

ANNUAL MEET OF

DYUTI PRAVAH



Chief Guest

DR. S. INDULAL

DEPUTY DIRECTOR

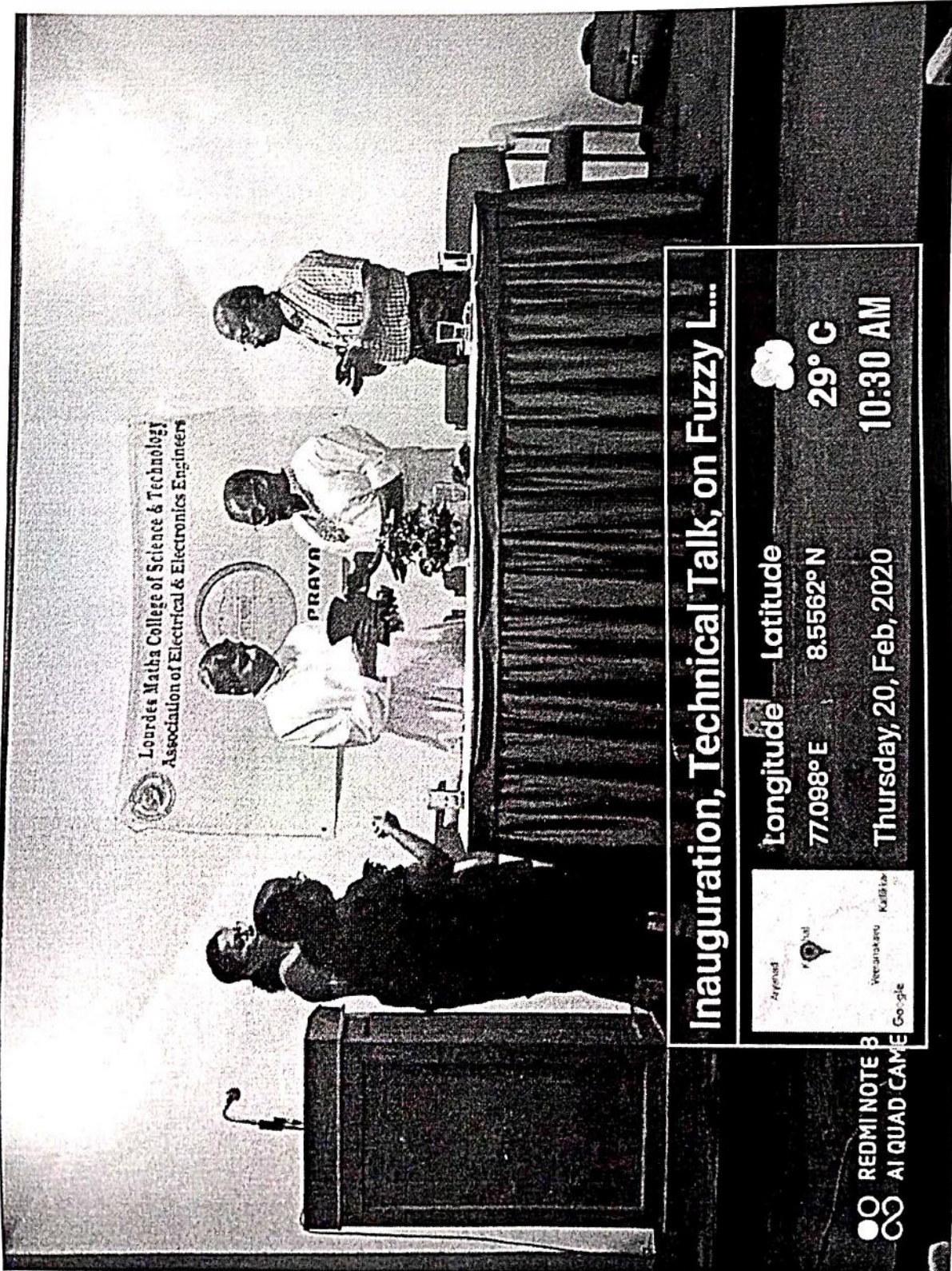
DIRECTORATE OF TECHNICAL EDUCATION

Venue: LOMAA HALL

20/02/20 @ 10:30AM

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

A Technical talk on "Fuzzy Logic Controllers" was organised as part of Dyuti Pravah 2020 on February 20th at LOMMA Hall. The talk was delivered by Dr. S. Indulal (Deputy Director , Directorate of Technical Education)



Inauguration, Technical Talk, on Fuzzy L...

