Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

Academic Year	Number of training programs
2023-2024	14

Co-ordinator

Principal

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6.3.3 Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year 2023-2024

CONSOLIDATION SHEET

Sl No	Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	No. of participants
1	02-05-2024 to 03-05-2025	International Conference on Sustainable Goals in Materials, Energy and Environment		720
2	03-05-2024 to 04-05-2025	International Conference on Computational Intelligence and Digital Technology (ICCIDT 2K24)		357
3	22-01-2024 to 26-01-2024	Faculty Development Program On Cyber Security And Forensics		154
4	24-05-2024 to 25-05-2024	International conference in Advances in Mechanical Engineering Transcending Boundaries ICAMET 2024		19
5	03-07-2023 to 07-07-2023	FDP on "Intelligent Future: Unlocking the Potential of Artificial Intelligence"		11
6	14-08-2023 to 18-08-2024		FDP on 3D EM simulation using CST STUDIO SUITE	9

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Sl No	Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	No. of participants
7	18-04-2024 to 19-04-2024	International Conference on "Recent Trends in VLSI and Communication Systems ICRTVC'24"		189
8	9-05-2024 to 10-05-2024	International Conference on Smart Innovations in Electrical Engineering		160
9	18-06-24 to 22/06/24	Mathematical Advances in Electrical Engineering: Challenges and Exploration		50
10	29-01/24 to 02-02-2024	FDP on Unleashing the Sustainable Developments and Future Trends in Electrical Engineering		75
11	15-4-2024 to 17-4-2024	FDP on Soft Skills for Professional Excellence		17
12	18/06/2024 to 22/06/2024	Mathematical Advances in Electrical Engineering: Challenges and Exploration		8
13	31/05/2024-01/06/2024	International Conference on Ethical and Green Living: A New Paradigm of Green		146
14	06/12/2023 - 08/12/2023	Workshop on OBE- Research writing and Publication		14

Co-ordinator

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ICSMEE'24

25-26 APRIL 2024

MANGALAM COLLEGE OF ENGINEERING, Kottayam, Kerala

CALL FOR PAPERS

Indexed by **Scopus**

International Conference on Sustainable Goals in Materials, Energy, and Environment

(Hybrid Mode)

SUB-THEMES

- Material Science
- Energy
- Environmental Impacts
- Sustainable Practices
- Hydrology
- Advanced Interdisciplinary approaches
- Nano materials & technology

REGISTRATION FEES

Early Bird (Before 15 April, 2024)	
Industry Professionals	₹12500
Faculty/Research Scholar	₹11500
Students	₹10500
Listeners	₹1500

Regular (After 15 April, 2024)	
Industry Professionals	₹13500
Faculty/Research Scholar	₹12500
Students	₹11500
Listeners	₹1500

IMPORTANT DATE

15th MAR, 2024	25th MAR 2024	5th APR, 2024	15th APR, 2024	25-26th APR, 2024
Paper submission deadline	Acceptance notification	Camera ready paper submission	Registration and Payment Deadline	Conference date

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SUBMISSION LINK

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More Information https://www.mangalam.ac.in/icsmee24 icart@mangalm.in +91 7010521749

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CALL FOR PAPER

Interdisciplinary Research Conference

Fourth Edition

ICSMEE'24

02 & 03 MAY 2024, Kottayam, Kerala, India

Submission Link

https://cmt3.research.microsoft.com/ICSMEE2024

Contact us

Dr. K. Arunkumar

icart@mangalam.in

+91 7010521749, +91 6282266140

https://www.mangalam.ac.in/icsmee24

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ICSMEE

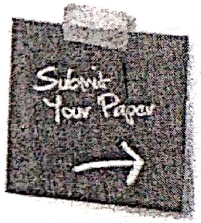
Sustainable goals in Materials, Energy, Environment

Scopus

International Conference on

Sustainable Goals in Materials, Energy, and Environment

(Interdisciplinary)



Publications

Selected quality papers will be published in the following periodicals based on the scope of the papers

In association with

- Materials Science Forum (MSF)
- Key Engineering Materials (KEM)
- Solid State Phenomena (SSP)
- Advances in Science & Technology (AST)
- Defect and Diffusion Forum (DDF)
- E3S Conference Proceeding

E3S Web of Conference

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ICSMEE'24

ICSMEE

MAJOR TOPICS COVERED

Scopus

Interdisciplinary Research Conference

Theme 1: Material Reutilization & new advanced materials

- *Advanced materials,*
- *Biomaterials,*
- *Composite materials,*
- *Renewable materials,*
- *Nano materials,*
- *Smart/Intelligent materials/Intelligent systems.*
- *Magnetic materials and smart materials for specific applications,*
- Micro Electro Mechanical Sensors (MEMS) *on structural control*
- *Materials property, and characterization*
- *Green building materials and technology*
- *Novel cementitious mixtures*

Theme 2: Environmental Impacts and Mitigation Strategies

- Reduction of GHG emission
- *Air Quality and pollution control measures*
- *Climate change and mitigation*
- *Integrated Modelling in Land Use & Water.*
- *Alternation of material usage in concrete (Replacement of traditional materials in concrete)*
- *Industrial and Domestic waste Management.*

Theme 3: Advanced Interdisciplinary Approaches

- *Advanced structural materials,*
- *Internet of Things (IoT) applications in Construction Industry,*
- *Machine learning techniques*
- *Big data analysis in the geotechnical field*
- *Post-disaster damage analysis using sophisticated image processing and statistical interpretation tools*
- *Transportation structures strengthened with smart power systems*
- *Additive manufacturing or 3D printing technology in construction*
- *Advancements in the structural health monitoring systems integrated with IoT.*

Theme 4: Reduction of Energy Utilization

- Energy-efficient *Buildings,*
- Recycled materials in concrete
- Utilization of industrial waste materials in concrete
- Intelligent *Transport Systems (ITS) for Sustainable transportation*
- *Bio energy generation*
- *CO2 Capture,*
- *Geothermal,*
- *Renewable Fuels,*
- *Solar Thermal & Wind Energy*

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ICSMEE Scopus

REGISTRATION

Deadline for Paper Submission	31th March 2024
Intimation of Acceptance	10th April 2024
Camera Ready Paper Submission	20th April 2024
Deadline for Registration	25th April 2024
Releasing of presentation schedule	28th April 2024.

REGISTRATION FEES

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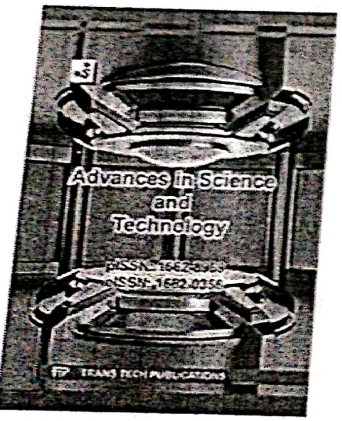





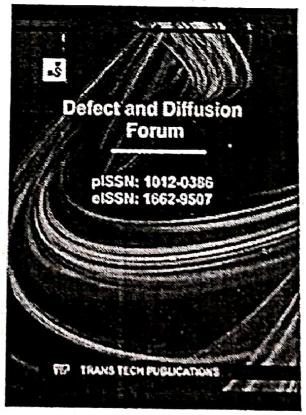

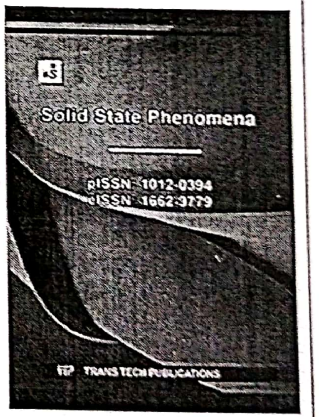

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Senior Principal Scientist,
Advanced Materials Laboratory,
CSIR-SERC, Chennai

GUEST OF HONOUR



Dr. Siau Chen Chian Darren
Professor, Department of Civil and Environmental Engineering, National University of Singapore

DATE: 02nd May 2024 | TIME: 9.30a.m. | VENUE: Digital Theatre, Mangalam campus

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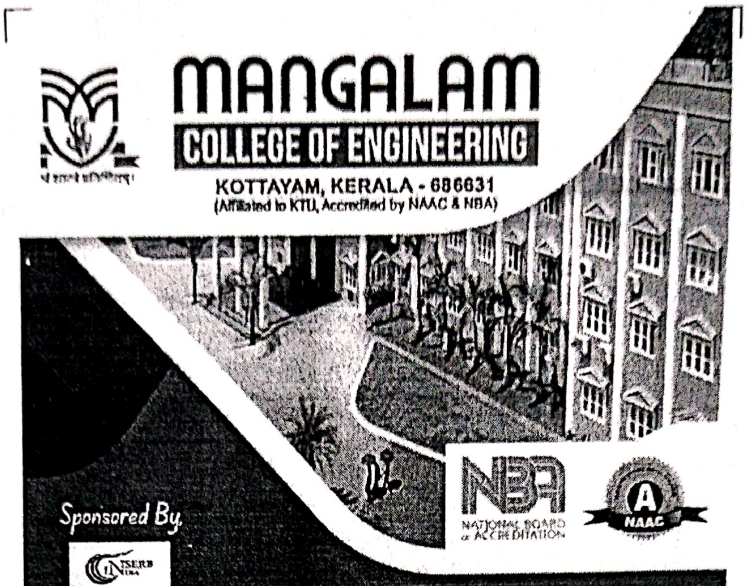

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CSIR-SERC,Chennai

GUEST OF HONOUR



Dr.Siau Chen Chian Darren
Professor, Department of Civil and Environmental Engineering, National University of Singapore

DATE : 02nd May 2024 | TIME : 9.30a.m. | VENUE : Digital Theatre, Mangalam campus

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PROGRAMME SCHEDULE

9.30 am	:	Prayer song (Ms. Ganga. R, Student, Department of Civil Engineering)
9.35 am	:	Welcome Address **Dr. D. Ramesh Kumar** (Head, Department of Civil Engineering, MLMCE)
9.40 am	:	Presidential Address **Dr. Biju Varghese** (Chairman,Mangalam Educational Society)
9.45 am	:	Principal's Address **Dr. Vinodh P Vijayan** (Principal, Mangalam College of Engineering)
9.50 am	:	Inaugural Address & Lighting the Lamp Smt. V. Vigneshwari IAS (District Collector, Kottayam)
10.00 am	:	Guest of Honour Address Dr.Siau Chen Chian Darren (Professor, Department of Civil and Environmental Engineering, National University of Singapore)
10.10 am	:	Guest of Honour Address Dr. S. Maheswaran (Senior Principal Scientist, CSIR-SERC)
10.20 am	:	Felicitations Ms. Neema George (Vice-Principal,Mangalam College of Engineering)
10.25 am	:	Releasing of ICSMEE'24 Proceedings Smt. V. Vigneshwari IAS (District Collector, Kottayam)
10.30 am	:	Honouring the Guests Ms. Toshma Biju Varghese (Chairperson, Mangalam Educational Society)
10.35 am	:	Vote of Thanks Dr. K. Arun Kumar (Organizing Chair, ICSMEE'24)
10.40 am	:	High Tea

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Department of Civil Engineering

ICSMEE' 24

INTERNATIONAL CONFERENCE ON SUSTAINABLE GOALS IN MATERIALS, ENERGY & ENVIRONMENT

02-03 May 2024

KEY NOTE ADDRESS SCHEDULE

02.05.2024		
Forenoon		
09.30am - 10.30 am	**Inaugural Ceremony**	
10.30 am -11.00 am	**Tea Break**	
11.00 am -11.30 pm	**Keynote Address**	
		**Dr. Darren Chian Siau Chen** Professor, Department of Civil and Environmental Engineering, National University of Singapore & Vice-president, Geotechnical Society of Singapore **Venue: Digital Theatre**
		**Dr. K Balan** National Executive Committee Member, Indian Geotechnical Society Member TC 107, International Society for Soil Mechanics & Geotechnical Engineering Retired Professor, CET, Trivandrum Former MD, Kerala State Coir Co-operation **Venue: Mechanical Seminar Hall**
11.30 pm –12.00 pm	**Keynote Address**	
		**Dr. S. Maheswaran,** Senior Principal Scientist, Advanced Materials Laboratory, CSIR-SERC, Chennai. **Venue: Digital Theatre**

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02-03 May 2024

		**Dr. Jayamohan J** Principal -LBS Institute of Technology for Women, Thiruvananthapuram & Secretary Indian Geotechnical Society, Trivandrum Chapter **Venue: Mechanical Seminar Hall**
12.00 pm – 1.15 pm	**Lunch Break**	
	Afternoon	
1.15 pm – 2.45 pm	**Keynote Address**	
		**Dr. Kuldeep Kumar Saxena** Professor and COD, Department of Research Impact and Outcome (LFTS) @ Division of Research & Development, Lovely Professional University, Punjab Topic: In-depth analysis on microstructural characterization of materials **Venue: Digital Theatre**
		Keynote Address (Online) **Ms. Meetali Bharti** Editor- Indian Journal of Engineering and Materials Sciences CSIR-NIScPR 14 Satsang Vihar Marg New Delhi **Venue: Mechanical Seminar Hall**

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INTERNATIONAL CONFERENCE ON SUSTAINABLE GOALS IN MATERIALS, ENERGY & ENVIRONMENT

02-03 May 2024

TECHNICAL PRESENTATION SESSION DETAILS

02.05.2024	
FN (9.30 am – 12.30 pm) Offline	Inauguration & Keynote Lectures

02.05.2024		
Session A-Offline	AN (1.00 pm – 5.00 pm) Offline	
No of papers to be presented: 30		
Delegates	Session A1 Cat: Materials (15)	Session A2 Cat: Energy, Environment & Advanced Interdisciplinary Approach (15)
Chair	Dr. A. Chithambar Ganesh Associate Professor, Vel.Tech Rangarajan Sagunthala Institute of R&D	Dr. R. Radhakrishnan Professor, MLMCE
Co-Chair	Dr.Swaminathan Assistant Professor, MLMCE	Ms. Silpa Caroline James Assistant Professor, MLMCE
Session In charge	Ms. Aksharamol G Raj Assistant Professor, MLMCE	Ms. Haritha M R Assistant Professor, MLMCE
Venue	Venue: CE Conference Hall	Venue: CSE Conference Hall

03.05.2024		
Session B-Online	FN (9.30 am – 12.30 pm) Online	
No of papers to be presented: 29		
Delegates	Session B1 Cat: Materials (10)	Session B2 Cat: Energy, Environment & Advanced Interdisciplinary Approach (10)
Chair	Dr. V. Premkumar Associate Professor, Mohan Babu University	Dr. R. Radhakrishnan Professor, MLMCE
Co-Chair	Mr. Sankar B Associate Professor, MLMCE	Ms. Sheeja T. V HoD/CE, KMCG Engineering College, Thalasseri.
Session In charge	Mr. Gokul P V Assistant Professor, MLMCE	Ms. Asha Jose Assistant Professor, MLMCE
Link	https://meet.google.com/vzx-guhf-vmf	https://meet.google.com/eay-nkhe-cto
Session C-Online	AN (12.30 pm – 4.00 pm) Online	
Delegates	No of papers to be presented: 17 Session C1 Cat: Materials (15)	Session C2 Cat: Energy, Environment & Advanced Interdisciplinary Approach
Chair	Dr. D. Ambika Associate Professor, Kongu Engineering College	Mrs. Rani V Associate Professor, Joint Secretary, IGS, Trivandrum.
Chair	Ms. Hanna Paul Assistant Professor, Saintgits College of Engineering (Autonomous), Kottayam	Ms. Salini Therasa Kurien Assistant Professor, MLMCE
Session In charge	Ms. Rakhi Sugunan Assistant Professor, MLMCE	Co-Chair: Ms. Aswathy Soman Assistant Professor, MLMCE
Link	https://meet.google.com/gqq-tepp-abu	https://meet.google.com/jbt-yshx-qij
4.00 pm -5.00 pm	Valedictory Session	Dr. Anil Joseph President, Indian Geotechnical Society (IGS)

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INTERNATIONAL CONFERENCE ON SUSTAINABLE GOALS IN MATERIALS, ENERGY & ENVIRONMENT
02-03 May 2024

DETAILED TECHNICAL PRESENTATION SCHEDULE

Session A1-Online	02.05.2024
Time	AN (1.00 pm – 5.00 pm) Offline
Chair Co-Chair	Dr. A.Chithambar Ganesh Mr. Sankar B
Session In charge & Contact Number	Ms. Aksharamol G Raj & Mrs.Reni Kuruvilla 8078568194
Venue	CE Conference Hall

S.No	Paper ID	Paper Title	Author Name	Time
1.	50	Experimental study on Flexural strength of Slurry Infiltrated Fibrous Concrete (SIFCON) produced with various percentages of waste steel fibers recovered from used tires	RAVI PENDA PRASAD	1.00
2.	108	Evaluation of Pozzolanic activity and lime reactivity of fly ash, GGBS, mica powder and pumice as binders.	Iranganti Venkata Ranga Ramanujam	1.15
3.	213	A tribological investigation of AA6061 + SiC + Gr with varying CeO2 using pin on disc	YEDHU U KRISHNAN	1.30
4.	214	Synthesis, characterization and catalytic study of copper complex with 1,10-Phenanthroline derivative	Krishnendu A	1.45
5.	274	Synthesis, Characterization and Pharmacological applications of transition metal complexes from pyrrole derivatives.	Gokul G	2.00
6.	205	Correlation of Mechanical and Durability Properties of Binary and Ternary Blended High – performance Concrete	sreelekshmi G	2.15
7.	208	Comparative Study on the Performance of One Part and Two Part Geopolymer Concrete	SETHULAKSHMI B L	2.30
8.	210	Experimental Study on Partial Replacement of Fine Aggregate in Concrete by Waste Tyre Rubber and Cement by Fly ash	AJITH THOMAS	2.45
9.	211	Experimental Study on Rubberized Geopolymer Concrete with Sugarcane Bagasse Ash	J ISS DOMINIC	3.00
10.	260	Experimental behaviour of hybrid fiber reinforced low calcium ferro geopolymer paver block	Therassa Michael	3.15
11.	219	Experimental Study On Steel Fiber Reinforced Concrete Modified With Egg Shell Powder And Nano Silica	Parvathy Rajeev	3.30
12.	223	Review of Mechanical, Durability, and Thermal properties of Light weight concrete containing cenosphere	Sankar Boomibalan	3.45
13.	247	Utilization Of Cockle Shell Ash, Sea sand And Plastic Waste In The Manufacture Of Paver Blocks	Silpa Caroline James	4.00
14.	248	Advancement of Concrete by Partially Replacing Cement by Zeolite & Fine Aggregate by Glass Powder	AKSHARAMOL G RAJ	4.15
15.	249	Rubber fibre reinforced geopolymer concrete with silica fumes as a replacement for fine aggregate	Nimisha Annie Abraham	4.30
16.	253	Guar Gum, Gellan Gum Biopolymer Soil Stabilization	Mita Ann Zachariah	4.45

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INTERNATIONAL CONFERENCE ON SUSTAINABLE GOALS IN MATERIALS, ENERGY & ENVIRONMENT

02-03 May 2024

Session B1-Online	03.05.2024
Time	FN (9.00 pm – 1.00 pm) Online
Chair	Dr. V. Premkumar
Co-Chair	Mr. Sankar B
Session In charge & Contact Number	Mr. Gokul P V & Mrs. Silpa Caroline James 7293311669
Link	https://meet.google.com/vzx-guhf-vmf

S.No	Paper ID	Paper Title	Author Name	Time
1.	2	Mechanical Energy harvester for sustainable development towards green environment	Ramesh Chandra Nayak	9.00
2.	6	The Current State of Research in the Field of Obtaining Semiconductor Materials and Prospects for Development	Dilmurod Shukurov	9.15
3.	10	Experimental Investigation on Silica Fume and Metakaolin in Self-Curing Concrete	K Vijay Sankar	9.30
4.	13	Incorporation of Silica fume and Metakaolin to improve the Durability properties in Self-curing concrete	M Priyanka	9.45
5.	26	Evolution And Studies On Graphene Oxide In Concrete	Ramana I shri	10.00
6.	27	Analytical And Experimental Study On Walking Column	Keerthana p Padmanaban	10.15
7.	30	Forecasting Mechanical Properties of Geopolymer Concrete Modified with Polypropylene Fiber Using Machine Learning Techniques	Saseetharan D	10.30
8.	44	Research on the Impact of Bentonite Cation Exchange Capacity Variation on Its Adsorption Activity towards Various Adsorbates	Nozim Mamataliyev	10.45
9.	47	Rheological characterization of bitumen emulsion residue with Multiple stress creep and recovery test by dynamic shear rheometer	Dharmaraj P	11.00
10.	48	Response surface and Artificial Neural Network approach for Optimization and Kinetic study of Acid Blue 113 (AB 113) degradation using Fe-N-TiO2 under visible light.	dhegam srujana	11.15
11.	56	Green Synthesis Silver Nanoparticles using Quercus infectoria Gall for Ammonia Detection	Oka Shinta Sekar Kirana	11.30
12.	61	RETROFITTING OF THERMALLY AFFECTED STRUCTURAL COMPRESSION MEMBER USING BASALT FRP LAMINATES	Venkat Raman S	11.45
13.	63	INVESTIGATION ON MECHANICAL PROPERTIES OF SELF-CONSOLIDATING CONCRETE CONTAINING SLAG AGGREGATE	S. Vinoth	12.00
14.	67	Experimental Investigation on Beam with Composite Reinforcement Using Mild Steel Tube In-Filled with Crumb Rubber	Kavninkumar V	12.15
15.	135	Effect of mineral filler content on bituminous mastics	KLAV HARNADH	12.30
16.	174	Emergy approach to evaluate ecological implication of brick clay mining from paddy fields of kerala	Bincy S	12.45