Longitude — Latitude

77.098° E | 8.5562° N



29° C

10:30 AM

Thursday, 20, Feb, 2020



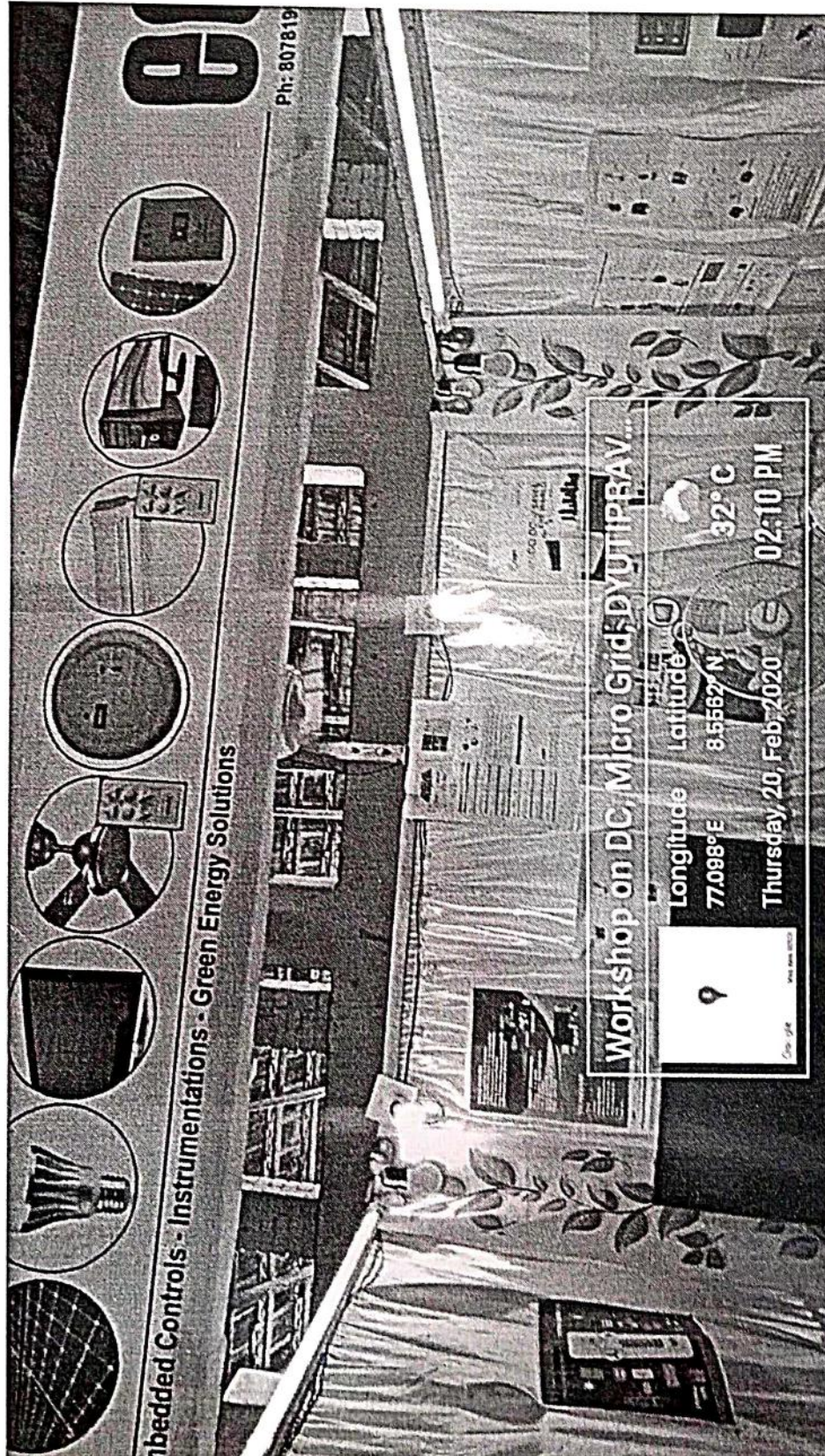
REDMINOTE B
AI QUAD CAME

PROGRAM SCHEDULE

- 10:30AM : Prayer Song : Parvathy P.S, Annlet Joy
- 10:32 AM : Welcome Address : Soja Cliften
- 10:35 AM : About
DYUTIPRAVAH'20 : Prof. Swapna M, HOD,
Dept. of EEE.
- 10:40 AM : Lighting the Lamp
- 10:45 AM : Presidential Address : Rev. Fr. Dr.Tomy Joseph
Padinjareveetil
- 10:50 AM : Inaugural Address by