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Kottayam, Kerala
Department of Civil Engineering

ICSMEE

ICSMEE' 24

INTERNATIONAL CONFERENCE ON SUSTAINABLE GOALS IN MATERIALS, ENERGY & ENVIRONMENT

02-03 May 2024

Session B1-Online	03.05.2024
Time	FN (9.00 pm – 1.00 pm) Online
Chair Co-Chair	Dr. V. Premkumar Mr. Sankar B
Session In charge & Contact Number	Mr. Gokul P V & Mrs. Silpa Caroline James 7293311669
Link	https://meet.google.com/vzx-guhf-vmf

S.No	Paper ID	Paper Title	Author Name	Time
1.	2	Mechanical Energy harvester for sustainable development towards green environment	Ramesh Chandra Nayak	9.00
2.	6	The Current State of Research in the Field of Obtaining Semiconductor Materials and Prospects for Development	Dilmurod Shukurov	9.15
3.	10	Experimental Investigation on Silica Fume and Metakaolin in Self-Curing Concrete	K Vijay Sankar	9.30
4.	13	Incorporation of Silica fume and Metakaolin to improve the Durability properties in Self-curing concrete	M Priyanka	9.45
5.	26	Evolution And Studies On Graphene Oxide In Concrete	Ramana I shri	10.00
6.	27	Analytical And Experimental Study On Walking Column	Keerthana p Padmanaban	10.15
7.	30	Forecasting Mechanical Properties of Geopolymer Concrete Modified with Polypropylene Fiber Using Machine Learning Techniques	Saseetharan D	10.30
8.	44	Research on the Impact of Bentonite Cation Exchange Capacity Variation on Its Adsorption Activity towards Various Adsorbates	Nozim Mamataliyev	10.45
9.	47	Rheological characterization of bitumen emulsion residue with Multiple stress creep and recovery test by dynamic shear rheometer	Dharmaraj P	11.00
10.	48	Response surface and Artificial Neural Network approach for Optimization and Kinetic study of Acid Blue 113 (AB 113) degradation using Fe-N-TiO2 under visible light.	dhegam srujana	11.15
11.	56	Green Synthesis Silver Nanoparticles using Quercus infectoria Gall for Ammonia Detection	Oka Shinta Sekar Kirana	11.30
12.	61	RETROFITTING OF THERMALLY AFFECTED STRUCTURAL COMPRESSION MEMBER USING BASALT FRP LAMINATES	Venkat Raman S	11.45
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INTERNATIONAL CONFERENCE ON SUSTAINABLE GOALS IN MATERIALS, ENERGY & ENVIRONMENT

02-03 May 2024

Session A2-Offline	02.05.2024
Time	AN (1.00 pm – 5.00 pm) Online
Chair Co-Chair	Dr. R. Radhakrishnan Ms. Silpa Caroline James
Session In charge & Contact Number	Mrs. Karthika S Nair & Mrs. Haritha 8136944065
Venue	CSE Conference Hall

S.No	Paper ID	Paper Title	Author Name	Time
1.	246	Unscrambling traffic congestion and increasing sustainability in special urban intersection	Radhakrishnan R	1.00
2.	252	PREDICTION OF STREAMFLOW IN RIVER BASIN -USING ANN	Reni Kuruvilla	1.15
3.	263	Study of Quartz sand and Sawdust in Pavement Construction	Rakhi Sugunan	1.30
4.	264	EXPERIMENTAL INVESTIGATION ON CONCRETE USING POLYPROPLENE FIBRE	Geethu Lal	1.45
5.	265	UTILIZATION OF WASTE POLYTHENE IN BITUMEN	Asha Jose	2.00
6.	266	DURABILITY AND MECHANICAL PROPERTIES OF BASALT FIBRE REINFORCED CONCRETE WITH BENTONITE	Haritha M R	2.15
7.	268	EXPERIMENTAL STUDY OF BITUMINOUS MIXTURE USING BAKELITE POWDER AND SYNTHETIC NITRILE RUBBER POWDER	AKSHARAMOL G RAJ	2.30
8.	269	Experimental Study on Behavioural Properties of Fiber-Reinforced Canvas Concrete Containing Jute Fiber	SREENATH V R	2.45
9.	270	Experimental investigation on soil stabilization using hybrid conditions of Sawdust ash and Quarrydust	Amritha Baby	3.00
10.	271	Soil stabilization using coffee grounds and fly ash	Karthika S Nair	3.15
11.	272	Investigation of enhanced landfill liners using kuttanand clay	ABHIJITH A.N	3.30
12.	261	Experimental Study on the Behavior of One Part Geopolymer Concrete Using Natural Binders and Activators	Gokul P V	3.45
13.	262	An Experimental Study on Performance of Two Part Geopolymer Concrete Using Natural Binders and Activators.	Gokul P V	4.00
14.	259	Investigation On Feasibility of Utilizing Coffee- Husk Ash As An Alkaline Activator In Geopolymer Concrete	Elizabeth Thomas	4.15

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02-03 May 2024

Session B1-Online	03.05.2024
Time	FN (9.30 pm – 1.00 pm) Online
Chair Co-Chair	Dr. R. Radhakrishnan Ms. Rinitha P
Session In charge & Contact Number	Ms. Asha Jose & Ms. Nimisha 9539729901
Link	https://meet.google.com/eay-nkhe-cto

S.No	Paper ID	Paper Title	Author Name	Time
1.	14	Estimation of Geomorphological characteristics of Rapti River Basin Using Geospatial Technologies	AMIT VERMA	9.00
2.	18	Improving Fire Resistance in E-Vehicles: A Study on MPP-Enhanced S-Glass/Phenolic Hybrid Composites	GIRIMURUGAN R RAMASAMY	9.15
3.	28	Bracing the values of Religious Heritage sites through Sustainable Tourism Development in Varanasi.	FATHIMA NIDHA A S	9.30
4.	36	Solar Driven Hydrogen and Oxygen Production For Cooking And Medical Applications	Joyal Jomon	9.45
5.	51	Voltage Source Converter based High Voltage Direct Current Transmission: A Comprehensive Review	MANOHAR GANGIKUNTA	10.00
6.	59	A generative approach to explore residential urban form potential based on environmental performance for energy efficiency	Foram Viral Bhavsar	10.15
7.	64	Design and Implementation of Arduino-based Intelligent Emergency Ambulance and Traffic Management System	Murugan A.S.S.	10.30
8.	92	A Multi-Objective Approach to Hybrid Renewable Energy Systems: Cascading Hydropower for Solar and Wind Variability Compensation	GIRIMURUGAN R RAMASAMY	10.45
9.	120	Optimizing Thermal Performance in Parabolic Trough Solar Power Systems: An Experimental Design and Analysis	GIRIMURUGAN R RAMASAMY	11.00
10.	121	Examining the Combination of a Parabolic Solar Collector with Phase Change Material (PCM) in Solar Distillation	GIRIMURUGAN R RAMASAMY	11.15
11.	122	Eco-Friendly Waste Management: A Segregation and Composting System for Domestic Use	GIRIMURUGAN R RAMASAMY	11.30
12.	123	Experimental Analysis of Alternate Refrigerant Mixtures in Refrigeration System	GIRIMURUGAN R RAMASAMY	11.45
13.	127	Development and Evaluation of a Small-Scale Organic Rankine Cycle for CSP Integration	GIRIMURUGAN R RAMASAMY	12.00

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02-03 May 2024

Session BI-Online	03.05.2024
Time	AN (12.00 pm – 4.00 pm) Online
Chair Co-Chair	Dr. D.Ambika Ms. Hanna Paul
Session In charge & Contact Number	Ms. Rakhi Sugunan & Ms. Geethu Lal 9496141547
Link	https://meet.google.com/gqq-tepp-abu

S.No	Paper ID	Paper Title	Author Name	Time
1.	133	Sustainable Self-Healing Concrete: Characterization of the microbiologically enhanced performance in cement-based materials	Srinivasa Reddy Vempada	12.00
2.	134	Experimental investigation on stone mastic asphalt using abaca fiber and brick dust	Miryala Vijayakumar	12.15
3.	54	Experimental investigation on concrete in which cement is replaced with coffee husk ash	B DILEEP KUMAR REDDY	12.30
4.	147	Interaction of marine brown seaweed gel additive in the mechanical and long-term properties of concrete	Murugappan V	12.45
5.	155	A Review on NSM-CFRP Method for Enhancing Shear Capacity in Reinforced Concrete Deep Beams	sumifaney@gmail.com	1.00
6.	170	Mechanical and durability evaluation of concrete incorporating dredged marine sand as a partial replacement for fine aggregate	VINOTHKUMAR K	1.15
7.	172	Material management in automobile industry: era 4.0	SURYATEJ S KUMAR	1.30
8.	187	3D printed concrete using Portland pozzolana cement-flyash based	Mohamed Ibrahim A	1.45

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02-03 May 2024

Session B1-Online	03.05.2024
Time	AN (12.00 pm – 4.00 pm) Online
Chair	Mrs. Rani V
Co-Chair	Ms. Salini Therasa Kurien
Session In charge & Contact Number	Ms. Mitta Ann & Ms. Aswathy Soman 8078314582
Link	https://meet.google.com/jbt-yshx-qij

S.No	Paper ID	Paper Title	Author Name	Time
1.	137	Modelling of gap acceptance for evaluation of traffic flow characteristics at unsignalized intersection	Maligi Durga	12.00
2.	143	Remediation of waste water through natural coagulants such as lemon and banana peel	HARITHA M	12.15
3.	145	Comparative analysis of subjective and objective techniques for criteria weighing in the assessment of groundwater quality	Sudhakar Singha	12.30
4.	162	Enhancing Wind Energy Potential Assessment with Three-Parameter Weibull Distribution: A Comparative Analysis using MATLAB	GIRIMURUGAN R RAMASAMY	12.45
5.	188	Evaluation of Groundwater Quality and its Suitability for Drinking Purposes in the Puducherry District Coastal Region, Puducherry, India.	Rajakannan C	1.00
6.	192	Cutting Fluid pH Value Maintenance in CNC Machine by Arduino Nano	GIRIMURUGAN R RAMASAMY	1.15
7.	196	Experimental Investigation and CFD Analysis of Wind Turbine Blades with Different Attack Angles	GIRIMURUGAN R RAMASAMY	1.30
8.	195	Comparative study on various properties of paver block produced from municipal plastic wastes	dharun M mohankumar	1.45
9.	207	Effect of mineral admixtures on the performance of self compacting geopolymer concrete	Kishore S Kumar	2.00

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INTERNATIONAL CONFERENCE ON SUSTAINABLE GOALS IN MATERIALS, ENERGY & ENVIRONMENT

02 & 03rd May 2024

Valedictory Ceremony Invitation



Dr. Anil Joseph
President, Indian Geotechnical Society (IGS)

Schedule

Time	Program
3.30 P.M – 3.35 P.M	Welcoming the guest by Dr.K.ARUNKUMAR
3.35 P.M – 4.00 P.M	Valedictory Speech by **Dr. Anil Joseph** President, Indian Geotechnical Society (IGS)
3.15 P.M – 3.30 P.M	Vote of Thanks

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ICSMEE '24

2024



Proceedings of

DST-SERB Sponsored

Fourth International Conference on

Sustainable Goals in Materials, Energy and Environment

02 & 03 May 2024

Organized by

Department of Civil Engineering,

Mangalam College of Engineering,

Kottayam, Kerala.

Editors

Dr. K. Arunkumar

Dr. D. Ramesh Kumar

Dr. P. Swaminathan

Mr. B. Sankar

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International Conference on Sustainable Goals in Materials, Energy and Environment (ICSMEE'24)

Report

The Fourth Edition of International Conference on Sustainable Goals in Materials, Energy and Environment (ICSMEE'24) was held at department of civil engineering, Mangalam College of Engineering, Kottayam, Kerala on 02 & 03 May 2024. ICSMEE 2024 serves as a vital platform for us to exchange ideas, share insights, and collaborate on innovative solutions that will drive sustainable progress in materials, energy, and the environment. First, ICSMEE'24 was started with an idea of fostering the new innovations of researchers around the globe and we have framed the objectives and outcome. This conference provides a platform for the researchers to exchange ideas, share insights, and collaborate on innovative solutions that will drive sustainable progress in materials, energy, and the environment. The theme of ICSMEE'24 focused on addressing global challenges related to materials, energy, and the environment through interdisciplinary approaches. The theme tracks of this conference are., (i) Reutilization of materials and new advanced materials, (ii) Reduction of Energy Utilization, (iii) Reproduction of Eco-friendly Environment (iv) Advanced Interdisciplinary Approaches. The main objectives of this ICSMEE'24 is to

- Foster efficient collaboration among researchers, practitioners, policymakers, and industry professionals in the field of sustainable materials, energy, and environment.
- Explore innovative approaches and technologies for achieving sustainability goals in materials production, energy generation, and environmental conservation.
- Discuss the latest research findings, trends, and challenges related to sustainable development in materials, energy, and environmental sectors.
- Identify opportunities for interdisciplinary research and cross-sector partnerships to address complex sustainability issues.
- Showcase successful case studies, best practices, and initiatives promoting sustainability in materials, energy, and environmental domains.
- Promote knowledge exchange and networking to enhance the capacity for sustainable development worldwide.
- Encourage the integration of sustainability principles into educational curricula, professional practices, and policy frameworks.
- Facilitate the dissemination of cutting-edge research outcomes and practical solutions for advancing sustainable goals globally.

The call for papers on the above-mentioned theme tracks and the selected papers are to be published in SCOPUS indexed journal based on the research expertise. We received an impressive 342 submissions from researchers and scholars across different countries, reflecting the growing interest and commitment to sustainability in today's world. Each paper underwent a rigorous peer-review process, ensuring the quality and relevance of the contributions included in these proceedings. After evaluation by our reviewers and panel members, we've selected 148 papers based on their quality and relevance. The papers included in these proceedings cover a wide range of topics, from sustainable materials development and renewable energy technologies to environmental conservation strategies and policy frameworks.

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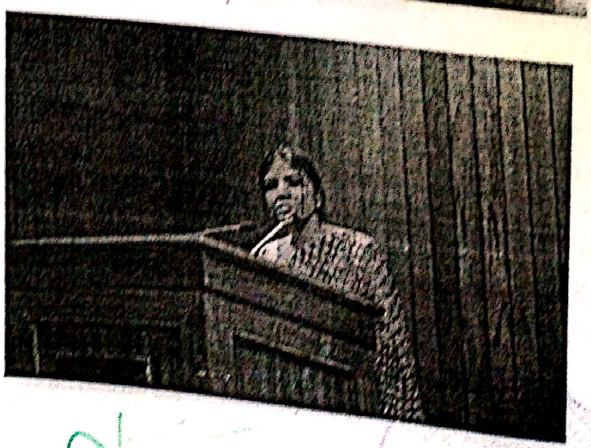
Our ICSMEE'24 was sanctioned with Rs.85,000/- as a financial support for organizing the conference from DST-SERB (Department of Science and Technology, Science and Engineering Research Board). Also, Indian Concrete Institute, Cochin Division, Bore Tech Services, and EL CASTILO Constructions gave their financial support for smooth conduction of ICSMEE'24.

The ICSMEE'24 was inaugurated by the chief guest **Smt. V. Vigneswari I.A.S.**, District Collector of Kottayam. **Dr. Siau Chen Chian Darren,** Professor, Department of Civil and Environmental Engineering, National University of Singapore and **Dr. S. Maheswaran** from CSIR-SERC, Chennai was honoured as a guest of honour of our ICSMEE'24. Further, **Dr. J. Jayamohan**, Principal of LBS Institute of Technology for Women, Trivandrum, **Dr. Kuldeep Kumar Saxena,** Professor and Head, Division of Research & Development, Lovely Professional University, Punjab; and **Dr. K. Balan,** Retired Professor from CET, Trivandrum have shaired their research expertise through the keynote sessions. The best 113 articles have been published in E3S web of conferences within 25 days of conference and indexed in Google Scholar, SCOPUS and, Web of Science, etc.,









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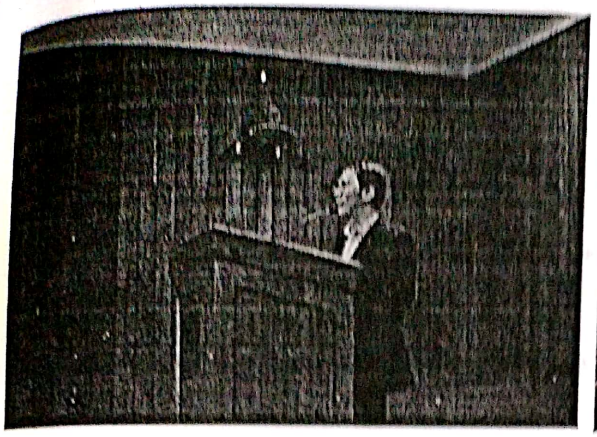



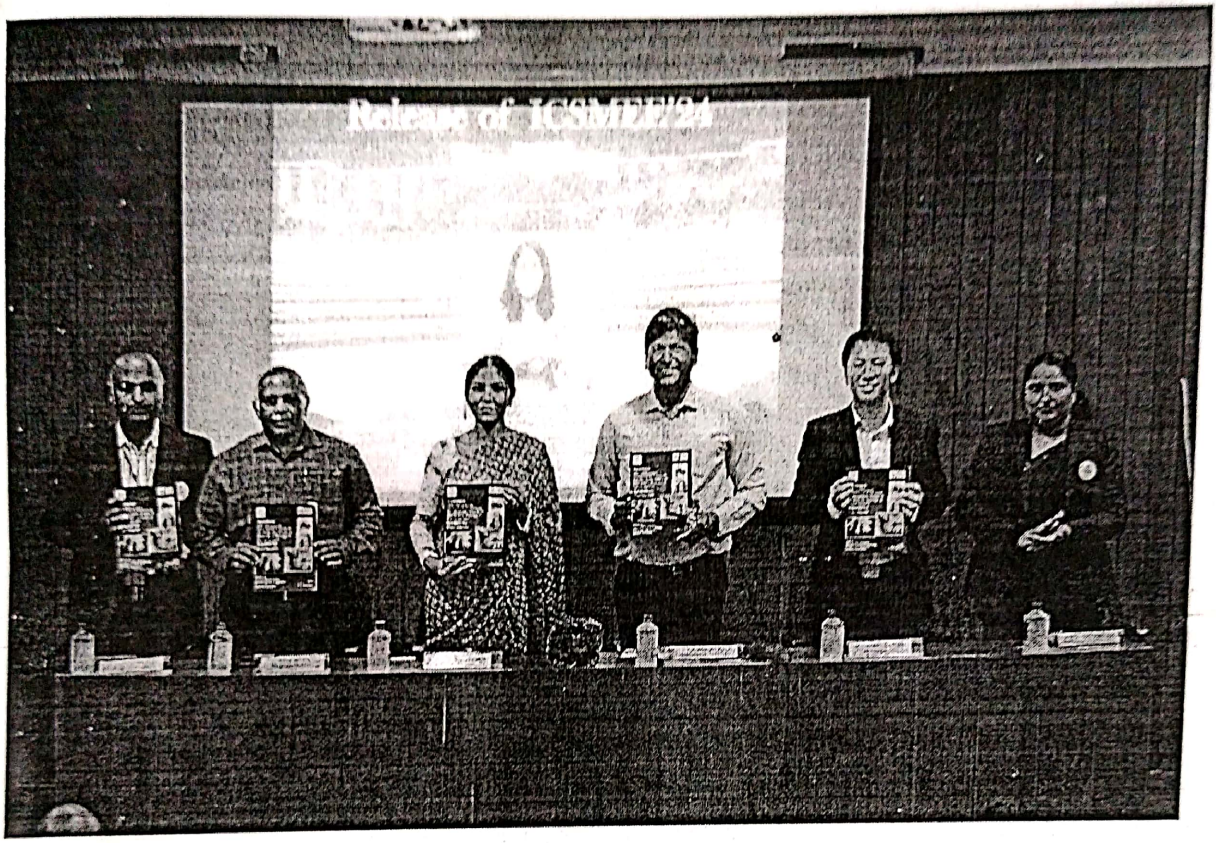



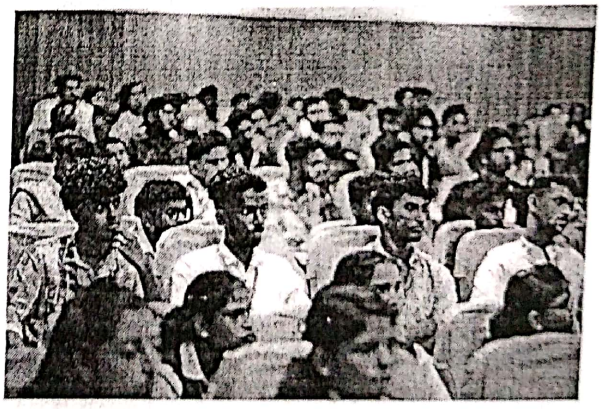

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The success of ICSMEE'24 would not have been possible without the dedication and support of numerous individuals and organizations. We extend our heartfelt gratitude to all keynote speakers, session chairs, authors, reviewers, and participants for their invaluable contributions and active participation. Special thanks to the organizing committee members, volunteers, and sponsors for their hard work and commitment in organizing this conference. We are also grateful to the scientific community, academic institutions, and industry partners for their continued collaboration and support. We hope that the papers presented in these proceedings will inspire further research, collaborations, and innovations in the quest for a more sustainable future.