Chief Guest : Dr S. Indulal, Deputy Director,
Directorate of Technical
Education
- 11:00 AM : Felicitation by : Dr. P.P.Mohanlal,
Principal,LMCST,
Rev.Fr.Dr.SonyMundunadackal,
Executive Director
- 11:20 AM : Vote of Thanks : Mahesh Krishna V.S
(Student Coordinator,Dyuti
Pravah)
- 11:25 AM : Technical talk by Chief
Guest : Fuzzy Logic Controller
- 1:15-
3:30 PM : LIVE DEMO of DC Solar
Micro Grid
- 3:30PM : Feedback Session

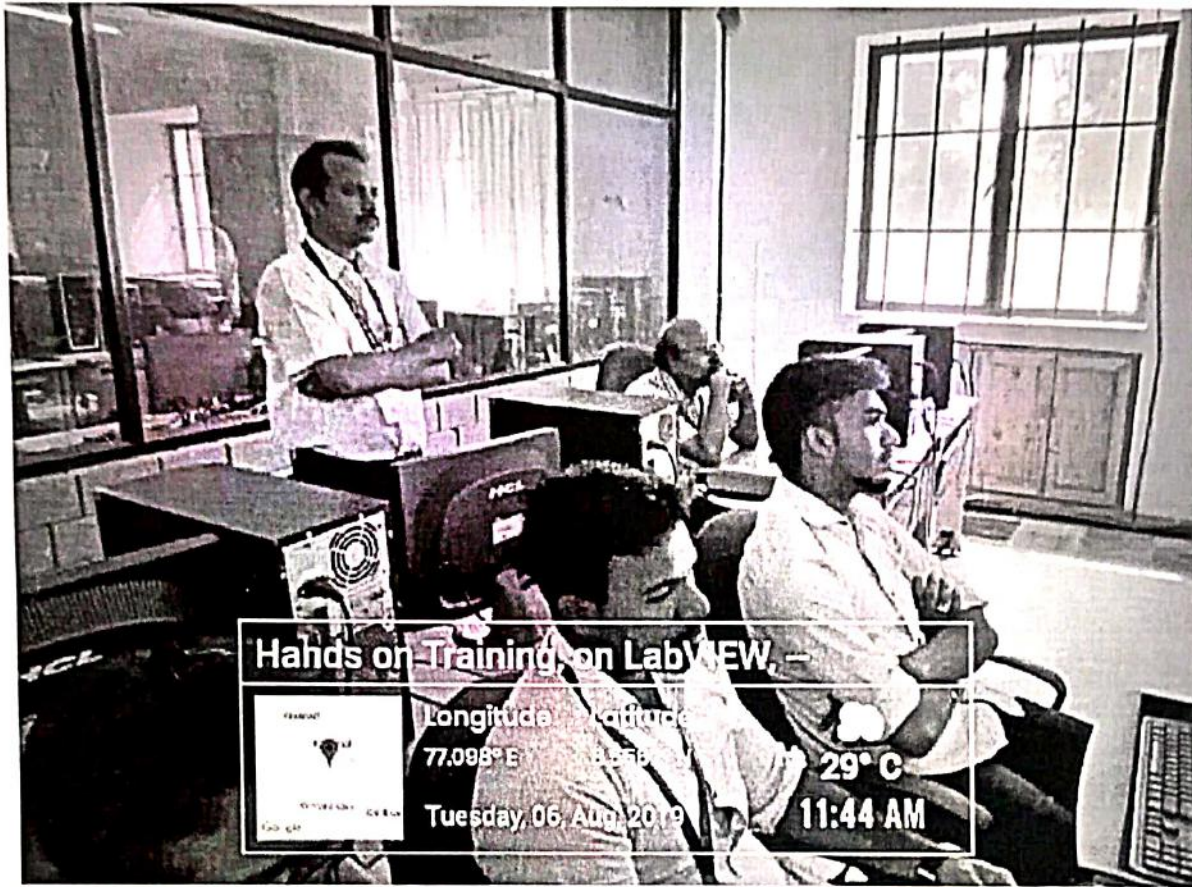
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

A one day workshop on “ DC Micro-grid was organised on Feb 20th , 2020 by the Department of Electrical and Electronics Engineering as part of the Departmental Association Activities, Dyuti Pravah 2020



DEPARTMENT OF ELECTRICAL AND ELECTRONICS

- A Hands-on training session on Lab-View for Staff and Students was conducted on 6th August 2019 at LAB B , CS department was lead by Mr. Shino G Babu , TIERA Pvt. Ltd.



LOURDES MATHA COLLEGE OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS

HANDS ON WORKSHOP 'LAB VIEW'

The department of Electrical and Electronics conducted a Hands-on Workshop
on ~~Green Building~~ ^{LABVIEW} on 05.08.2019.

Venue : B lab CSE BLOCK

Time : 9:30 AM

Resource Person : Mr. Shino G Babu (Tierra Pvt. Ltd.)

LABVIEW : LabVIEW is systems engineering software for applications that require test, measurement, and control with rapid access to hardware and data insights. The programming paradigm used in LabVIEW, sometimes called G, is based on data availability. If there is enough data available to a subVI or function, that subVI or function will execute. Execution flow is determined by the structure of a graphical block diagram (the LabVIEW-source code) on which the programmer connects different function-nodes by drawing wires. These wires propagate variables and any node can execute as soon as all its input data become available. Since this might be the case for multiple nodes simultaneously, LabVIEW integrates the creation of user interfaces (termed front panels) into the development cycle. LabVIEW programs-subroutines are termed virtual instruments (VIs). Each VI has three components: a

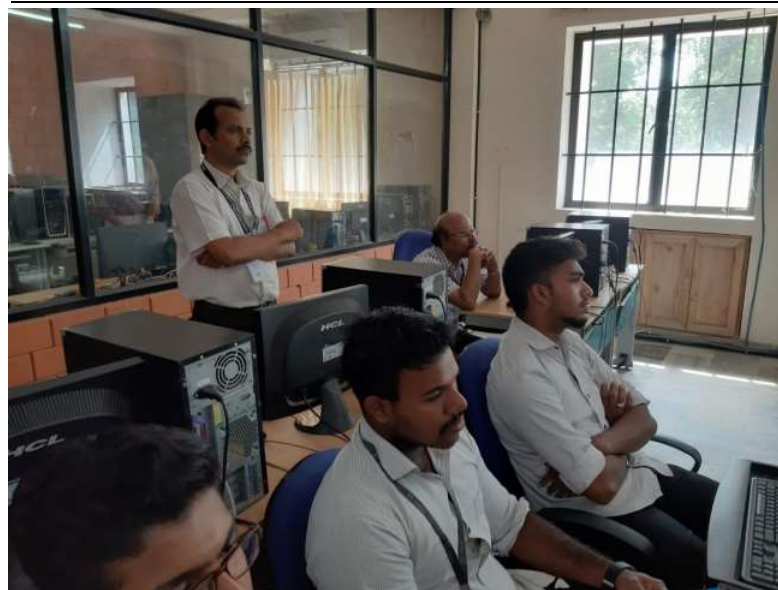
block diagram, a front panel, and a connector pane. The last is used to represent the VI in the block diagrams of other, calling VIs.