Dr.K.Arunkumar
Organizing Chair, ICSMEE'24

Dr. D. Ramesh Kumar
HoD, CE

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4th International Conference on Sustaianble Goals in Materials, Energy and Environment (ICSMEE'24)

02-03 May 2024

STATEMENT OIF EXPENDITURE

INCOME:

S.No	Category	Amount
1.	Paper Registration	10,71,483
2.	DST-SERB Financial Support	85,000
3.	Sponsorship by Bore Tech Pvt.Ltd	5,000
4.	Indian Concrete Institute Sponsorship	10,867
5.	Interest for Paper Registration	5,408
	Total	**11,77,758**

EXPENSES:

S.No	Category	Amount
1.	Remuneration for guests (4 Guests) Dr.Kuldeep Kumar Saxena – Rs.5000 Dr.S.Maheswaran-Rs.5000 Dr.J.Jayamohan – Rs.4000 Dr.K.Balan-Rs.4000	19,000
2.	Remuneration for session chairs (Rs.3000*6)	18,000
3.	Hospitality for chief guests (3 Rooms x 3Nights)	20,435
4.	Brochure Designing and Printing	7,000
5.	Momento for chief guests	15,270
6.	Fuel Charges & Cabs for guests Guest Pickup & Drop-Rs.6600 Driver-Rs.500	7,100
7.	Travel allowances for guests Dr.Darren – Rs.24855 Dr.Kuldeep-Rs.12937 Dr.Maheswaran - Rs.3288 Dr.K.Balan - Rs.2000 Dr.Jayamohan-Rs.400.	43,480

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8.	Lunch & Other Expenses	30,290
9	ICSMEE Proceedings publication in E3S (5246 Eur)+Rs.3000	4,74,650 Approx
10.	Bag	4,000
11.	Decorative Flowers & Guest Welcome	4,575
12.	Snacks for Guest	4,169
13.	Stage Decoration	2,600
14.	Welcome Board (Flux)	2,400
15.	Stationery Items	1,580
16.	Local Hospitality for Guest	7,234
17.	Sight seeing Vagamon	8,500
	Total	**6,70,283**

Summary

S.No	Category	Amount
1.	Total Income	11,77,758
2.	Total Expenses	6,70,283
	Balance	5,07,475

Organizing Secretary

03/07

Convenor/HoD, CE

Principal

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Mob: +91-9400281133, +91-9947472025, +91-9495224499

Email: iccidt@mangalam.in

web: https://www.mangalam.ac.in/iccidt24

6th International Conference on Computational Intelligence and Digital Technologies (ICCIDT-2K24)

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Affiliated to APJ Abdul Kalam Technological Univ

Phone: +91-9895010120, +91-9567480120

Website: https://www.mangalam.ac.in

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ABOUT THE COLLEGE

The Mangalam Educational Institutions, Ettumanoor was founded by late Mr. M.C Varghese. Mangalam College of Engineering (NBA and NAAC accredited) is one of the institutions under the Educational Society which started functioning from the year 2002. The various blocks are spread over 25 acres with a built-up area of about 160000 sq. meters. Mangalam College of Engineering offers B.Tech., M.Tech., and Ph.D. programmes in different disciplines.

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering at Mangalam College of Engineering was established in 2002 to meet the challenges of higher education, research, and innovation in key areas of Computer Technology. The department is equipped with wifi enabled excellent laboratories and a library to carry out research projects. The department aims to develop computer and software engineers who are industry-ready, innovative, and entrepreneurial to become global leaders in research and technology.

Vision: To become centre of excellence in computing and research where future generations embrace technologies wholeheartedly and use their possibilities to make the world a better place to live.

Mission: Enlight the young talents to achieve academic excellence as well as professional competence by imparting state-of-the-art knowledge in computingand to be admirable individuals with ethical values and appropriate skills.

Program Educational Objectives (PEO)

PEO 1: The Graduate will have a strong foundation and profound knowledge in computing and allied engineering and be able to analyze the requirements of real-world problems, design and develop innovative engineering solutions, and maintain them effectively in the profession.

PEO 2: The Graduate will adapt to technological advancements by engaging in higher studies, lifelong learning, and research, thereby contributing to the computing profession.

PEO 3: The Graduate will foster team spirit, leadership, communication, ethics, and social values, which will lead to applying the knowledge of the societal impacts of computing technologies.

CONFERENCE THEME

ICCIDT 2k24 aims to explore Computational Intelligence and Digital Technologies in a wide rangein the form of presentations and discussion with eminent personalities in terms of experience and expertise.

Call for Papers

All Papers related to Computational Intelligence and Digital Technologies are invited as detailed but not limited to

- Artificial Intelligence & Robotics
- Big Data Analysis & Cloud Computing
- Datamining & Warehousing
- Digital Signal & Image Processing
- Data Compression & Multimedia Techniques
- E-learning & Internet of Things
- Embedded System & Machine Learning
- Grid Computing & Web Technologies
- Network Security
- Mobile Computing & Wireless Communication

The conference will be conducted in Hybrid mode

IMPORTANT DATES

Manuscript Submission deadline: 15th April 2024

Acceptance notification: 26th April 2024

Registration: 26th April to 27th April, 2024

Camera ready copy: 29th April, 2024

Conference Date: 3rd and 4th May, 2024

Submission Procedure

- Submission should be an original contribution and should not have been presented, published, or under review elsewhere.
- **Paper template can be downloaded from:** https://www.mangalam.ac.in/iccidt24
- The softcopy of the full manuscript should be submitted through Microsoft CMT: https://cmt3.research.microsoft.com/ICCIDT2024

REGISTRATION FEE DETAILS

Type of Participants	Indian	Foreign
UG/PG Students	₹ [illegible]	US$ [illegible]
Research Scholar	₹ 12000/-	US$ 140
Academicians & Industry Delegates	₹ 12500/-	US$ 150

Note: Payment details and registration form will be given after completing the peer-review process.

PUBLICATIONS

- Selected papers will be published in the Scopus-indexed journal BJIT - International Journal of Information Technology, Published by Springer Nature (https://bvicam.ac.in/bjit/)
- All remaining accepted, registered, and presented papers will be published in Scopus-indexed AIP conference proceedings (https://www.scopus.com/sourceid/26916)

KEYNOTE SPEAKERS

Dr. Jeane Marina D'Souza
Visiting Professor, School of Engineering and IT, Manipal Academy of Higher Education, Dubai International Academic City, Dubai, UAE.

Mr. Manuel
Privacy Specialist
Central Data Protection Office of Scania
Head Quarters, Sweden

Dr. K.N. Manjunath
Associate Professor
Dept. of CS&E Manipal Institute of Technology, Manipal, Karnataka, India

Dr. P. Victer Paul
Assistant Professor,
Department of Computer Science and Engineering, Indian Institute of Information Technology, Kottayam, Kerala, India

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Kerala-[illegible]

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MANGALAM COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

International Conference on Computational Intelligence and Digital Technology

ICCIDT 2K24

26/6/24.

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DEPT.OF COMPUTER SCIENCE AND ENGINEERING

Inaugural Ceremony Of

INTERNATIONAL CONFERENCE ON COMPUTATIONAL INTELLIGENCE AND DIGITAL TECHNOLOGY

Chief Guest



Dr.Sujesh Sreedharan
Engineer-G,
Sree Chitra Tirunal Institute of Medical Sciences and Technology.

Speaker



Mr.Manuel
Privacy Specialist,Central Data Protection office of Scania, Sweden

Speaker



Dr.Victer Paul
Assistant Professor,
Department of CSE, IIIT Kottayam.

3rd May,2024 | 09:30 am | Digital Theatre

Live On

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MANGALAM COLLEGE OF ENGINEERING

Department Of Computer Science & Engineering

6th International Conference on Computational Intelligence And Digital Technology

PROGRAM SCHEDULE

DATE AND TIME:3 RD MAY 202
FRIDAY,10:00AM
VENUE : DIGITAL THEATRE, ML

09:30 am : Invocation
Ms.Ashika P.E, CSE S8 Student

09:35 am : Welcome Address
Ms. Neema George,
HOD,CSE,MLMCE.

09:45 am : Presidential Address
Dr. Vinodh P Vijayan,
Principal, MLMCE.

10:00 am : Inauguration and Inaugural address
Dr. Sujesh Sreedharan,
Engineer-G,
Sree Chitra Tirunal Institute of Medical Sciences and Technology.

10:05 am : Release of Conference proceedings
Dr. Sujesh Sreedharan,
Engineer-G,
Sree Chitra Tirunal Institute of Medical Sciences and Technology.

10:10 am : Keynote address I
Dr. P. Victer Paul,
Assistant Professor, Department of CSE,
IIIT Kottayam.

10:30 am : Honoring of Guest
Ms Toshma Biju Varghese,
Chairperson, Mangalam Educational Institutions

10:35 am : Vote Of Thanks
Dr. Sabu George,
Conference Chair, ICCIDT 2K24.

SESSION - II

10:45 am : Keynote address II
Mr. Manuel,
Privacy Specialist, Central Data Protection office of Scania, Sweden

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MANGALAM COLLEGE OF ENGINEERING

Department of Computer Science & Engineering

International Conference on Computational Intelligence and Digital Technology (ICCIDT 2K24)

COMMITTEE

Date: 3rd & 4th May 2024

Chief Patron	Dr.Biju Varghese Chairman,Mangalam Educational Institution.
Patron	Dr. Vinodh P Vijayan, Principal,MLMCE
Organizing Chair's	Dr.Sabu George
Organizing Secretaries	Ms.Neema George
	Ms.Neethu Maria John
	Ms.Sijimol A S
	Ms.Jinu P Sainudheen

Committee Name	Responsibilities	Members
Organizing Secretaries	• Program schedule preparation • Venue arrangements (online/offline) • Refreshment for Guest's/Participant's /Students/Staff • Lunch arrangements	1. Ms.Neema George 2. Ms.Neethu Maria John 3. Sijimol A S 4. Ms.Jinu P Sainudheen
Inaugural Committee	• Venue Arrangement • Comparing	1. Ms.Sruthy Emmanuel 2. Ms Merlin Mary James 3. Ms.Anjumol Zachariah

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Registration Committee	• Collection of participant details • Fee Collection	1. Ms.Merlin Mary James 2. Ms.Roja Thomas 3. Ms.Renju Renjith
Publicity Committee	• Brochure design and dispatching through e-mail • Publicity through Newspaper and other digital medias	1. Mr.Jayakrishnan B 2. Ms.Raihanath
Website & Journal Publication Committee	• Website creation • Conference Proceeding preparation • Manuscript publication in Scopus approved Journals	1. Dr.Sabu George 2. Dr.Sahaya Kingsly
Publication Committee	• Review the manuscripts supporting with subjectexperts • Collect the review status from experts • Finally handover to registration committee. • Camera ready Paper handover to publicationcommittee. • Identify Keynote Speakers	1. Dr.Sabu George 2. Dr. S P Pradeep Kumar 3. Dr. Sahaya Kingsly 4. Dr.S Padmalal 5. Ms.Jinu P Sainudeen
Certificate Committee	• Certificate creation for the participants / session chairs/staff • Certificate (Softcopy/Hardcopy) distribution to all participants/ session chairs/staff	1. Ms.Devi Gopal 2. Ms.Chintu Mary 3. Ms.Nayana N Panikar
SponsorshipCommittee	• Collect fund from well-wishers	1. Ms.Athira S Nath 2. Mr.Anoop T Sasidharan
Finance Committee	• Collect money from Registration / Sponsorship committee & department • Distribute money to different committees based on their written request approved by Conference Chair's • Maintain account properly	1. Ms.Neema George

Note: First person in each committee should act as coordinator.

Conference Chair

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

INSTALLATION AND INAUGURATION OF ICCIDT 2K24 REPORT

Date & Time : 3rd & 4th May, Friday-Saturday, 10:00AM

Venue: Digital Theatre, Mangalam College of Engineering

Conference Chair: Prof. Dr. Sabu George

Conference Organizing Secretary : Ms. Neema George

Conference Coordinator Student: Ms. Adithya Pradeep - S8 A, Ms. Sneha v Binu - S8 B

The 6th International Conference on Computational Intelligence and Digital Technology (ICCIDT 2K24) was held on 3rd May 2024, at 10:00 AM in the Digital Theatre of Mangalam College of Engineering (MLMCE) Organized by the Department of Computer Science & Engineering, the event commenced with an invocation by Ms. Ashika P.E, a CSE S8 student. This was followed by a welcome address from Ms. Neema George, the Head of the Department of Computer Science & Engineering, who officially opened the conference. Dr. Vinodh P Vijayan, Principal of MLMCE, delivered the presidential address, setting the tone and expectations for the conference.

Dr. Sujesh Sreedharan, Engineer-G at Sree Chitra Tirunal Institute of Medical Sciences and Technology, inaugurated the event and delivered the inaugural address. He also released the conference proceedings, marking the official documentation and commencement of the event's academic contributions. The first keynote address was given by Dr. P. Victer Paul, Assistant Professor in the Department of Computer Science & Engineering at IIIT Kottayam, who shared insights on contemporary issues and advancements in computational intelligence and digital technology.

The event continued with the honoring of the guests by Ms. Toshma Biju Varghese, Chairperson of Mangalam Educational Institutions. Dr. Sabu George, Conference Chair for ICCIDT 2K24, extended a vote of thanks, expressing gratitude to all participants, speakers, and organizers. The second session featured a keynote address by Mr. Manuel, a Privacy Specialist from the Central Data Protection office of Scania, Sweden, focusing on data protection and privacy in the digital age.

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Chief Guest



Dr.Sujesh Sreedharan
Engineer-G,
Sree Chitra Tirunal Institute of Medical Sciences and Technology.

Speaker



Mr.Manuel
Privacy Specialist,Central Data Protection office of Scania, Sweden

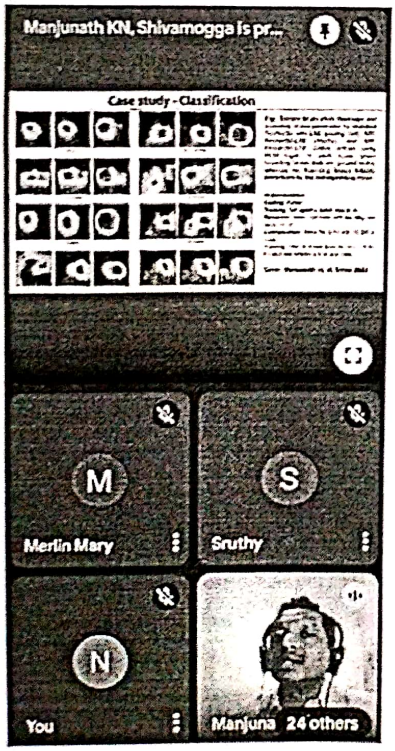
Speaker



Dr.Victer Paul
Assistant Professor,
Department of CSE, IIIT Kottayam.

The main aim of the International Conference on Computational Intelligence and Digital Technology was to bring together leading academicians, researchers, technocrats, practitioners, and students to exchange and share their experiences and research findings in all areas of Computer Science Engineering. The conference also served as a premier interdisciplinary platform for presenting and discussing recent innovations, trends, concerns, and practical challenges encountered along with the solutions adopted in the field of Computer Science Engineering.

The conference upheld a rigorous peer-review process for all submitted manuscripts, beginning with an initial evaluation that included a plagiarism check to ensure the originality of the content. Manuscripts were rejected at this stage if they exhibited serious scientific flaws, poor grammar, or were outside the conference's aim and scope. Manuscripts that met the minimum criteria were forwarded to domain experts for review. A single-blind review process was employed, where reviewers remained anonymous to the authors.



Reviewers were asked to decide on the acceptance or rejection of the submitted papers and provide suggestions for improving their quality. Following the review, authors were informed of the acceptance or rejection of their papers.

From the Department of Computer Science & Engineering, a total of 385 papers were presented at the 6th International Conference on Computational Intelligence and Digital Technology. These included 36 internal papers, authored by students and faculty members of Mangalam College of Engineering, and 349 external papers, submitted by researchers and academicians from various institutions worldwide. This diverse collection of research showcased a wide range of topics and advancements in Computer Science Engineering, reflecting the interdisciplinary nature and global reach of the conference. The selected high-quality papers from the conference will be published in the prestigious Scopus-indexed journal, BJIT - International Journal of Information Technology, which is published by Springer Nature. This publication is renowned for disseminating significant research findings in the field of nformation technology, providing authors with a broad international audience and recognition within the academic community.

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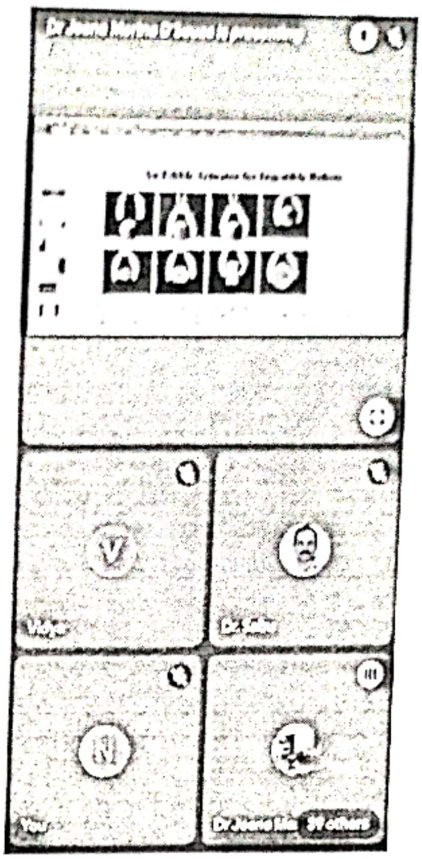
All the remaining papers that were registered and presented at the conference, which have also undergone the peer-review process, will be published in the Scopus-indexed AIP Conference Proceedings. The AIP Conference Proceedings are widely respected for their rigorous standards and comprehensive coverage of physics-related research, including computational and applied physics, thus offering a credible platform for authors to share their work with a global audience. Dr. N. Muthuvairavan Pillai, Associate Professor at RMD Engineering College in Kavaraipettai, Dr. P. Subhashini, Professor at Vel Tech Multi Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Dr. Shirly David, Associate Professor at Karunya University, and Dr. Sandhya Parasnath Dubey, Assistant Professor at Manipal Institute of Technology, Manipal, served as session chairs for the evaluation of external papers.



The two-day conference of ICCIDT 2K24 was a resounding success, bringing together leading academicians, researchers, technocrats, practitioners, and students to exchange and share their experiences and research findings in the field of Computer Science Engineering. The conference facilitated valuable discussions, networking opportunities, and a commitment to academic excellence, reflecting its global reach and interdisciplinary nature.