The session as organised to give the students and faculty an introduction to the ecosystem and to check feasibility of conducting further long term courses on the said field. The session provided a world on information regarding modern instrumentation and control system development techniques and a hands-on experience in the operation and programming of industrial grade motors, sensors and other devices

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

A Hands-on training session on Lab-View

A Hands-on training session on Lab-View for Staff and Students was conducted on 6th August 2019 by the Department of Electrical and Electronics at LAB B , CS department . The session was lead by Mr. Shino G Babu , Director , TIERA Pvt. Ltd.

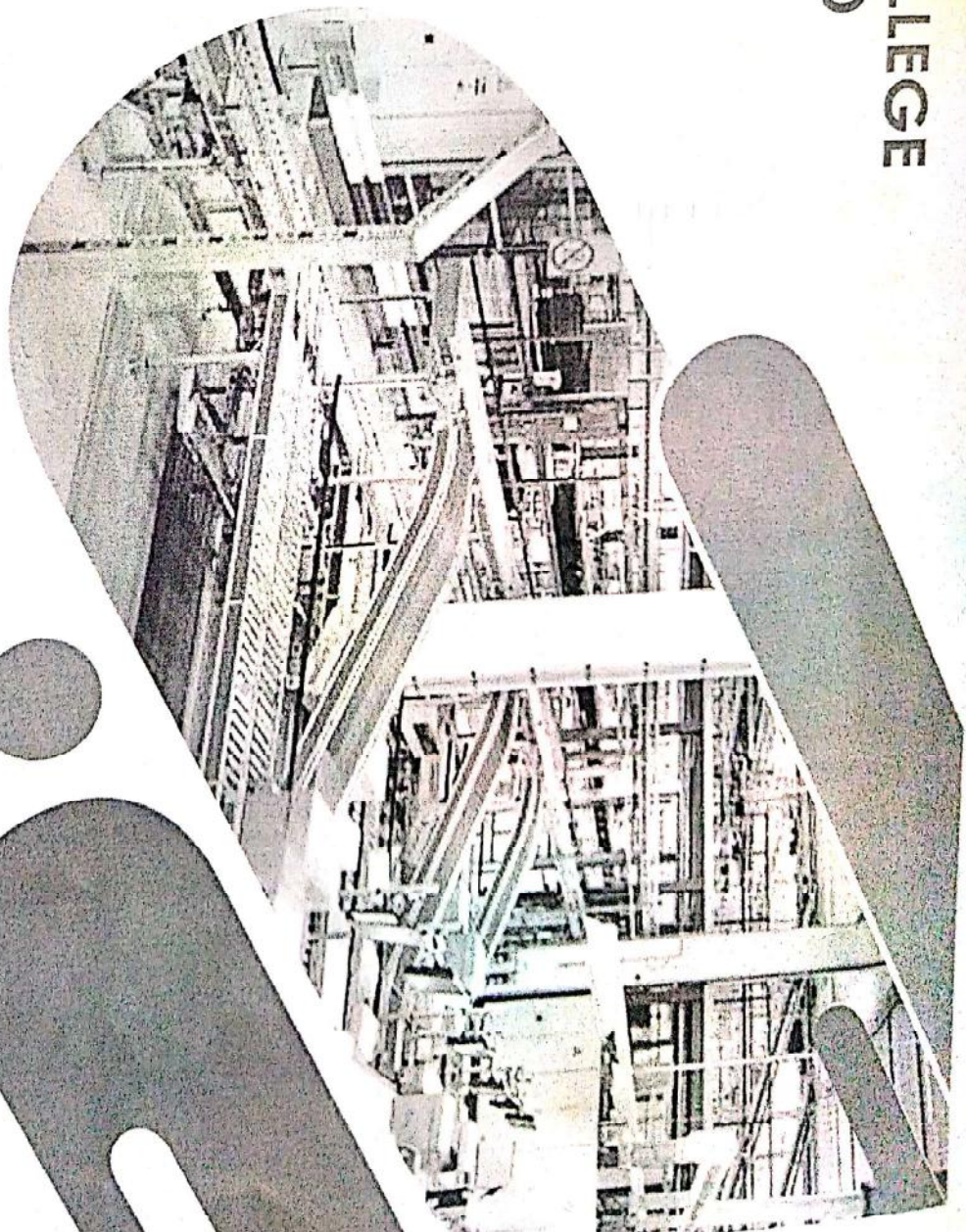


**LOURDES MATHA COLLEGE
OF SCIENCE AND
TECHNOLOGY**

**Hands on Training
Session on LabVIEW**

**AUGUST 6
2019**

DEPARTMENT OF ELECTRICAL AND ELECTRONICS



LOURDES MATHA COLLEGE OF SCIENCE AND TECHNOLOGY

Lourdes Hills, Kuttichal P.O,

Thiruvananthapuram, Kerala - 695 574

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Date : 06/08/19

Time : 9:30 - 12:30

"Hands On Training Session in LabVIEW"

by
Mr. Shino G. Babu, Director, TIERA Pvt. Ltd.

Venue : B-Lab, CS Dept.

Sl. No.	Name	Department	Signature
1	Maheshkrishna V.S. - S5	EEE	V.S.K
2	Uishnu prasad U.U.S	EEE	U.U.S
3	Abhijith J.J - S7	EEE	Abhijith
4	ANANDHU.R.S - S5	EEE	Ans
5	Amal Alphonse - S3	EEE	Amal
6	Al-amree M.S - S3	EEE	Alam
7	GIOKOL - S3	EEE	Coold
8	Justin Joseph - S3	EEE	Justin
9	Bijith B.S - S3	EEE	Bijith
10	Jibin B - S3	EEE	Jibin
11	Gopika Gopan - S7	EEE	Gopika
12	Samyuktha Ganesh - S7	EEE	Samyuktha
13	Swathi Kaishna.S - S7	EEE	Swathi