Name & Signature of Coordinator

Prof. Dr. Sabu George

Name & Signature of HOD

Ms. Neema George

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

International Conference on Computational Intelligence and Digital Technology

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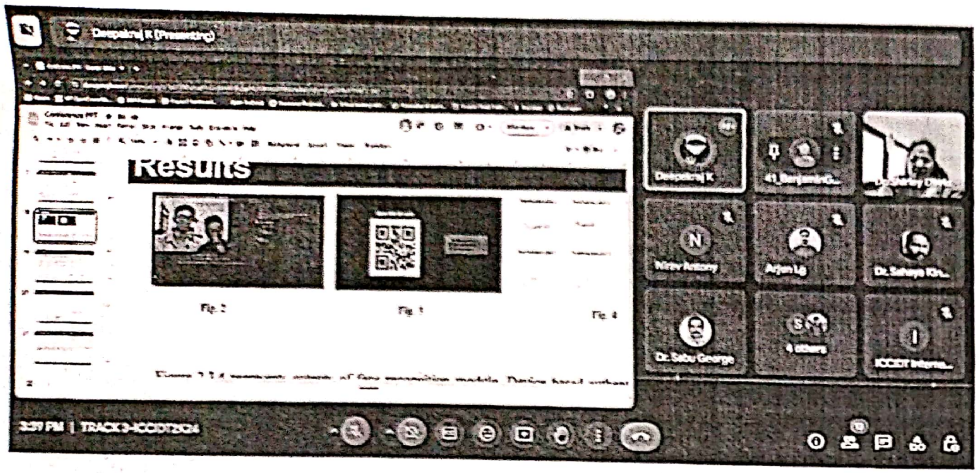

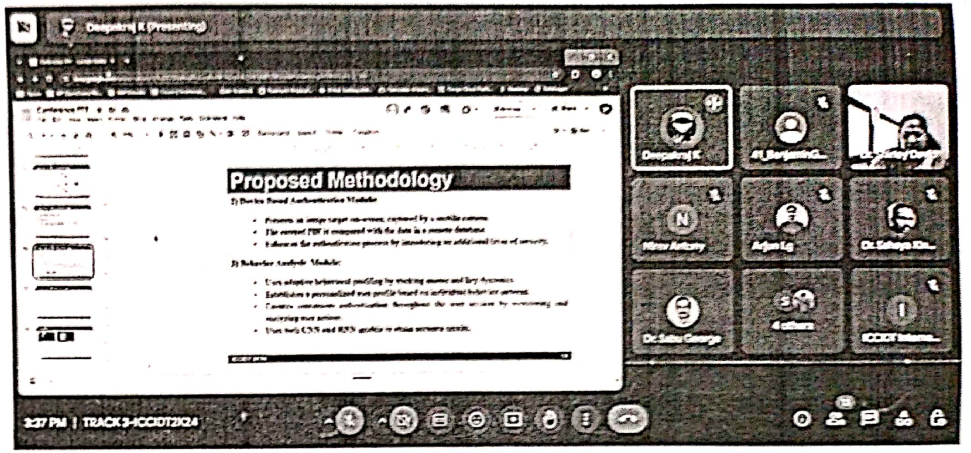

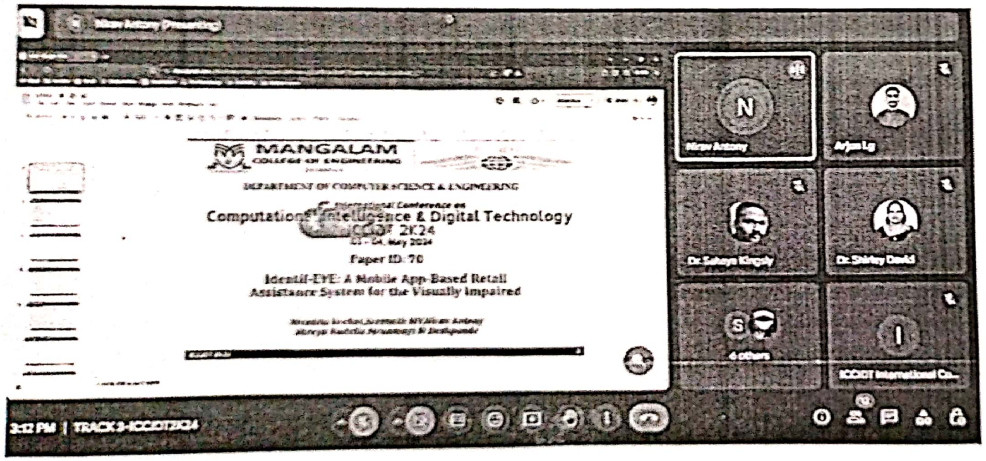

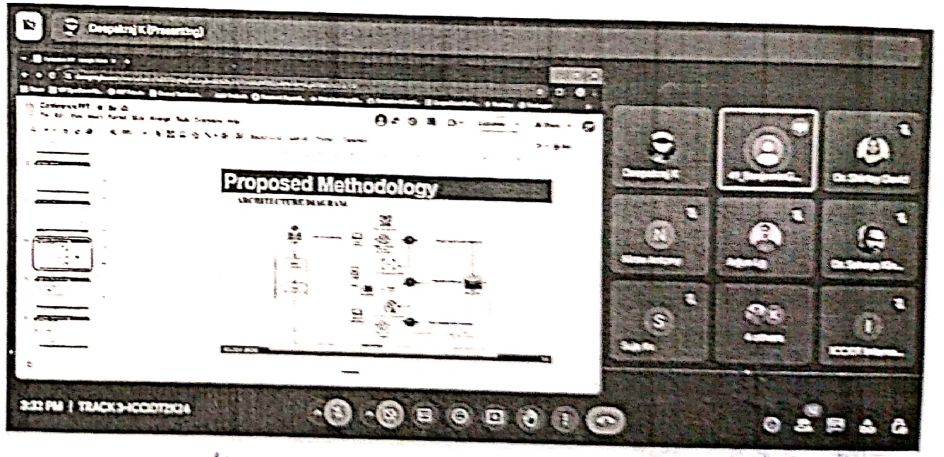

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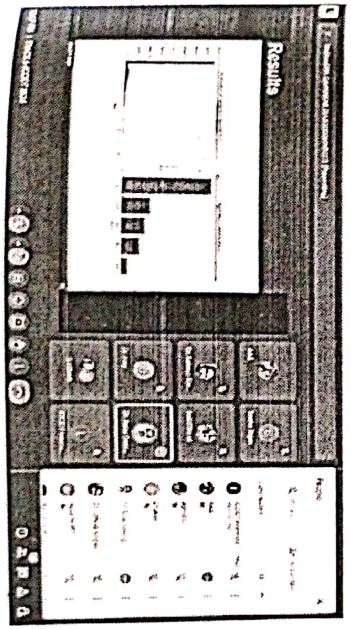

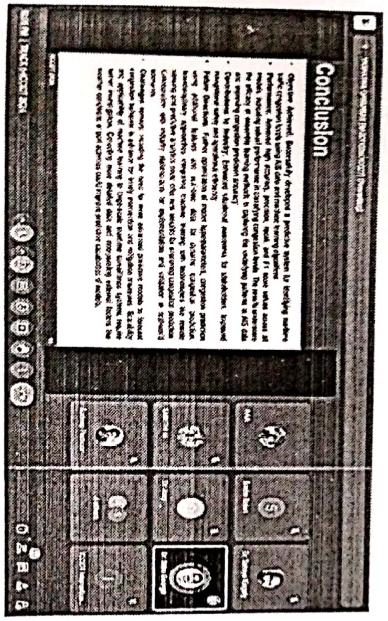

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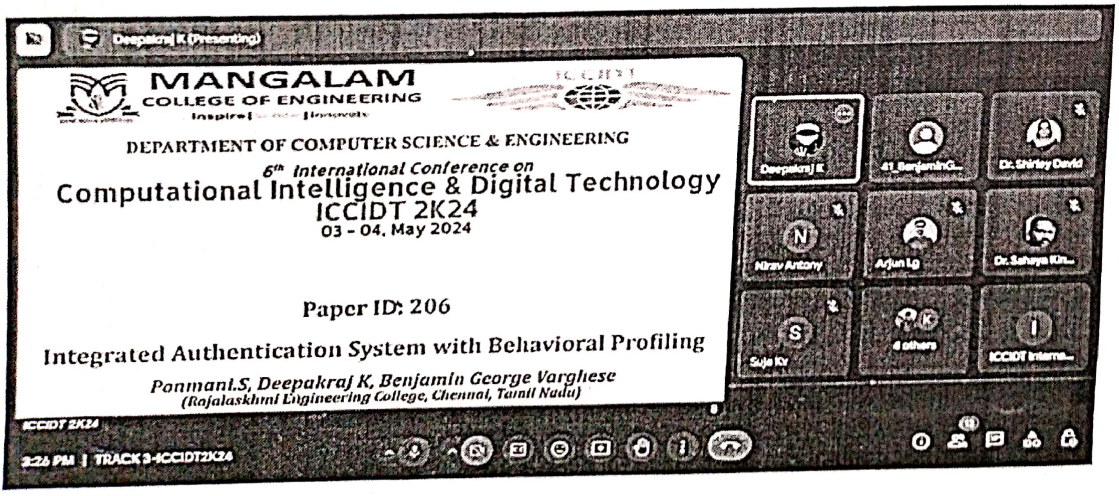

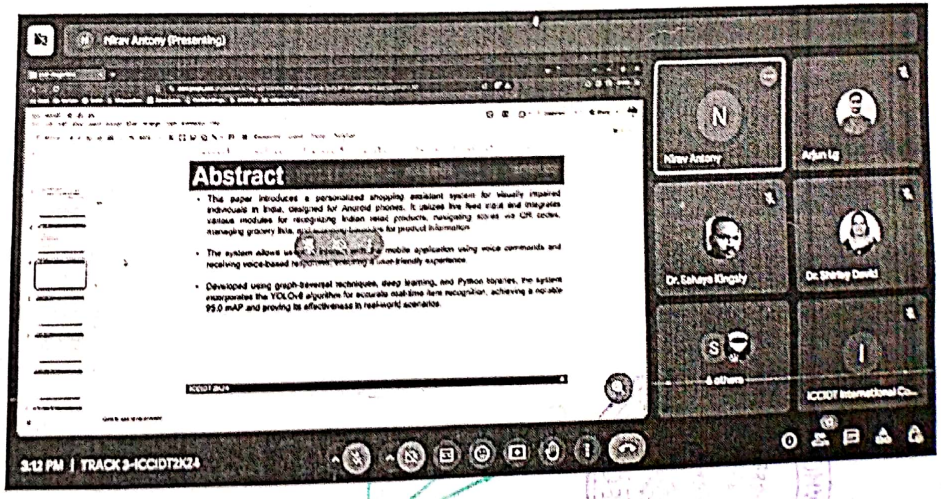

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REGISTRATION DETAILS

Registration Fee:

Rs.300/- Each

Registration Link:

https://shorturl.at/dkqXY

Account Details:

Bank: Axis Bank
Acc.Number: 919010013306670
IFSC: UTIB0003213

IMPORTANT DATE

Last date for Registration is

21st January, 2024

Mode: ICT

ICT Link will be sent by mail

Time : 6.00 P.M TO 7.30 P.M

ADDRESS FOR COMMUNICATION

Co-Ordinator:

Dr.C.Sahaya Kingsly

sahaya.kingsly@mangalam.in Ph:
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ADVISORY COMMITTEE

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PATRON	Dr.Vinodh P.Vijayan, Principal
	Prof.Neema George Vice Principal
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CO-ORDINATOR	Dr.C.Sahaya Kingsly Professor,CSE
CO-COORDINATOR	Prof.Neethu Maria John Asst. Professor,CSE

ORGANISING COMMITTEE

- Mr.Jayakrishnan B, Assistant Professor
- Mr.Anoop T Sasidharan, Assistant Professor

MANGALAM
COLLEGE OF ENGINEERING
Inspire | Initiate | Innovate

FACULTY DEVELOPMENT PROGRAM ON

Cyber Security and Forensics

(22nd - 26th January, 2024)

Organized by

Department of Computer Science and Engineering

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About Mangalam College of Engineering

Mangalam College of Engineering (MLM) stands supreme in the field of technical education with excellence and quality in education. In keeping with MLM's goal of excellence, the academic programs is supported by well experienced and dedicated faculty, which is committed to equip the student with knowledge and skills needed to succeed in today's rapidly changing world. Approved by the All India Council for Technical Education (AICTE) and affiliated to the APJ Abdul Kalam Technological University in Kerala, MLM is promoted by the Mangalam Educational Society, with a mission to bring out leaders for a technology – driven environment.

About the Department

The Department of Computer Science and Engineering at Mangalam College of Engineering, was formed in 2002. The first undergraduate batch rolled out in the year 2006. Currently the department has nearly 480 undergraduate students (BTech) and nearly 36 postgraduate (M.Tech)students.

The Department provides an outstanding research environment complemented by superior teaching for its students to flourish in. Graduates from the department are heavily recruited by both academia and industry. All over the world, ex-students of the Department occupy top positions in both academia and industry.

It is well equipped with highly commendable facilities and is effectively headed by Dr.S.P.Predeep Kumar and guided by a team of highly experienced , dedicated and diligent faculty members.

CONTENTS OF FDP

Day 1

- Introduction to Cyber security
- Basic Awareness on Cybersecurity
- Digital Age and Internet
- Benefits of Digital Age
- Cyber Crimes
- Cyber Law

Day 2

- CIA Pyramid
- Cyber Threats
- Cyber Attacks
- Web Based Attacks
- Malwares
- Malware Analysis

Day 3

- Static Analysis
- Dark We b
- Dynamic Analysis
- Wireshark Packet Analyzer
- OSINT Open Source Intelligence
- Network Vulnerability and Penetration Testing
- Log 4J Vulnerability
- Nessus Tool

Day 4

- Kali Linux
- Cyber security Certification Partners
- Digital Forensics
- Digital Crimes
- Digital evidence handling

Day 5

- Process involved in Digital evidence collection
- Chain of custody
- Digital Investigations
- Forensic tools

INSTRUCTIONS

- Registration fee will be charged for participation.
- The course will be conducted on online platform.
- You will get the link on your mail id to join the program.
- The participants are required to fill the google form given in the registration details and register for the course as soon as possible.
- Attendance in all sessions is mandatory and will be monitored.
- E-certificates will be issued to the participants after successful completion of the course.

DURATION

The duration of the workshop is 5 days. It will begin tentatively on Monday, 22nd January and end on Friday, 26th Januay, 2024.

WHO SHOULD ATTEND?

The workshop will benefit faculty and research scholars.

RESOURCE PERSON

Dr. D.DAVID NEELS PONKUMAR, M.E., Ph.D., MBA. (Edu. Mgmt), CCNAI, MISTE, MIAENG, MI2OR

Professor in Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai.(Vel Tech University)

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Objective:

The main objective of this FDP is to make sure that Faculty members in terms of

- Basic Awareness on Cyber security
- Malware Analysis
- Digital Crimes
- Digital Forensics
- Kali Linux

Course Outcomes:

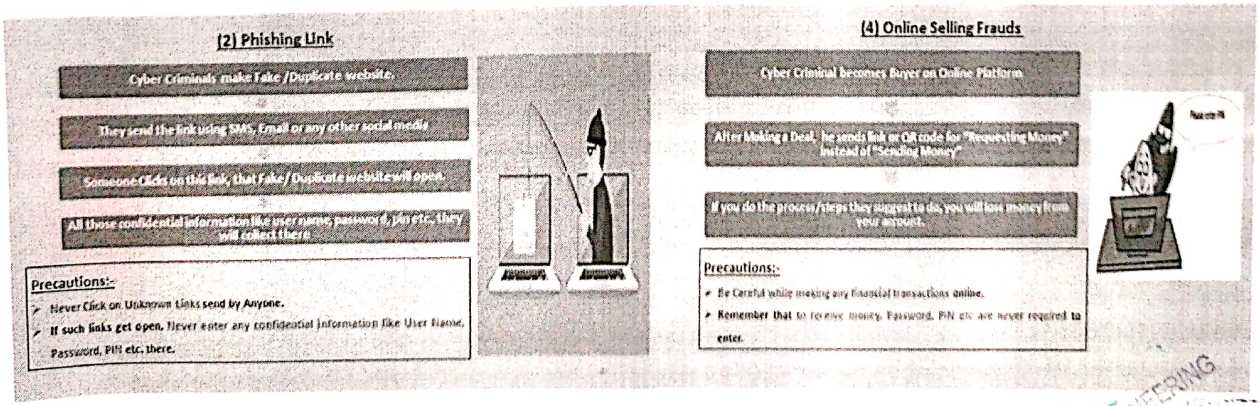
On completion of this course, faculties are able to achieve knowledge of Cyber Security and Forensics.

About the FDP:

The Cyber Security and Forensics FDP was organized by Department of CSE, Mangalam College of Engineering. The programme was organized for five days in the institute for Faculties. The total 127 faculty members from various institutions were registered their name for this training programme and 27 department faculties were registered. The inauguration of programme took place on 22.01.2024. The Certificates were issued for all participants on 27.01.2024.

Session 1: Cyber Security awareness:

Vishing Calls (Fake Calls), Phishing Link, Mobile Device Security, (Cyber Law / IT ACT),
Email SpoofingE-mails are sent by cyber criminals through e-mail by creating fake e-mail IDs. In which the bank details are fake.



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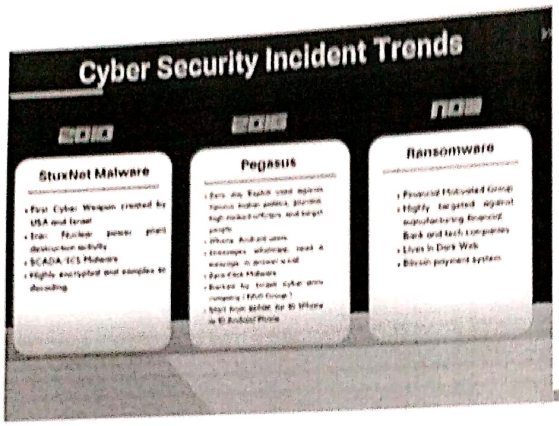
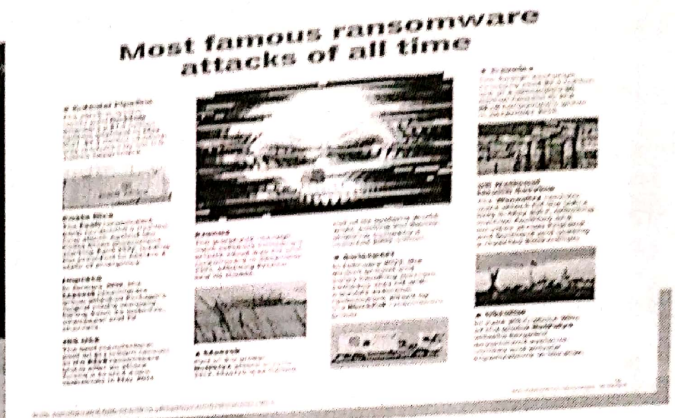
Session 2: Cyber Security:

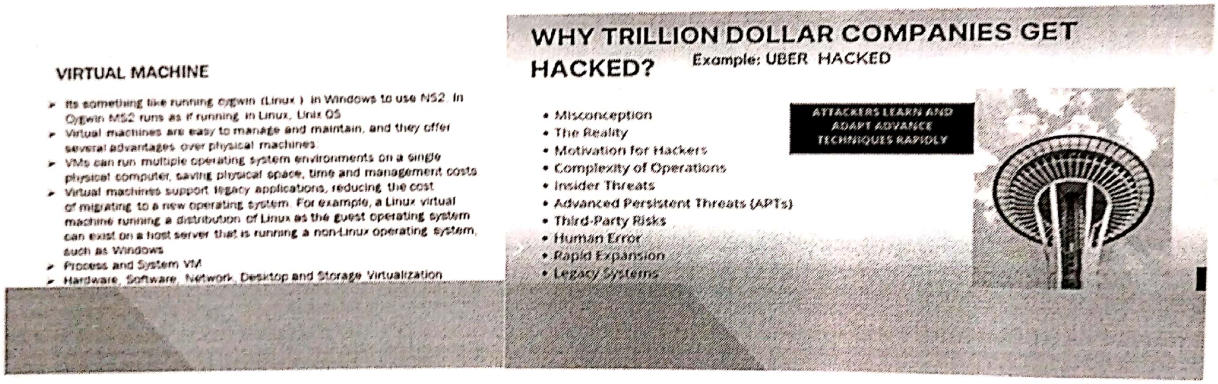
Pegasus spyware, Ransomware, StuxNet Malware, Web Based Attacks





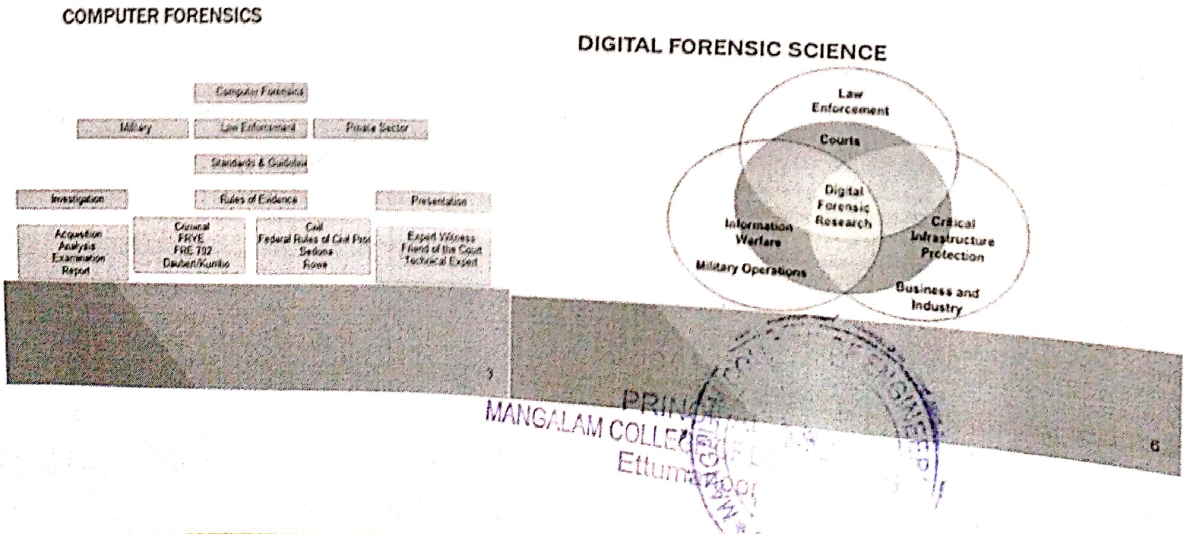
Session 3: Cyber Security Tools:

Virtual Machine, Malware Analysis



Session 4: Digital Forensics:

Digital Forensic Science, Cyber Forensics, Steganography, and file residue.