14	Soja cliften - S7	EEE	Soja
15	Rivathy A.S	M.Tech EEE	Rivathy
16	Renyini CM - S5	EEE	Renyini
17	Arya S. Anil - S5	EEE	Arya

LOURDES MATHA COLLEGE OF SCIENCE AND TECHNOLOGY

Lourdes Hills, Kuttichal P.O,

Thiruvananthapuram, Kerala - 695 574

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Date: 05/08/19

Time: 9:30 - 12:30

Venue: B-Lab, CS Dept

"Hands On Training Session in LabVIEW"

by

Mr. Shino G. Babu, Director, TIERA Pvt-Ltd.

Sl. No.	Name of staff	Department	Signature
1	Suresh Kumar K	EEE	[Signature]
2.	Nakul N	EEE	[Signature]
3.	Dr. Johnson Y	EEE	[Signature]
4.	Rikesh P. Mathew	EEE	[Signature]
5	Asmitha M	EEE	[Signature]
6.	Gayathri Devi	EEE	[Signature]

Syllabus for LabVIEW for EEE and ECE students

SL.NO	Description
1.	Building a real time function generator in LabVIEW
2.	Generation of pwm signal in LabVIEW
3.	Generating three phase pwm in LabVIEW
4.	Extracting signal attributes in LabVIEW
5.	Spectral content of waveform using FFT
6.	Building an FFT analyzer
7.	Study of effect of noise and filters using LabVIEW
8.	Developing a platform for finding the frequency of a tuning fork
9.	Developing a DTMF decoder using LabVIEW
10.	Interfacing hardware with ni daq (usb 6001/6009) with labview
11.	Interfacing digital / analog sensors with labview
12.	Develop a labview code for measuring the room temperature by using temperature sensor
13.	Implementing on/off control technique in labview
14.	Implementing pid controller in labview
15.	Open loop control of dc motor
16.	Closed loop control of a dc motor using pid controller
17.	Interfacing unipolar stepper motor with labview
18.	Interfacing encoders with labview
19.	Developing an energy meter using labview with sensors.