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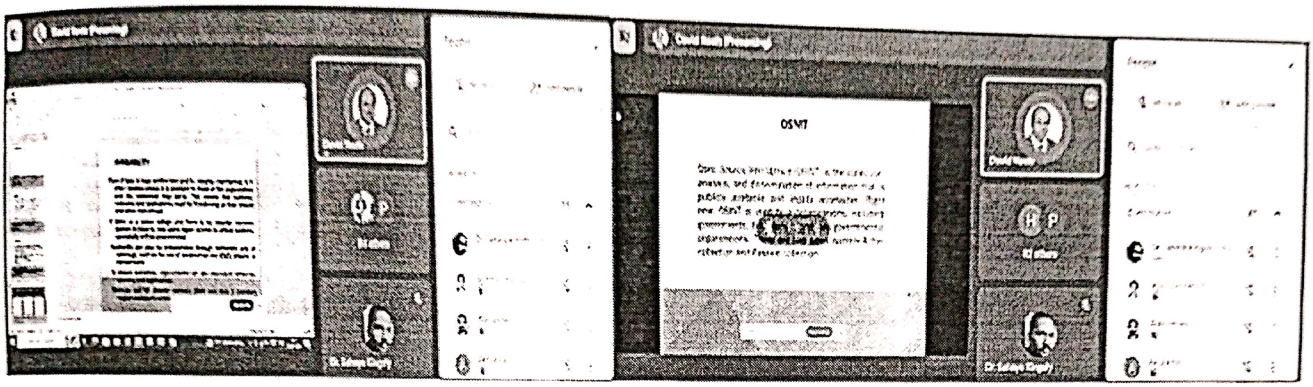
Session 5: Kali linux:

Installation and implementation of cyber security tools
Vmware :- https://www.vmware.com/go/getworkstation-win
Kali linux :-https://www.kali.org/get-kali/#kali-platforms
Extracter :-https://www.7-zip.org/download.html

Screen Shots:



Feedback:

A good majority of the participants expressed their satisfaction about the FDP theme and subject covered in the respective technical sessions. However, A very few participants are expressed their opinion that, the presentation tools, materials given by the resource persons, venue selected for the FDP have been even better. We will take appropriate measures to rectify the same in future. We are very thankful to the Management of Mangalam College of Engineering, Principal, HOD and Coordinators for making this FDP a grand success.

Outcome of the FDP:

We could observe the benefits derived out of this faculty Development Programme in the form of enhanced knowledge of the participants in the of research literacy.

FDP Coordinators

Dr. C.Sahaya Kingsly

Ms. Neethu Maria John

Mr. Jayakrishnan B

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Timestamp	Email ID	Name	Designation	College	Mobile Numb	What is your level of satisfaction?	Did the FDP meet your expectations?	Knowledge of the Resource Person.	Did the FDP fulfill your Professional/Personal Objectives?	Suggestions if any.
1/24/2024 22:47:59	jayakrishnan.b@manga	Jayakrishnan B	Assistant Professor	Mangalam College of Engineering	9605058245	Excellent	Yes	Excellent	Yes	
1/26/2024 19:19:18	vrinda.indu@gmail.com	Vrinda A	Assistant Professor	MES Engineering College,Kuttippuram	9446521467	Verygood	Yes	Verygood	Yes	
1/26/2024 19:19:34	gourimohans@gmail.c	Dr.Gouri M.S	Associate Professor	Baselios MathewsII College of Engineering, Sasthamcotta	9746640576	Verygood	Yes	Verygood	Yes	Very Informative
1/26/2024 19:20:01	anuja.manni@mangala	Anuja Ann Mani	Assistant Professor	Mangalam College of Engineering	8547154649	Verygood	Yes	Excellent	Yes	Good session
1/26/2024 19:20:02	headcse@stellamarys	Dr. F. R. Shiny Malar	Professor	Stella Mary's College of Engineering	9626623369	Verygood	Yes	Excellent	Yes	
1/26/2024 19:20:05	cs.anjuv@sbcemail.in	Anju Viswam	Assistant Professor	Sree Buddha College of Engineering, Pattoor	9961537145	Verygood	Yes	Excellent	Yes	
1/26/2024 19:20:14	jinumohan@gmail.com	Dr.Jinu Mohan	Associate Professor	Ilahia college of Engineering and Technology	9495948516	Verygood	Yes	Verygood	Yes	
1/26/2024 19:20:18	chinnuedwina@gmail.c	Chinnu Edwin A	Assistant Professor	Albertian Institute of Science and Technology, Kalamasse	9746026030	Verygood	Yes	Verygood	Yes	
1/26/2024 19:20:23	soumyasuryanarayanar	SOUMYA P V	Assistant Professor	Mes College of Engineering, KUTTIPURAM	9747769073	Excellent	Yes	Verygood	Yes	
1/26/2024 19:20:52	sansaj.786@gmail.com	SANOOJA BEEGAM M A	Assistant Professor	Musaliar College of Engineering and Technology, Pathana	9605296539	Verygood	Yes	Verygood	Yes	No
1/26/2024 19:20:58	sukanya@cekottarakka	Sukanya M V	Assistant Professor	College of Engineering, Kottarakkara	9656656448	Verygood	Yes	Verygood	Yes	
1/26/2024 19:21:01	swetha.cb@alliance.ed	Swetha C B	Assistant Professor	Alliance University, Bengaluru	9946030219	Excellent	Yes	Excellent	Yes	Nil
1/26/2024 19:21:08	lijimolk.cs@hkbk.edu.in	Lijimol K	Assistant Professor	HKBK College of Engineering	8277250483	Excellent	Yes	Excellent	Yes	Nothing
1/26/2024 19:21:28	jinu.sainudeen@manga	JINU P SAINUDEEN	Assistant Professor	MANGALAM COLLEGE OF ENGINEERING	9.4965E+10	Excellent	Yes	Excellent	Yes	EXCELLANT
1/26/2024 19:21:34	archanalakshmi.k.s@g	ARCHANA LAKSHMI K S	Assistant Professor	Sree Narayana Gurukulam College of Engineering, Kaday	8281965299	Excellent	Yes	Excellent	Yes	
1/26/2024 19:21:37	geethugopakumar@ce	Geethu Gopakumar	Assistant Professor	College of Engineering, Karunagappally	7356495099	Verygood	Yes	Verygood	Yes	
1/26/2024 19:21:55	deepasdinesh@gmail.c	Deepa Rajan S	Associate Professor	Bishop Jerome Institute, Kollam	9496244355	Excellent	Yes	Excellent	Yes	
1/26/2024 19:24:49	deepthydevu@gmail.co	Deepthy S	Assistant Professor	Baselios MathewsII College of Engineering, Sasthamcotta	9496806794	Excellent	Yes	Excellent	Yes	Nil
1/26/2024 19:24:49	roja.thomas@mangala	Roja Thomas	Assistant Professor	Mangalam College of Engineering	9207680580	Excellent	Yes	Excellent	Yes	
1/26/2024 19:25:01	thilakahari1983@gmail	A. Thilakavathi	Assistant Professor	MES College of Engineering and Technology	9495177732	Verygood	Yes	Verygood	Yes	Nil
1/26/2024 19:26:20	sandhyasudarsanan@c	Sandhya S	Assistant Professor	College of Engineering, Karunagappally	7012540921	Excellent	Yes	Verygood	Yes	
1/26/2024 19:26:31	nahala69@gmail.com	Nahala M A	Assistant Professor	Sree Narayana Gurukulam College of Engineering, Kaday	9496351647	Good	Yes	Good	Yes	Good
1/26/2024 19:26:37	sruthy.k@scmsgroup.c	Sruthy K Joseph	Assistant Professor	SCMS School of Engineering and Technology	9746071558	Good	Yes	Verygood	Yes	Informative FDP. If possible please share the recorded session videos of FDP
1/26/2024 19:26:56	anvarsadathak@gmail	Anvar Sadath A K	HOD-Computer Eng	Mangalam Polytechnic College	9446018887	Excellent	Yes	Excellent	Yes	
1/26/2024 19:27:50	chandralekha.j@mangl	Chandralekha J	Lecturer	Mangalam Polytechnic College	7306664056	Excellent	Yes	Excellent	Yes	
1/26/2024 19:28:01	Bisna@gectcr.ac.in	Bisna N D	Assistant Professor	Government Engineering College,Thrissur	9656966641	Excellent	Yes	Excellent	Yes	
1/26/2024 19:29:16	keerthana1993r90@gm	Keerthana R	Assistant Professor	College of Engineering, Adoor	9747684119	Excellent	Yes	Excellent	Yes	Nil
1/26/2024 19:30:00	amrithasoloman@aisat	Amritha Soloman	Assistant Professor	Albertian Institute of Science and Technology, Kalamasse	9567676256	Verygood	Yes	Verygood	Yes	Nil
1/26/2024 19:30:01	nitha@sngce.ac.in	Nitha S Unni	Assistant Professor	Sree Narayana Gurukulam College of Engineering, Kaday	9744214765	Excellent	Yes	Excellent	Yes	Good class
1/26/2024 19:30:40	kmaheshkumar27@gm	K.Mahesh Kumar	Assistant Professor	CMS College of Engineering	9790151814	Verygood	Yes	Verygood	Yes	Very nice
1/26/2024 19:30:44	ajay@gectcr.ac.in	Dr. Ajay James	Associate Professor	Government Engineering College, Thrissur	9747291957	Excellent	Yes	Excellent	Yes	
1/26/2024 19:30:47	agamyapramod87@gm	AGAMYA PRAMOD E P	Assistant Professor	KMCT COLLEGE OF ENGINEERING FOR WOMEN	9745957219	Verygood	Yes	Excellent	Yes	
1/26/2024 19:31:05	vani@carmelcet.in	Vani V Prakash	Assistant Professor	Carmel College of Engineering and Technology	8129549100	Verygood	Yes	Verygood	Yes	
1/26/2024 19:31:14	bmj.cs@mgmcet.ac.in	Blesmi Rose Joseph	Assistant Professor	MGM COLLEGE OF ENGINEERING & TECHNOLOGY	9496583676	Verygood	Yes	Excellent	Yes	
1/26/2024 19:31:46	k.t.srihari@gmail.com	Dr. SRIHARI T	Associate Professor	Saveetha School of Engineering, (SIMATS) Saveetha Uni	9442102071	Excellent	Yes	Excellent	Yes	More hands-on workshop
1/26/2024 19:32:20	sivablack@gmail.com	Sivakumar. B	Assistant Professor	Rohini College of Engineering and Technology	9500176492	Excellent	Yes	Verygood	Yes	No comment
1/26/2024 19:32:24	devidevapal30@gmail.	Devi Devapal	Assistant Professor	College of Engineering, Muttathara	9446503136	Excellent	Yes	Excellent	Yes	Nil
1/26/2024 19:32:46	bastinrogers2007@gm	BASTIN ROGERS C	Assistant Professor	Stella Mary's College of Engineering	9629365974	Verygood	Yes	Verygood	Yes	Great Sessions. Conduct FDP often like this.
1/26/2024 19:34:01	krishnajaikumar@gmai	Krishna C J	Associate Professor	SNGIST Group of Institutions	8086334904	Verygood	Yes	Excellent	Yes	
1/26/2024 19:34:52	nivyamol.p@mangalam	NIVYAMOL P VARGHES	Assistant Professor	Mangalam Polytechnic College	9544769259	Excellent	Yes	Excellent	Yes	
1/26/2024 19:36:33	cs.aswathy@sbcemail.	Aswathy T	Assistant Professor	Sree Buddha College of Engineering, Pattoor	9544186943	Excellent	Yes	Excellent	Yes	It was a fantastic fdp session. The resource person carried out a great job. It was a good experience for me.Conduct more Fdp like this

PRINCIPAL
MANGALAM COLLEGE OF ENGINEERING
Ettumanoor

Kottayam
Kerala-686 631

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1/26/2024 19:37:11	tsoumyabaijucem@gm	Soumya T	Assistant Professor-	College of Engineering, Muttathara	9446178245	Excellent	Yes	Excellent	Yes		
1/26/2024 19:37:47	shemimolb@tkmit.ac.in	SHEMIMOL B	Assistant Professor	TKM Institute of Technology	9447789421	Excellent	Yes	Excellent	Yes		
1/26/2024 19:38:09	crjitha@gmail.com	Jitha C R	Assistant Professor-	Sree Narayana Gurukulam College of Engineering, Kaday	9497023009	Verygood	Yes	Excellent	Yes	Provide offline sessions for more effectiveness.	
1/26/2024 19:39:26	nejmama@icet.ac.in	Nejma M A	Assistant Professor	Ilahia College of Engineering and Technology	9744254161	Verygood	Yes	Excellent	Yes		
1/26/2024 19:39:47	soumyarose84@gmail	SOUMYA A.M.	Assistant Professor	Sree Narayana Gurukulam College of Engineering, Kaday	7025702808	Excellent	Yes	Excellent	Yes	Excellent Experience	
1/26/2024 19:40:23	k.e.purushothaman199	Dr.K.E.Purushothaman	Assistant Professor	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Scie	9600579619	Excellent	Yes	Excellent	Yes		
1/26/2024 19:40:57	pselvar@yahoo.com	Dr.P.Selvaraju	Professor-CSE	Saveetha School of Engineering, SIMATS,CHENNAI-602	9444109127	Excellent	Yes	Excellent	Yes	Excellent in all	
1/26/2024 19:42:13	soumyamol.pm@mang	Soumyamol P M	Lecturer	Mangalam Polytechnic College	9605229397	Verygood	Yes	Verygood	Yes	Very helpful to us	
1/26/2024 19:45:01	Shibu.kr@saintgits.org	Dr Shibu K.R	Associate Professor	Saintgits College of Engineering	9447828147	Excellent	Yes	Excellent	Yes	Nil	
1/26/2024 19:47:54	sreelakshmi.pt@mang	Sreelakshmi PT	Lecturer	Mangalam Polytechnic College	9778473258	Verygood	Yes	Excellent	Yes		
1/26/2024 19:48:40	mariajoy123 2008@gm	Elda Maria Joy	Assistant Professor	Sree Narayana Gurukulam College of Engineering, Kaday	9447048413	Excellent	Yes	Excellent	Yes		
1/26/2024 19:53:39	rinsa.rees@gmail.com	Rinsa Rees	Assistant Professor	Musaliar College of Engineering and Technology, Pathana	9526846302	Verygood	Yes	Verygood	Yes		
1/26/2024 19:54:52	drsaleemprincipal@gm	Dr. P. A. ABDUL SALEE	PROFESSOR-CSE(	CVR COLLEGE OF ENGINEERING	9440848506	Excellent	Yes	Excellent	Yes	Simple and Good	
1/26/2024 19:55:01	ajmisajitha98@gmail.c	AJMI JALEEL	Assistant Professor	College of Engineering, Karunagapally	9495185189	Excellent	Yes	Excellent	Yes		
1/26/2024 19:55:59	akr.cs@mgmcet.ac.in	AKHILA RAJ	Assistant Professor	MGM College of Engineering and Technology	9539563736	Good	Yes	Good	Yes		
1/26/2024 19:56:26	nietanjup@nehrucolleg	Anju P	Assistant Professor	Nehru Institute of Engineering and Technology, Coimbato	9567402031	Excellent	Yes	Excellent	Yes	Session was good and informative	
1/26/2024 19:56:35	nyarajan@aisat.ac.in	Riya Rajan	Assistant Professor	Albertian Institute of Science and Technology, Kalamasse	9947837328	Verygood	Yes	Excellent	Yes	conduct an offline FDP	
1/26/2024 19:56:47	julietjohny.cs@hkbk.ed	Juliet Johny	Assistant Professor	HKBK College of Engineering, Bangalore	9526550873	Good	Yes	Verygood	Yes		
1/26/2024 19:58:17	sreevidyaktda@gmail.c	SREEVIDYA S S	Assistant Professor	Sarabhai Institute of Science and Technology, Vellanad	9497273604	Verygood	Yes	Excellent	Yes		
1/26/2024 20:00:11	Basiljoy@mace.ac.in	Basil Joy	Assistant Professor	MA College of Engineering, Kothamangalam	9746139123	Excellent	Yes	Excellent	Yes		
1/26/2024 20:00:16	anjuomanakuttan1@gn	Anju Omanakuttan	Assistant Professor	Younus College of Engineering and Technology, Kollam	9567619541	Excellent	Yes	Excellent	Yes		
1/26/2024 20:04:01	div@sngce.ac.in	Divya S.	Assistant Professor	Sree Narayana Gurukulam College of Engineering, Kaday	9447828181	Verygood	Yes	Verygood	Yes		
1/26/2024 20:04:02	sakthi.1992@gmail.cor	Minnuja Shelly	Assistant Professor	Universal Engineering College, Vallivattom	9846603561	Excellent	Yes	Excellent	Yes		
1/26/2024 20:04:59	apamaas06@gmail.co	APARNA A S	Assistant Professor	CARMEL COLLEGE OF ENGINEERING AND TECHNOL	8086235997	Verygood	Yes	Verygood	Yes		
1/26/2024 20:07:26	nishaaranethu@gmail.c	NISHA MOHAN P M	Assistant Professor	St.Thomas College of Engineering, Kozhuvalloor	9447593523	Excellent	Yes	Excellent	Yes		
1/26/2024 20:08:27	hena.m.89@gmail.com	Hena M.	Lecturer in Compute	University of West London RAK Branch	8893456706	Good	Yes	Excellent	Yes	It could be more interactive	
1/26/2024 20:09:21	devidath@cemuttathar	Devi Dath	Assistant Professor-	College of Engineering, Muttathara	9447342666	Excellent	Yes	Excellent	Yes		
1/26/2024 20:11:31	athira.s@mangalam.in	Athira S Nath	Assistant Professor	Mangalam College of Engineering	8547516979	Excellent	Yes	Excellent	Yes		
1/26/2024 20:11:49	sumayya123@gmail.co	Sumayya P I	Assistant Professor	Ilahia College of Engineering and Technology	8281573362	Excellent	Yes	Excellent	Yes	If included Familiarisation of Freeware tools	
1/26/2024 20:12:15	smita3944@ncerc.ac.in	Smita Unnikrishnan	Assistant Professor-	Nehru College of Engineering and Research Centre	9526529529	Verygood	Yes	Verygood	Yes		
1/26/2024 20:12:17	athirajalendran11@gm	ATHIRA JALENDRAN	LECTURER CSE	Mangalam Polytechnic College, Ettumanoor	7902680571	Verygood	Yes	Excellent	Yes		
1/26/2024 20:12:34	Shennrobinm@gmail.c	SHERIN ELIYAS	Assistant Professor	Hindustan Institute of Technology and Science	9789835898	Verygood	Yes	Verygood	Yes		
1/26/2024 20:15:15	chintu.mana@mangala	Chintu Maria Thomas	Assistant Professor	Mangalam College of Engineering	9400987293	Excellent	Yes	Excellent	Yes		
1/26/2024 20:15:24	tinut619@gmail.com	Tinu Thomas	Assistant Professor	St. Joseph's College of Engineering and Technology, Pala	9526725379	Excellent	Yes	Excellent	Yes		
1/26/2024 20:18:20	lakshmi.lpus@gmail.co	LAKSHMIPRIYA U S	Assistant Professor	Sarabhai Institute Of Science and Technology	8921572541	Excellent	Yes	Excellent	Yes	Time management need to be managed last two days topics was good but feel a rush to complete portions	
1/26/2024 20:30:14	psanjanamol@gmail.c	ANJANAMOL P S	Lecturer	Mangalam Polytechnic College, Ettumanoor	9188702934	Excellent	Yes	Excellent	Yes		
1/26/2024 20:33:49	chinchumpillai@gmail.c	CHINCHU M PILLAI	Assistant Professor	COLLEGE OF ENGINEERING, CHENGANNUR	7025799405	Verygood	Yes	Verygood	Yes		
1/26/2024 20:38:00	beetanarayanan@gma	BEETA NARAYAN	Assistant Professor	Sree Narayana Gurukulam College of Engineering, Kaday	9846843646	Excellent	Yes	Excellent	Yes		
1/26/2024 20:39:49	jyothychinchu@gmail.c	Jyothi Vijayan	Assistant Professor-	College of Engineering, Adoor	8281002192	Verygood	Yes	Verygood	Yes		
1/26/2024 20:41:40	cs.nineesha@sbcemail	Nineesha P	Assistant Professor	Sree Buddha College of Engineering, Pattoor	9447401815	Verygood	Yes	Excellent	Yes		
1/26/2024 20:44:16	josmygeorge@mbcpee	Josmy George	Assistant Professor	MBCCET	7034542908	Verygood	Yes	Excellent	Yes	very good sessions	
1/26/2024 20:44:27	888.sithu@gmail.com	SITHARA SASIDHARAN	Assistant Professor	YOUNUS COLLEGE OF ENGINEERING AND TECHNOL	9947162111	Excellent	Yes	Excellent	Yes		
1/26/2024 20:45:29	reshmilas@gmail.com	Reshmila S	Professor	Sree Narayana Gurukulam College of Engineering, Kaday	9447231897	Verygood	Yes	Verygood	Yes		
1/26/2024 20:54:51	jenny.gjoseph@gmail.c	Jenny G Joseph	Assistant Professor	Baselios Mathews II College of Engineering, Sasthamcott	8848130230	Verygood	Yes	Excellent	Yes		
1/26/2024 21:01:45	mysansuma@gmail.co	Dr SUMALATHA M S	Assistant Professor	MGM COLLEGE OF ENGINEERING AND TECHNOLOG	8281080830	Good	Yes	Verygood	Yes		
1/26/2024 21:05:41	dhanyaleji2012@gmail.	Dhanya M	Assistant Professor	Younus College of Engineering and Technology	8281970458	Verygood	Yes	Excellent	Yes		
1/26/2024 21:09:48	anoop.sasidharan@ma	Anoop T Sasidharan	Assistant Professor	Mangalam College of Engineering	9539205605	Excellent	Yes	Excellent	Yes		
1/26/2024 21:11:03	swabna1997@gmail.co	SWABNA E	Assistant Professor	KMCT College of Engineering for Women	7902458125	Excellent	Yes	Excellent	Yes	Nil	
1/26/2024 21:14:51	mndhudev@gmail.com	MRUTHULA N R	Assistant Professor	TKM INSTITUTE OF TECHNOLOGY	9846746597	Verygood	Yes	Excellent	Yes		
1/26/2024 21:15:40	Jithujai@gmail.com	Nikhil Jayakumar	Assistant Professor	YOUNUS COLLEGE OF ENGINEERING AND TECHNOL	9645663296	Good	Yes	Excellent	Yes	Good sessions	
1/26/2024 21:16:48	chinchup@sngce.ac.in	CHINCHU PAULOSE	Assistant Professor	Sree Narayana Gurukulam College of Engineering, Kaday	9744821933	Verygood	Yes	Verygood	Yes		
1/26/2024 21:17:07	jishnukichuu@gmail.co	JISHNU PRASAD	DST INSPIRE RES	Noorul Islam Centre For Higher Education	9447993494	Verygood	Yes	Verygood	Yes		
1/26/2024 21:18:48	deepthy.alex@mangal	Dr. Deepthy Mary Alex	Associate Professor	Mangalam College of Engineering	7558833075	Verygood	Yes	Verygood	Yes		
1/26/2024 21:32:21	himajabm@gmail.com	HIMAJA B M	Associate Professor	SARABHAI INSTITUTE OF SCIENCE AND TECHNOLO	9633174112	Verygood	Yes	Verygood	Yes		
1/26/2024 21:34:14	chithrarajbhavan@gma	CHITHRA RANI P R	Assistant Professor	ILAHIA COLLEGE OF ENGINEERING AND TECHNOLO	8281226891	Excellent	Yes	Excellent	Yes		
1/26/2024 21:34:52	jeeshnapv@gmail.com	JEESHNA P V	Assistant Professor	Trinity College of Engineering, Trinity Hills, Naruvamoodu	9567728380	Verygood	Yes	Excellent	Yes		
1/26/2024 21:41:48	athirabose@iesce.info	Athira Bose	Assistant Professor	IES College of Engineering	7907189202	Verygood	Yes	Excellent	Yes		