LOURDEN MATHIA COLLEGE OF SCIENCE AND TECHNOLOGY

Lourdes Hills, Kuttichal P.O,
Thiruvananthapuram, Kerala - 695 574

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Date: 05/02/10

Time: 9:30-12:30

Venue: B-Lab, CS Dept.

"Hands On Training Session in LabVIEW"

Mr. Shino G. Balu, ^{DD} Director, TIERA Pvt Ltd.

Sl. No.	Name of students	Department	Signature
1.	Santo.K. Stephen	EG	<u>Santo</u>
2	U. Siva Shankar	EC	<u>Siva</u>
3	ABHISHEK.S	ECE	<u>Abhishek.s</u>
4	Bireedlal.C.T	ECE	<u>Bireedlal</u>
5	Ajil Sakthyan	ECE	<u>Ajil Sakthyan</u>
6.	Anjana P Nair	ECE	<u>Anjana</u>
7.	Parvathy Suresh	ECE	<u>Parvathy</u>
8.	Gayathri Krishnan	ECE	<u>Gayathri</u>
9.	Lekshmi. R.R.	ECE	<u>Lekshmi</u>
10	Shibina. Shajahan	ECE	<u>Shibina</u>
11	Revathy .A.S	M.Tech, EEE	<u>Revathy</u>
12	Renjini C.M.	EEE	<u>B.</u>
13	Arya S. Anil	EEE	<u>Arya</u>

LOURDES MATHA COLLEGE OF SCIENCE AND TECHNOLOGY
KUTTICAL, THIRUVANANTHAPURAM
(Managed by Archdiocese of Changanacherry)



ENERGY MANAGEMENT CELL
THEJOMAYA
PRESENTS

TECHNICAL TALK ON

GREEN BUILDING

By

Shri. A.N. DINESH KUMAR
(SHP Division Head EMC)

3:00 PM @ LOMAA HALL

29/10/2019



GREEN BUILDING – TECHNICAL TALK

- A technical talk on Green building was organised by Thejomaya (Energy Management Cell) and was lead by Shri. A N Dinesh Kumar(SHP Division Head , EMC) on 29th Oct 2019



LOURDES MATHA COLLEGE OF SCIENCE AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS

TECNHICAL TALK ON 'GREEN BUILDING'

The department of Electrical and Electronics in association with energy management cell TEJOMAYA conducted a technical talk on GREEN BUILDING on 28.10.2019.

Venue : LOMAA Hall

Time : 3 PM

Guest Speaker : Sri A N DINESH KUMAR (SHP DIVISION HEAD, EMC)

Energy Management Centre (EMC) at State level, primarily aims to remould and instrumentalise energy sector as a catalyst in promoting a development process which is econo-ecologically sustainable. With a view to making energy sector achieve such a lead and catalytic role, EMC has evolved a novel and comprehensive energy management approach and institutional philosophy encompassing management of energy technology systems - both conventional and non-conventional, energy conservation in all sectors of the economy, energy resource management, rural and urban energy systems, energy education and training, energy generation and conservation based employment and poverty alleviation programmes.

The department of Electrical and Electronics in association with energy management cell TEJOMAYA conducted a technical talk on GREEN BUILDING to spread awareness among the faculty and students regarding the need of energy efficient and carbon positive buildings and its importance in improving sustainability

A 'green' building is a building that, in its design, construction or operation, reduces or eliminates negative impacts, and can create positive impacts, on our climate and natural environment. Green buildings preserve precious natural resources and improve our quality of life.

There following features make a building 'green'. The buildings must be designed in such a way that is ensures

- Efficient use of energy, water and other renewable resources
- Usage of Pollution and waste reduction measures, and the enabling of re-use and recycling
- Good indoor environmental air quality
- Usage of materials that are non-toxic, ethical and sustainable
- Consideration of the environment in design, construction and operation
- Consideration of the quality of life of occupants in design, construction and operation
- A design that enables adaptation to a changing environment

The session explained the necessity of such a construction and also elaborated the various design considerations and procedures involved in the same. The session proved to be useful for the budding engineers as well the faculty mentors in gaining valuable insight into the design aspects of green buildings