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1/26/2024 21:44:23	roytp2009@gmail.com	ROY T P	Assistant Professor	TKM College of Engineering	9995285933	Excellent	Yes	Excellent	Yes	
1/26/2024 21:44:39	skumarsilpa09@gmail.	SILPA S KUMAR	Assistant Professor	YOUNUS COLLEGE OF ENGINEERING AND TECHNOL	9895227661	Verygood	Yes	Excellent	Yes	
1/26/2024 21:50:02	sindhudaniel07@gmail	Sindhu Daniel	Assistant Professor	Musaliar College of Engineering and Technology, Pathana	9497477463	Verygood	Yes	Good	No	Could have included more hands-on sessions like sql injection etc
1/26/2024 21:54:44	frz.cs@mgmcet.ac.in	Farzeena PA	Assistant Professor	MGM College of Engineering and Technology, Pampakud	9995999116	Good	No	Verygood	Yes	Nil
1/26/2024 22:05:50	jyolsnamary@gmail.co	JYOLSNA MARY P	Assistant Professor	MGM College of Engineering and Technology, Pampakud	9961510339	Verygood	Yes	Verygood	Yes	
1/26/2024 22:10:38	anjuprabhacet@gmail.(	ANJU PRABHA	Assistant Professor	Sree Narayana Gurukulam College of Engineering, Kaday	8848473347	Good	Yes	Verygood	Yes	Nice sessions
1/26/2024 22:17:59	leenaytkmit@gmail.cor	Leena Y	Assistant Professor	TKM Institute of Technology	9497592716	Excellent	Yes	Verygood	Yes	Overall excellent
1/26/2024 22:24:44	kavithaniji123@gmail.c	KAVITHA V K	Assistant Professor	Baselios Mathews II College of Engineering, Sasthamcotta	9497705741	Excellent	Yes	Excellent	Yes	
1/26/2024 22:46:28	bettyanil2009@gmail.c	Betty Mary Jacob	Assistant Professor	St.Thomas College of Engineering and Technology, Chen	9947100605	Verygood	Yes	Excellent	Yes	
1/26/2024 22:47:59	pradeepkumar.sp@ma	Dr.S.P.Predeep Kumar	Professor and HoD-	Mangalam College of Engineering	9442761492	Excellent	Yes	Excellent	Yes	
1/26/2024 22:51:11	soumyasuryanarayanar	SOUMYA P V	Assistant Professor	MES COLLEGE OF ENGINEERING, KUTTIPURAM	9747769073	Excellent	Yes	Excellent	Yes	Nil
1/26/2024 23:17:21	dhinesh619@gmail.cor	DHINESH S	Assistant Professor-	CMS COLLEGE OF ENGINEERING	9025970887	Excellent	Yes	Verygood	Yes	More Hands on sessions can be arranged
1/26/2024 23:34:40	helinarajini@gmail.com	Dr.Helina Rajini Suresh	Associate Professor	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Scie	94869 27217	Verygood	Yes	Excellent	Yes	
1/26/2024 23:35:45	jinumathai90@gmail.co	JINU MATHAI	Assistant Professor	St. Thomas College of Engineering and Technology, Cher	9747735255	Excellent	Yes	Verygood	Yes	
1/26/2024 23:44:43	haseenamk18@gmail.(	Haseena MK	Assistant Professor	ILAHIA College of Engineering	9745315811	Verygood	Yes	Verygood	Yes	
1/26/2024 23:49:24	jayakrishnanrp@gmail.	Jayakrishnan R	Assistant Professor	Baselios Mathews II College of Engineering, Sasthamcotta	9495116968	Excellent	Yes	Verygood	Yes	
1/26/2024 23:50:19	neethukrishna@mgits.a	Neethu Krishna	Assistant Professor	Muthoot Institute of Technology and Science	8281408001	Verygood	Yes	Verygood	Yes	
1/27/2024 7:06:00	jogimolb@gmail.com	Jogimol Joseph	Assistant Professor	Musaliar College of Engineering and Technology, Pathana	9495529305	Excellent	Yes	Excellent	Yes	
1/27/2024 7:46:46	meghakrishnan111@g	Megha. M	Assistant Professor	KMCT College of Engineering for Women	9633527167	Verygood	Yes	Verygood	Yes	It's good
1/27/2024 7:51:30	remyashalis@carmelce	Dr. REMYA R	Assistant Professor	Carmel College of Engineering and Technology	7907639727	Excellent	Yes	Excellent	Yes	
1/27/2024 7:59:02	itssoumya.av@gmail.c	Soumya.A.V	Assistant Professor	Sree Narayana Gurukulam College of Engineering, Kaday	9747675093	Verygood	Yes	Verygood	Yes	
1/27/2024 8:06:53	anupriya.mohan9@gm	Anupriya Mohan	Assistant Professor	Viswajyothi College of Engineering and Technology	9539048060	Good	Yes	Verygood	Yes	
1/27/2024 8:12:46	ushusmariajoseph@mt	Ushus Maria Joseph	Assistant Professor	MBCCET, Peermade	9846916751	Verygood	Yes	Verygood	Yes	
1/27/2024 8:26:34	sijiprajjune9@gmail.co	Siji P Raj	Assistant Professor	PA AZIZ College of Engineering, Trivandrum	9495835684	Excellent	Yes	Excellent	Yes	Good.. Conduct more FDPs like this related to other topics
1/27/2024 8:36:22	anusmitha1991@gmail	ANUSMITHA A	Assistant Professor	Mangalam College of Engineering	9496216296	Verygood	Yes	Excellent	Yes	
1/27/2024 9:06:23	anand23sarvan@gmail	Dr.K.Aanandha Saravana	Associate Professor	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Sci	9840340939	Excellent	Yes	Excellent	Yes	Nil
1/27/2024 9:23:29	smithadeepak2006.snc	DR.SMITHA SURESH	PROFESSOR	SREE NARAYANA GURUKULAM COLLEGE OF ENGIN	9447990798	Excellent	Yes	Excellent	Yes	EXCELLENT
1/27/2024 9:43:01	eldhose.paul@mangala	Eldhose K Paul	Associate Professor	Mangalam College of Engineering	9947431992	Verygood	Yes	Verygood	Yes	
1/27/2024 10:19:19	cnkbabu63@gmail.com	Dr. Nelson Kennedy Bab	Professor	SIMATS (SAVEETHA) SCHOOL OF ENGINEERING , Ch	9994488669	Verygood	Yes	Excellent	Yes	No suggestions. Good 👍
1/27/2024 10:31:06	raihanath.as@mangala	Raihanath A S	Assistant Professor	Mangalam College of Engineering	7025302982	Verygood	Yes	Verygood	Yes	Good
1/27/2024 10:32:22	sandra.raju@mangalar	Sandra Raju	Assistant Professor	Mangalam College of Engineering	9562528650	Excellent	Yes	Excellent	Yes	
1/27/2024 10:47:46	afzal.a.l@gmail.com	Dr. Afzal A.L.	Assistant Professor-	College of Engineering, Muttathara	9447246553	Excellent	Yes	Verygood	Yes	
1/27/2024 11:00:32	simi3839@gmail.com	SIMI P THOMAS	Assistant Professor	ST JOSEPH ENGINEERING COLLEGE, MANGALURU	9447764297	Excellent	Yes	Excellent	Yes	
1/27/2024 11:19:03	vtd1252@veltech.edu.i	S. DAPHINE SHERIN M	RESEARCH SCHO	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Sci	6385118650	Verygood	Yes	Excellent	Yes	NIL
1/27/2024 11:20:37	jeswin.rs@gmail.com	Jeswin Shahul RS	Assistant Professor	MESCET, Kunnukara	9567645450	Good	Yes	Excellent	Yes	
1/27/2024 11:22:52	sijimol.as@mangalam.	Sijimol A S	Assistant Professor	Mangalam College of Engineering	9745050231	Verygood	Yes	Verygood	Yes	
1/27/2024 12:36:49	neethu.john01@manga	Neethu Maria John	Assistant Professor	Mangalam College of Engineering	9947472025	Verygood	Yes	Excellent	Yes	
1/27/2024 12:50:42	anjumol.zachariah@ma	Anjumol Zachariah	Assistant Professor	Mangalam College of Engineering	9496090293	Excellent	Yes	Excellent	Yes	
1/27/2024 12:54:41	renju.renjith@mangala	Renju Renjith	Assistant Professor	Mangalam College of Engineering	8281835751	Excellent	Yes	Excellent	Yes	Nil
1/27/2024 13:32:17	Shabanasalim11@gma	Shabana mol S	Assistant Professor	College of Engineering, Chengannur	8281871417	Excellent	Yes	Excellent	Yes	
1/27/2024 13:40:50	divya.sb@mangalam.in	Divya S B	Assistant Professor	Mangalam College of Engineering	9746452735	Excellent	Yes	Excellent	Yes	
1/27/2024 16:52:13	divya.cetcs@gmail.cor	Divya S	Assistant Professor-	College of Engineering, Aranmula	9995585963	Excellent	Yes	Excellent	Yes	
1/27/2024 16:58:01	nezrn.noushad@mang	Nezrin Naushad	Assistant Professor	Mangalam College of Engineering	9188367379	Verygood	Yes	Excellent	Yes	Good
1/27/2024 17:38:43	merlin.james@mangal	Merlin Mary James	Assistant Professor	Mangalam College of Engineering	9446477379	Excellent	Yes	Excellent	Yes	Nil
1/27/2024 18:21:47	nayana.panicker@man	Nayana N Panicker	Assistant Professor	Mangalam College of Engineering	8921959612	Excellent	Yes	Excellent	Yes	Nil
1/27/2024 19:27:33	Pvkncerc@gmail.com	PRAVEENA. K	Assistant Professor	Nehru College of Engineering and Research Center, Thris	9633692202	Verygood	Yes	Excellent	Yes	
1/27/2024 19:54:39	nimmykishore@sngce.	Nimmi M K	Assistant Professor	Sree Narayana Gurukulam College of Engineering, Kaday	9895670322	Excellent	Yes	Excellent	Yes	
1/28/2024 14:57:02	sruthy.emmanuel@ma	Sruthy Emmanuel	Assistant Professor	Mangalam College of Engineering	95678 02047	Excellent	Yes	Excellent	Yes	
1/28/2024 15:04:33	kingsly2k7@gmail.com	Dr.C.Sahaya Kingsly	Professor	Mangalam College of Engineering	9080846117	Excellent	Yes	Excellent	Yes	
1/28/2024 20:23:16	abraham.cg@mangala	Dr. Abraham C G	Professor&Head-EC	Mangalam College of Engineering	9447504888	Excellent	Yes	Excellent	Yes	
1/29/2024 9:28:50	neema.george@mang	Neema George	Assistant Professor	Mangalam College of Engineering	7591943283	Verygood	Yes	Verygood	Yes	Na
1/29/2024 9:52:33	gayathrirkrishna@sjcet	Gayathri R Krishna	Assistant Professor	St. Joseph's College of Engineering and Technology, Pala	8589083573	Verygood	Yes	Verygood	Yes	
1/29/2024 10:02:46	devinavinod@sjcetpala	Devina Vinod	Assistant Professor	St. Joseph's College of Engineering and Technology, Pala	8281730363	Excellent	Yes	Verygood	Yes	Good
1/29/2024 11:00:55	sabu.george@mangala	Dr. Sabu George	Associate Professor	Mangalam College of Engineering	9495224488	Excellent	Yes	Excellent	Yes	
1/29/2024 11:41:23	Shilpacvijayan@ceknp	Shilpa C Vijayan	Assistant Professor	College of Engineering, Karunagapally	9633587199	Excellent	Yes	Verygood	Yes	
1/29/2024 16:00:14	ashwani.vijayachandra	Ashwani Vijayachandran	Assistant Professor	Mangalam College of Engineering	7902246231	Excellent	Yes	Excellent	Yes	Nothing

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Google Meet Attendance Tracking Report

Meeting Name: vgz-ptpy-jgt

Date: 22-Jan-2024

Attendance Tracking Started At	:	6:25:40 PM
Attendance Tracking Stopped At	:	7:21:40 PM
Total Number of people Attended	:	119
Total Meeting Duration	:	55 min 57s

Detailed Attendance Report

Apply filter

Number Of People Attended More Than 65% Of Meeting: 88

Number Of People Attended Less Than 65% Of Meeting: 31

S.No	Participant Name	Attended Duration	Attended Percentage
1	AFZAL AL	30 min 43s	55%
2	AGAMYA PRAMOD	11 min 30s	21%
3	AJAY JAMES	53 min 11s	96%
4	AJMI JALEEL	34 min 29s	62%
5	AKHILA RAJ	53 min 56s	97%
6	AMRITHA SOLOMAN	10 min 30s	19%
7	ANJANAMOL PS	51 min 27s	92%
8	ANJU OMANAKUTTAN	55 min 57s	100%
9	ANJU PRABHA	53 min 43s	97%
10	ANJU VISWAM	55 min 39s	100%
11	ANJUMOL ZACHARIAH	0 min 58s	2%
12	ANOOP T. SASIDHARAN	0 min 21s	1%
13	ANU ANEESH	55 min 39s	100%
14	ANUJA ANN MANI	0 min 49s	2%
15	ARCHANALAKSHMI K S	55 min 41s	100%

S.No	Participant Name	Attended Duration	Attended Percentage
16	ASHWANI VIJAYACHANDRAN	55 min 57s	100%
17	ASST. PROF. ANVAR SADATH A K	55 min 57s	100%
18	ASWATHY T	55 min 57s	100%
19	ATHIRA BOSE	50 min 57s	92%
20	ATHIRA JALENDRAN	55 min 51s	100%
21	ATHIRA S NATH	20 min 0s	36%
22	BEETA NARAYAN	55 min 57s	100%
23	BETTY ANIL	20 min 7s	36%
24	BISNA N D	55 min 57s	100%
25	BLESMI ROSE JOSEPH	52 min 49s	95%
26	CHANDRALEKHA J	52 min 48s	95%
27	CHINCHU MPILLAI	55 min 45s	100%
28	CHINCHU PAULOSE	0 min 6s	1%
29	CHINTU MARIA THOMAS	55 min 57s	100%
30	CHITHRA RANI	49 min 11s	88%
31	DAVID NEELS	55 min 57s	100%
32	DEEPA DINESH	13 min 9s	24%
33	DEEPTHY S	54 min 41s	98%
34	DEVI DATH	52 min 35s	94%
35	DEVI DEVAPAL	55 min 57s	100%
36	DHANYA M	55 min 51s	100%
37	DIVYA S	55 min 57s	100%
38	DR. AANANDHA SARAVANAN K	55 min 57s	100%
39	DR. HENA M	51 min 53s	93%
40	DR. S PADMALAL	19 min 13s	35%
41	DR. SAHAYA KINGSLY	55 min 57s	100%
42	DR. SUMALATHA M S	53 min 30s	96%

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S.No	Participant Name	Attended Duration	Attended Percentage
43	DR.GOURI MOHAN	6 min 9s	11%
44	DR.REMYA R	55 min 45s	100%
45	DR.SOUMYA T	55 min 36s	100%
46	ELDA JOY	49 min 26s	89%
47	FARZEENA P A	55 min 57s	100%
48	GEETHU GOPAKUMAR	55 min 37s	100%
49	HASEENA M.K	44 min 5s	79%
50	HELINA SURESH	54 min 45s	98%
51	HIMAJA B M	19 min 32s	35%
52	HODCSE SMCOE	55 min 54s	100%
53	JEESHNA RAMJITH	49 min 43s	89%
54	JENNY G JOSEPH	0 min 33s	1%
55	JESWIN RS	55 min 41s	100%
56	JINU MATHAI	55 min 57s	100%
57	JINU MOHAN	55 min 57s	100%
58	JINU SAINUDEEN	55 min 57s	100%
59	JISHNU PRASAD	55 min 57s	100%
60	JITHA RAJAN	55 min 57s	100%
61	JMJ	55 min 57s	100%
62	JULIET JOHNY	55 min 43s	100%
63	JYOLSNA MARY	55 min 42s	100%
64	JYOTHY V	55 min 49s	100%
65	KEERTHANA R	36 min 7s	65%
66	KRISHNA JAIKUMAR	55 min 57s	100%
67	LACHUZ TECH POINT (LACHU)	55 min 38s	100%
68	LEENA Y	7 min 45s	14%
69	LIJIMOL K	55 min 57s	100%

S.No	Participant Name	Attended Duration	Attended Percentage
70	MANCY SHERIN	55 min 12s	99%
71	MEGHA M	36 min 3s	65%
72	MINNUJA SHELLY	55 min 51s	100%
73	MRIDHULA NATARAJ	48 min 8s	87%
74	MS. ANJU P - ASST PROFESSOR - CSE NIET	55 min 40s	100%
75	NAHALA M A	55 min 53s	100%
76	NEETHU JOHN	55 min 57s	100%
77	NEETHU KRISHNA	55 min 57s	100%
78	NEJMA M A	55 min 0s	99%
79	NELSON C	53 min 3s	95%
80	NELSON KENNEDY BABAU CHRISTOPHER	2 min 50s	6%
81	NEZNN NOUSHAD	0 min 13s	1%
82	NIKHIL JAYAKUMAR	55 min 57s	100%
83	NINEESHA P	55 min 57s	100%
84	NISHA MOHAN P M	43 min 42s	79%
85	NITHA S UNNI	11 min 3s	20%
86	NIVYAMOL P. VARGHESE	17 min 7s	31%
87	PREDEEP KUMAR	52 min 7s	94%
88	PURUS DA MASS	4 min 56s	9%
89	PV K	47 min 35s	86%
90	RAIHANATH A.S	20 min 39s	37%
91	RESHMILA S	55 min 43s	100%
92	RINSA REES	55 min 57s	100%
93	RIYA RAJAN	55 min 57s	100%
94	ROY TP	55 min 9s	99%
95	SANDHYA SUDARSANAN	30 min 57s	56%
96	SANOOJA BEEGAM	55 min 57s	100%

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S.No	Participant Name	Attended Duration	Attended Percentage
97	SHABANA MOL S	45 min 20s	82%
98	SHEMIMOL B	45 min 7s	81%
99	SHERIN ELIYAS	17 min 40s	32%
100	SIJI P RAJ	55 min 57s	100%
101	SILPA S KUMAR	55 min 41s	100%
102	SINDHU DANIEL	55 min 57s	100%
103	SITHARA SASIDHARAN	55 min 57s	100%
104	SIVA KUMAR	55 min 57s	100%
105	SMITA UNNIKRISHNAN	55 min 45s	100%
106	SOUMYA A M	55 min 41s	100%
107	SOUMYA AV	55 min 47s	100%
108	SOUMYA PV	19 min 58s	36%
109	SOUMYAMOL P.M	55 min 40s	100%
110	SREEVIDYA SIST	45 min 57s	83%
111	SRUTHY EMMANUEL	0 min 46s	2%
112	SUKANYA M V	30 min 6s	54%
113	SUMAYYA PI	55 min 41s	100%
114	SWABNA	51 min 50s	93%
115	SWETHA C. B.	55 min 57s	100%
116	THILAKAVATHI HARI	55 min 41s	100%
117	TINU THOMAS	18 min 31s	34%
118	VANI PRAKASH	4 min 17s	8%
119	VRINDA A	41 min 17s	74%

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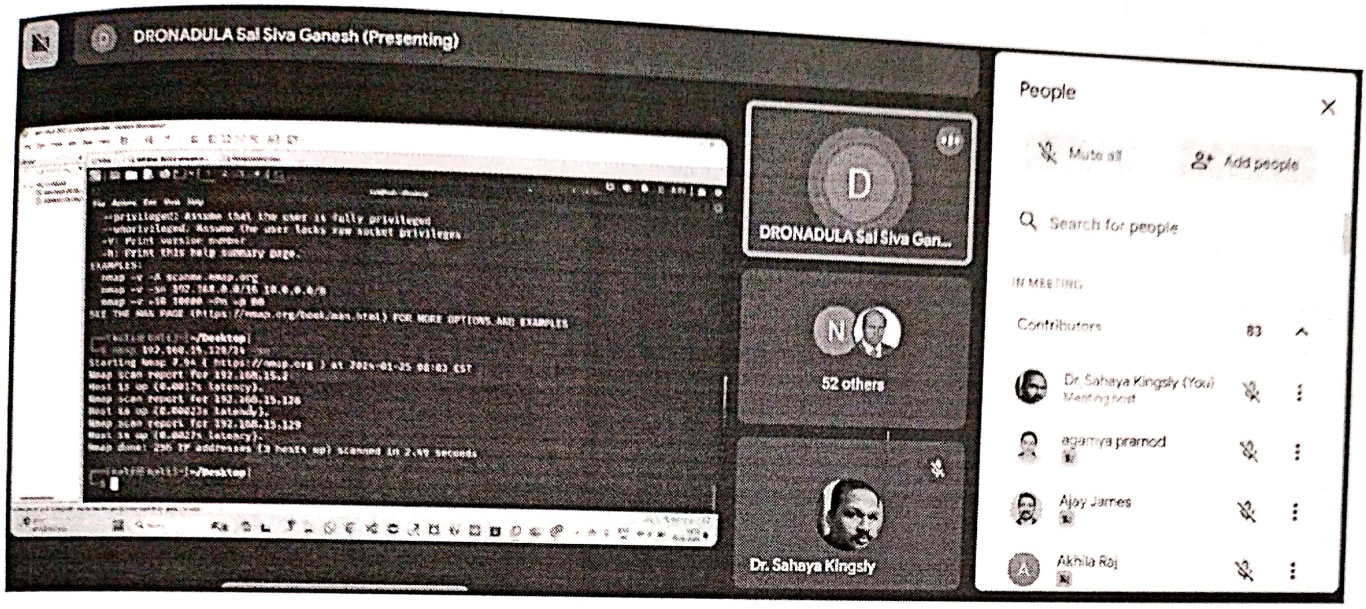

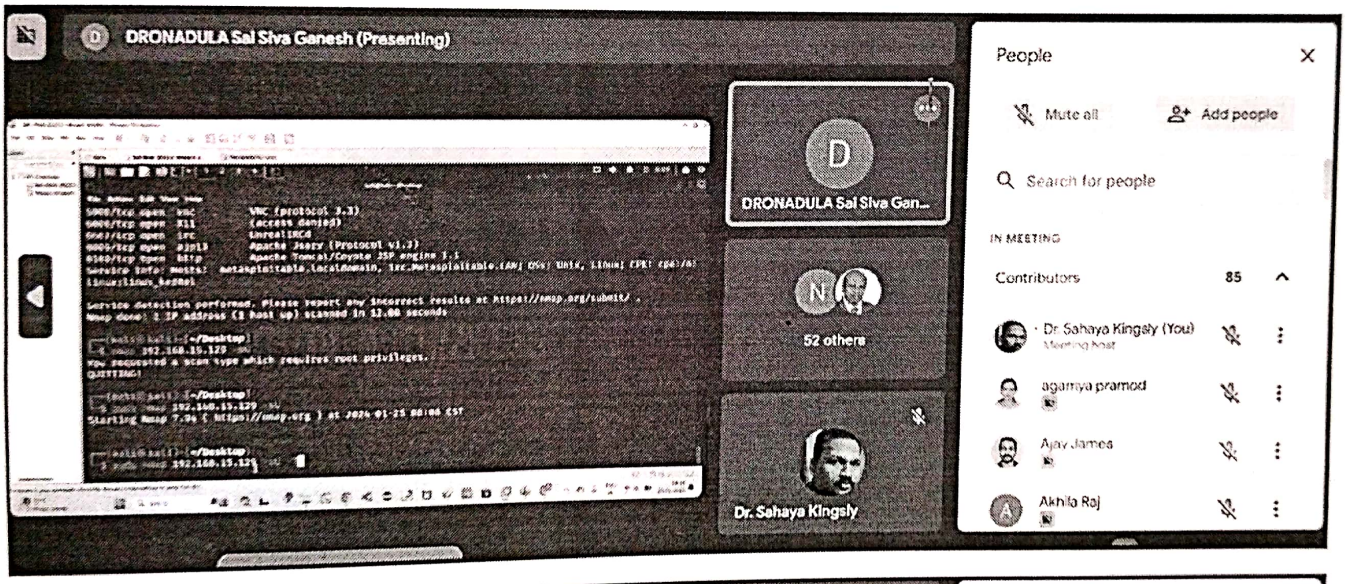

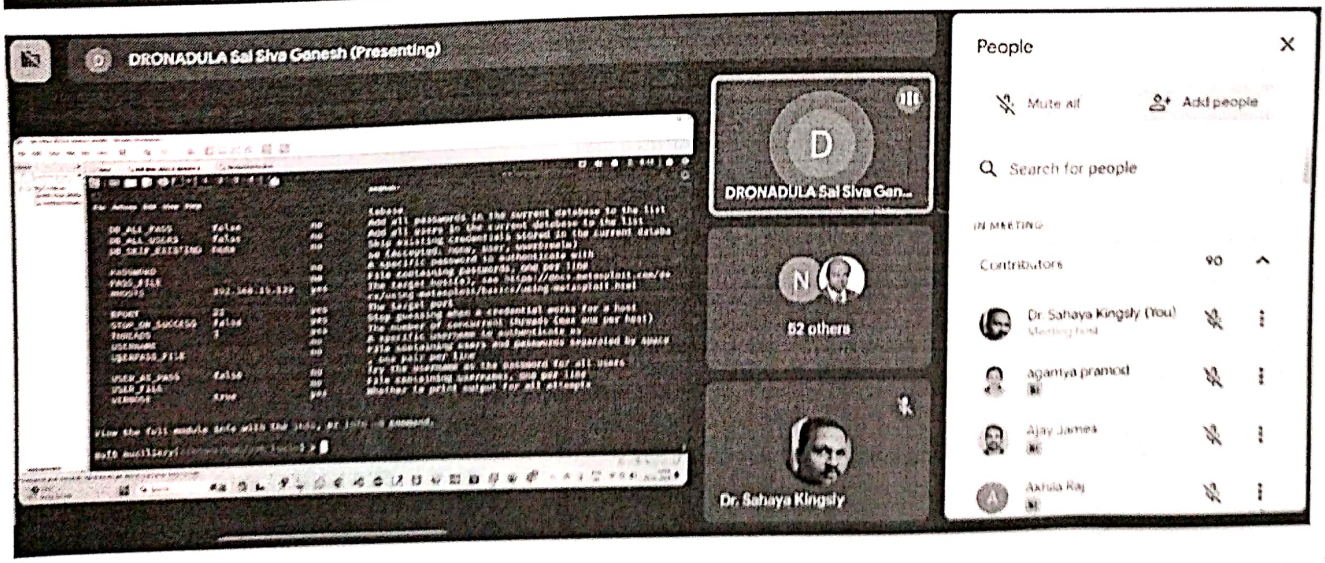

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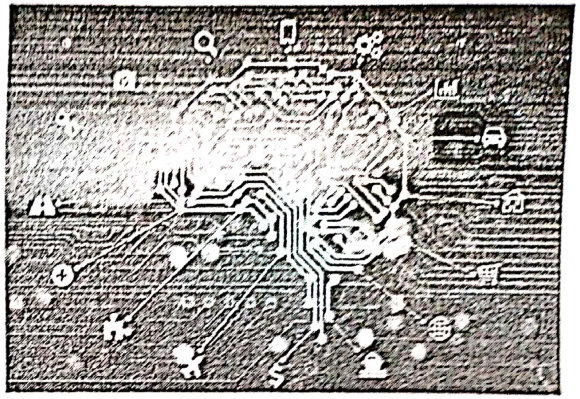
About Us

Mangalam College of Engineering (MLMCE) stands supreme in technical education with excellence and quality in education. Approved by the All-India Council for Technical Education (AICTE) and affiliated to the APJ Abdul Kalam University, Thiruvananthapuram and accredited by National Assessment and Accreditation Council (NAAC) , NBA for ECE, CSE ,Mechanical, Civiland MLM is promoted by the Mangalam Educational Society, with a mission to bring out leaders for a technology-driven environment.

The College has Technology Business Incubator and the startup supported by ECE is Mangdyna Technologies Pvt Ltd.

Speakers

Dr. M.Pallikonda Rajasekaran
Director -Research and Development, Senior Professor, KARE
Dr. Sowmya V, Associate Professor
Dr. G. Jyothish Lal,
Dr. B. Premjith,
Faculty of Amrita Center for Computational Engineering and Networking (CEN), Coimbatore



FACULTY DEVELOPMENT PROGRAM



The Intelligent Future: :

Unlocking the Potential of Artificial Intelligence

Chief Patron
Er. Biju Varghese
Chairman
Mangalam College of Engineering

Patron
Dr. Vinodh P Vijayan
Principal
Mangalam College of Engineering

Convenor
Dr. Abraham C G, HoD-Electronics and Communication Engineering

Coordinator
Dr. Radeep Krishna.R, Assoc-Prof,ECE
Dr. M.V.Rajesh, Vice Chairman-IETE Kochi Subsection, Assoc Prof, CEC

To Contact:
Dr.Radeep Krishna R
Associate Professor
Department of ECE
Mangalam College of Engineering
isf@mangalam.in
Ph: 8891224737

To Register for FDP
For IETE Members- Rs 200
For Non IETE Members-Rs 300
Please visit the Url
bit.ly/fdp-mlmce

IETE Technical Sponsored
Faculty Development Programme
03-07-2023 to 07-07-2023
(On-line Mode)
Organized By
Department of Electronics and Communication Engineering
and
IETE Students Forum
Mangalam College of Engineering
(Affiliated to KTU,NAAC & NBA Accredited)
https://www.mangalam.ac.in/

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Cir/IETE/2023-24

Date 01-07-2023

Circular

We are happy to inform you that the Department of ECE is organizing IETE Technical Sponsored FDP on The Intelligent Future: Unlocking the Potential of Artificial Intelligence from 03-07-2023 to 07-07-2023 in online mode (Time: 7 PM). All Staff, PG and Research Scholars are requested to attend.

GMEET Link

Google Meet joining info
Video call link: https://meet.google.com/tkt-zsoa-ktj
Or dial: (US) +1 803-956-0931 PIN: 992 260 844#

Dr. Abraham C G
Head
Electronics and Communication Engineering
Mangalam College of Engineering
Kottayam, India - 686 631

(Seal of the College)

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.13./07/ 2023

Report on IETE Technical Sponsored FDP on The Intelligent Future : unlocking the potential of Artificial Intelligence

Description of the events

The IETE Technical Sponsored FDP is organized by Department of ECE, Mangalam College of Engineering from 3-07-2023 to 07-07-2023 through online at 7 PM for 5 Days

The Resource persons for the event are

Dr M Pallikonda Rajasekaran (Director R&D,Senior Professor,KARE) taken AI for Image Processing on 3/7/2023 at 7 PM through Gmeet.

Dr Soumya V (Associate Professor Sr Gr, Amrita Vishwavidhyapeetham) taken AI for Agriculture on 4/7/2023 at 7 PM through Gmeet.

Dr G Jyothish Lal (Assistant Professor Sr Gr, Amrita Vishwavidhyapeetham) taken AI for Speech Processing on 5/7/2023 at 7 PM through Gmeet.

Dr B Premjith (Assistant Professor Sr Gr, Amrita Vishwavidhyapeetham) taken AI for Natural Language Processing on 6/7/2023 at 7 PM through Gmeet.

Dr Soumya V (Associate Professor Sr Gr, Amrita Vishwavidhyapeetham) taken AI for Biomedical Data Analysis on 7/7/2023 at 7 PM through Gmeet.

Content (Slides Included in next page onwards)

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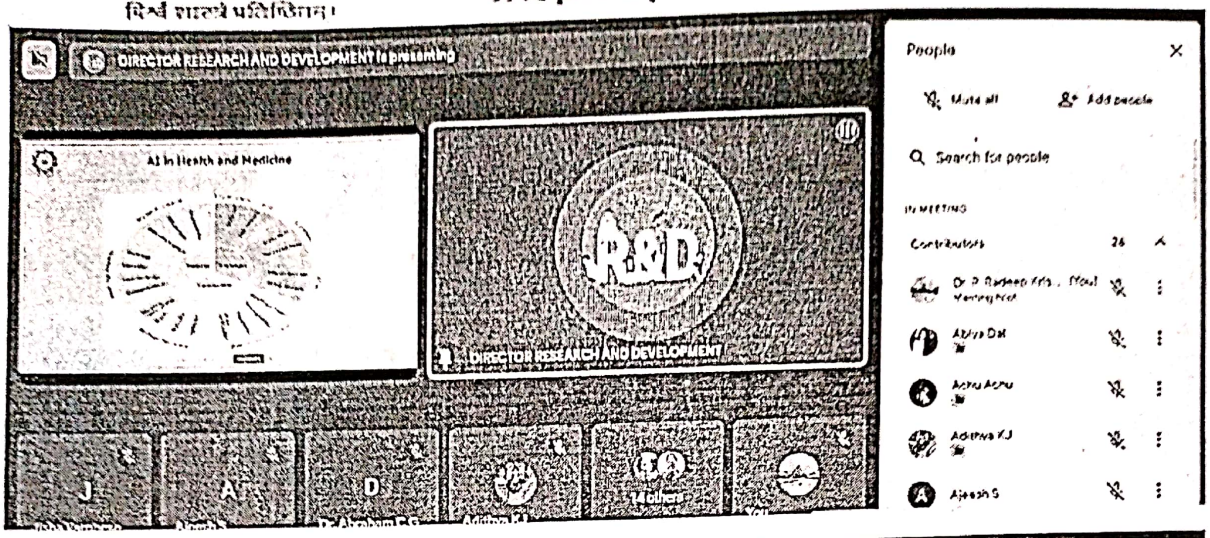

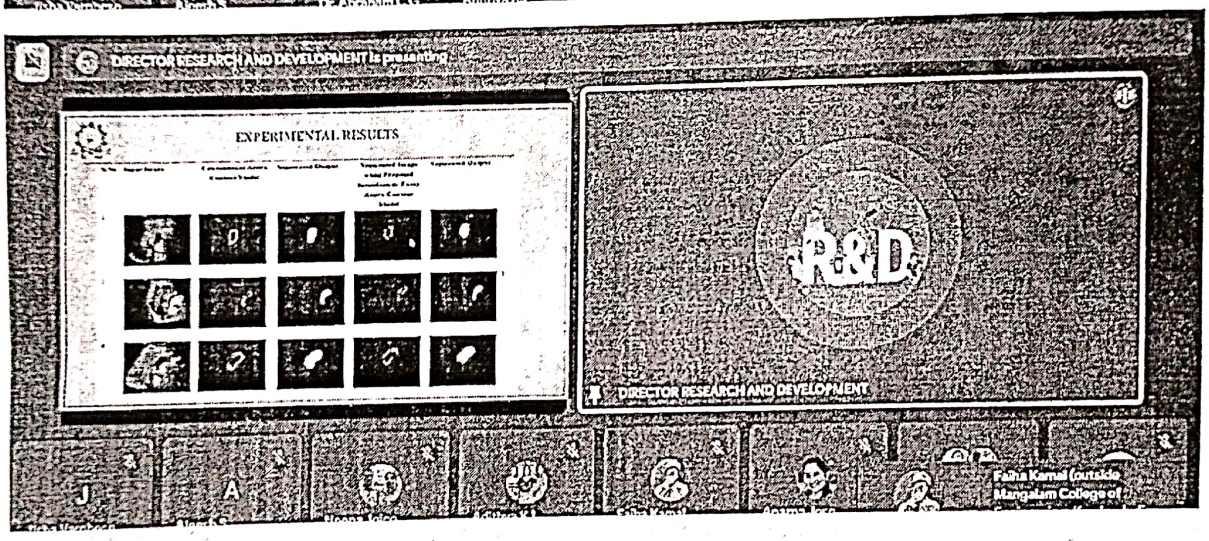

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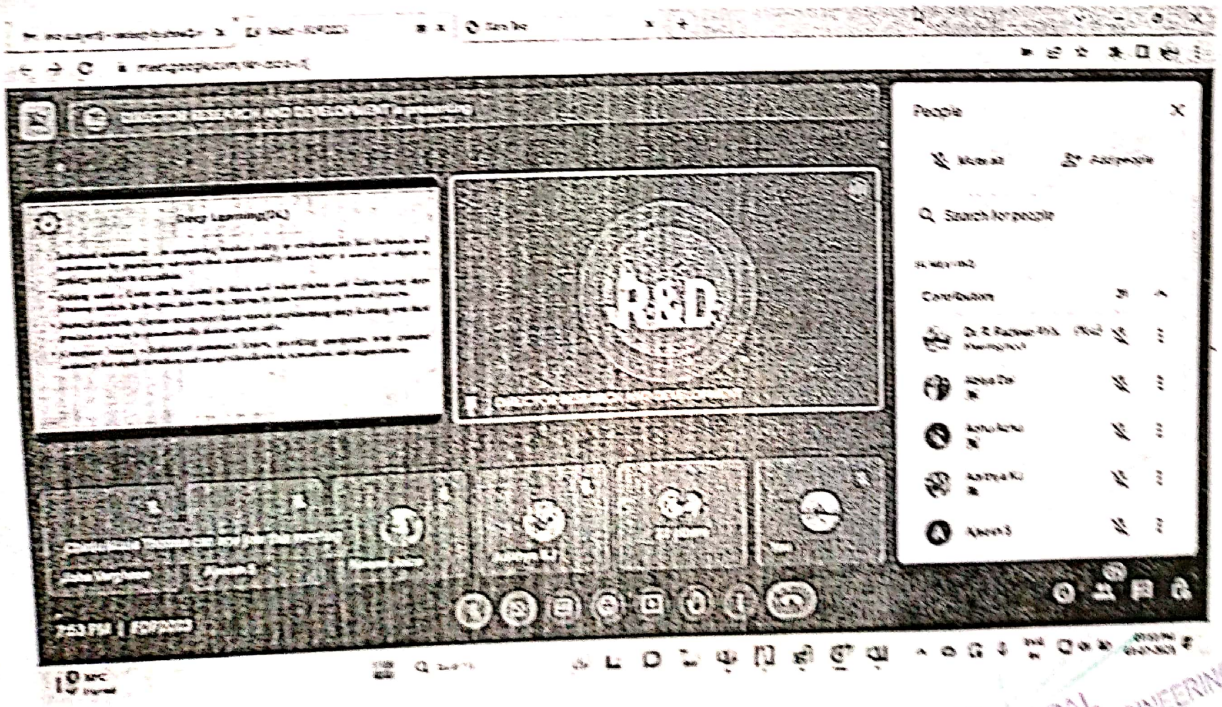

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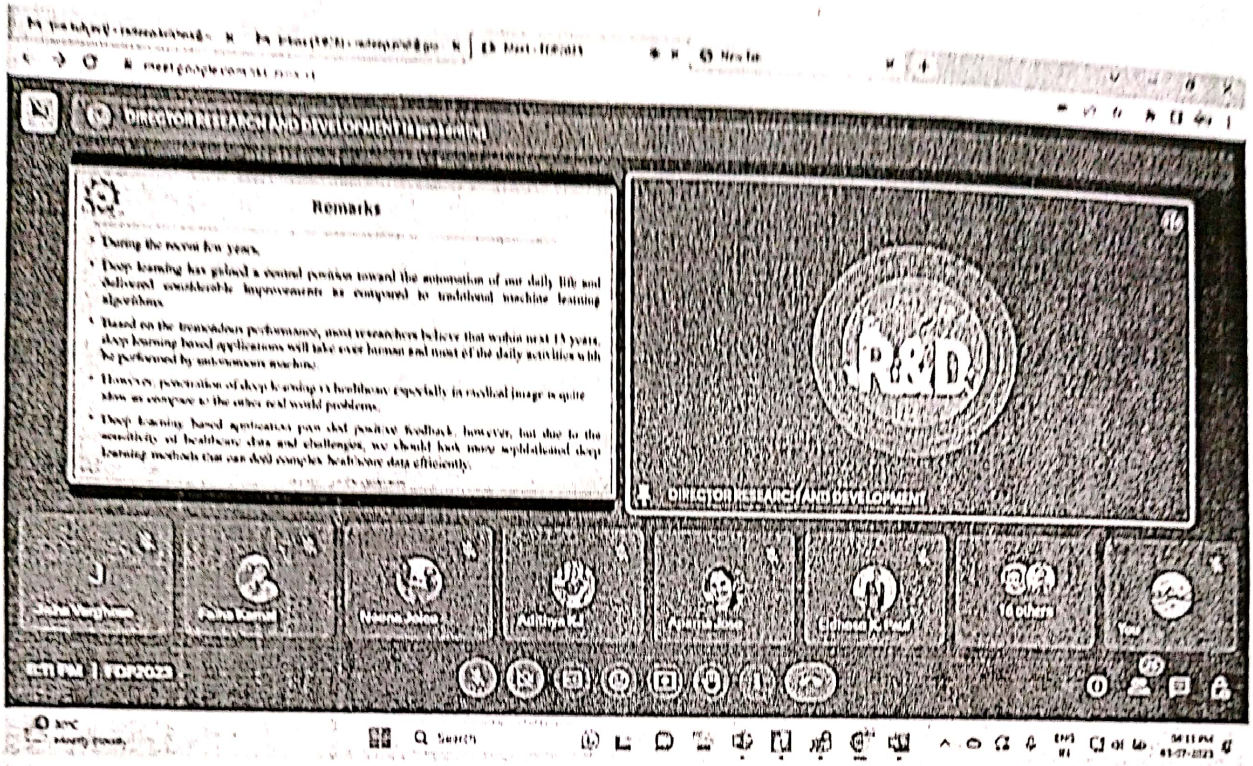
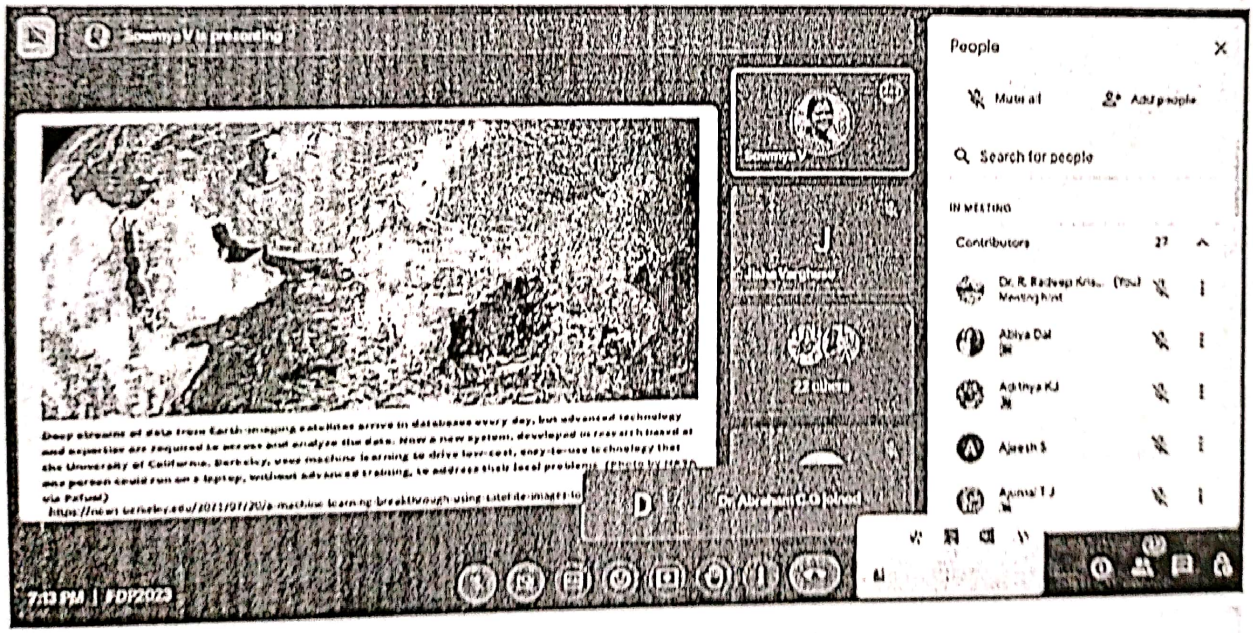


Session 2



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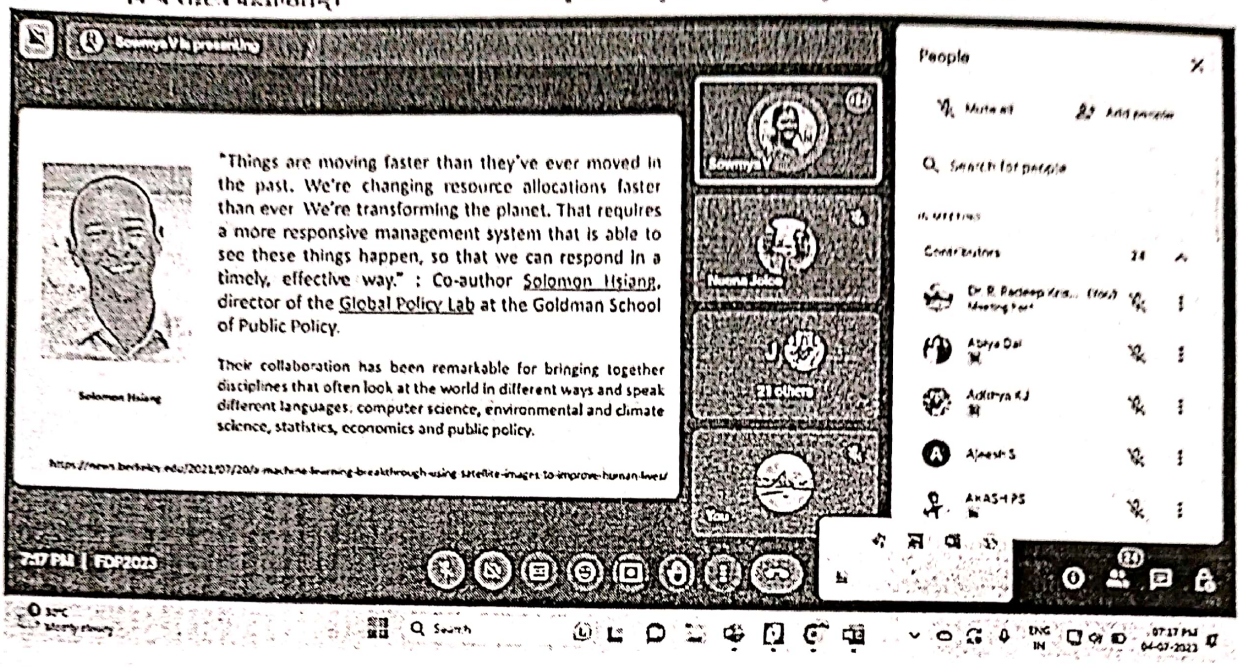

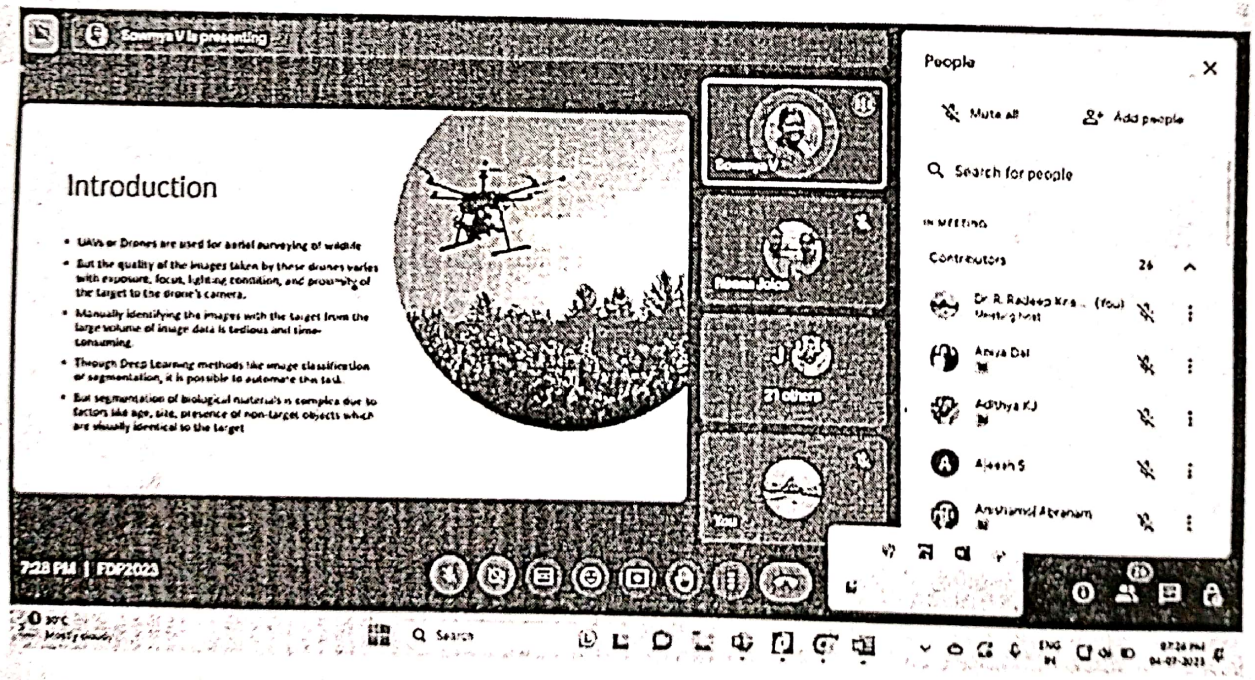

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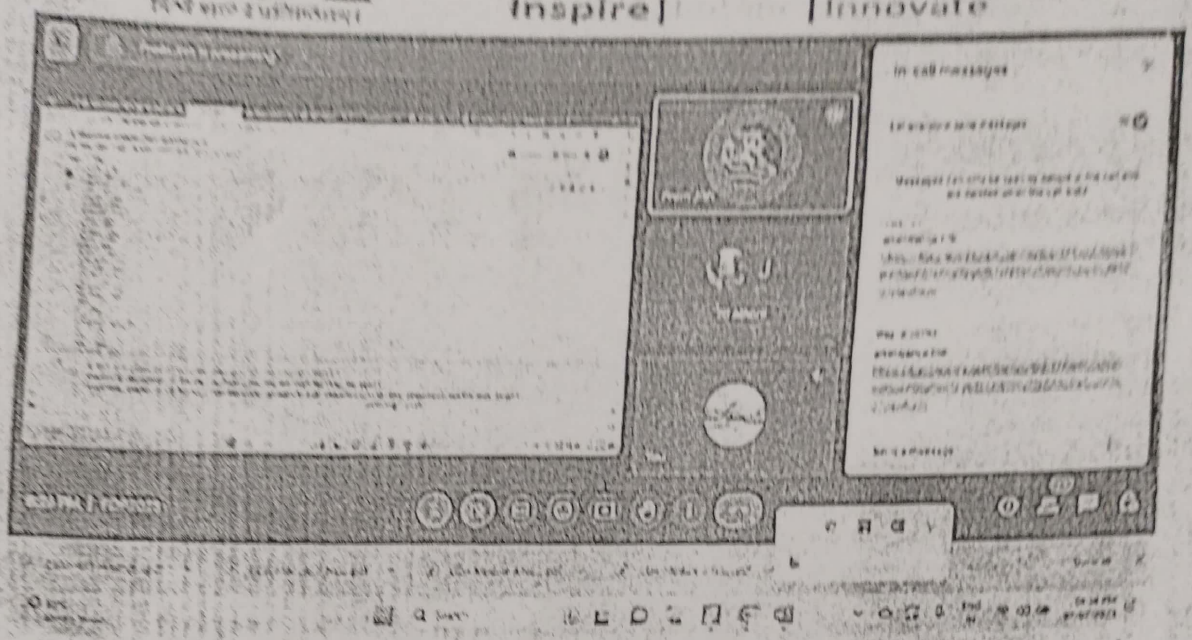

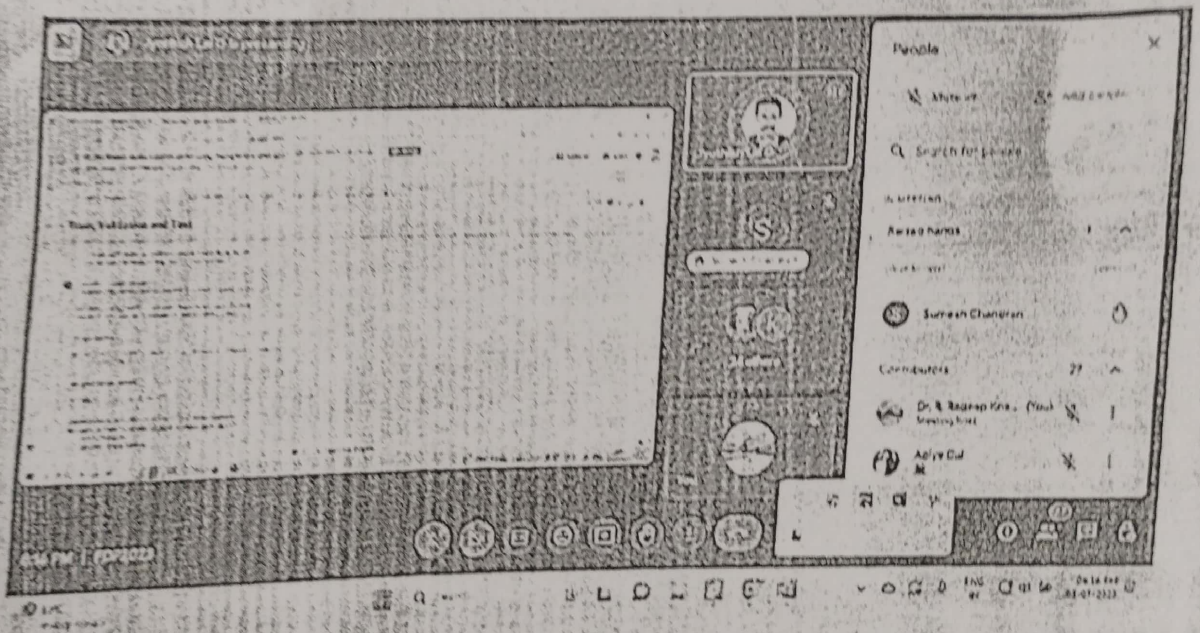

Outcome of the Event

In this FDP AI Applications were discussed in detail and covers the uses in different fields. The Faculty and PG students and IETE members benefitted from this content.

(Seal of the College)

Dr. Abraham C G
Professor & Head
Electronics and Communication Engineering
Mangalam College of Engineering
Kottayam, India - 686 631

Name & Signature of Attendee

Dr. Krishna R
Associate Professor.
Department of ECE
Mangalam College of Engineering

Dr. IQAC
Internal Quality Assurance Cell (IQAC)
Mangalam College of Engineering
Kottayam, India - 686 631

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Feedback of the Resource Person

Resource Person Name: Dr. M. Pallikonda Rajasekaran

Designation: Senior Professor, KARE

Affiliation/Address: KARE, Tamilnadu.

Contact Number: —

Email: —

Feedback of Attending the Event

Response: Excellent, Informative, participants are very attentative

Approval Rating (Pls Tick)

1	2	3	4	5	6	7	8	9	10 ✓

(Seal of the College)

Name & Signature of the In-Charge

Dr. Radeep Krishna R
Associate Professor,
Department of ECE
Mangalam College of Engineering

IQAC

Internal Quality Assurance Cell (IQAC)
Mangalam College of Engineering
Kottayam, India - 686 631

HoD/Convenor
Dr. Abraham C G
Professor & Head
Electronics and Communication Engineering
Mangalam College of Engineering
Kottayam, India - 686 631

(Seal)

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Feedback of the Participant

Participant Name: Aparna Jose

Designation: Assistant Professor

Affiliation/Address: Mangalam College, Kottumaroor

Contact Number: 9946290874

Email:

Feedback of Attending the Event

Response:

Very Good Sessions,

Approval Rating (Pls Tick)

1	2	3	4	5	6	7	8 ✓	9	10

Name &Signature of the Participant

(Seal of the College)

Name &Signature of the In-Charge
Dr. Radeep Krishna R
Associate Professor
Department of ECE
Mangalam College of Engineering

Dr Abraham C G
HoD/Convenor
Electronics and Communication Engineering
Mangalam College of Engineering
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Attendance of the IETE Technical Sponsored FDP on " Intelligent Future: Unlocking the Potential of Artificial Intelligence" held from 03-07-2023 to 07-07-2023

Date : 04/07/23

S.No	Name	Designation	Signature
1	Aparna Jose	Assistant Professor	[signature]
2	Lakshmi. M. Nair	Assistant professor	[signature]
3	Manya Stephen	Assistant professor	[signature]
4	Jyothi Sree K.R	Associate Professor	[signature]
5	Jibi K. Kunian	Assistant Professor	[signature]
6	SUMESH CHANDRAN	Assistant Professor	[signature]
7	Devika Sarath	Asst. Profer	[signature]
8	Dr. Abraham. C G	Prof & Head	[signature]
9	Ajeesh	Asst. Prof.	[signature]
10	BASEENA YOUSUF	ASST. PROFESSOR	[signature]
11	Dr. Deepthy Mary Alex	Associate Prof	[signature]

(Seal of the College)

Name & Signature of the In-Charge/Coordinator

HoD/Convenor

Dr. Abraham C G
(Seal) Professor & Head
Electronics and Communication Engineering
Mangalam College of Engineering
Kottayam, India - 686 631

MANGALAM COLLEGE OF ENGINEERING ETTUMANOOR Kottayam Kerala-686 631

Associate Professor
Department of Electronics
Mangalam College of Engineering

IQAC

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Attendance of the IETE Technical Sponsored FDP on " Intelligent Future: Unlocking the Potential of Artificial Intelligence" held from 03-07-2023 to 07-07-2023

Date : 05/07/23

S:No	Name	Designation	Signature
1	Aparna Jose	Assistant Professor	[signature]
2.	Lekshmi M. Nair	Assistant Professor	[signature]
3	Mariya Stephen	Asst. professor	[signature]
4	Jyothi Sue K R	Associate Professor	[signature]
5.	Jibi K. Kurian	Assistant Professor	[signature]
6.	SUMESH CHANDRAN	Assistant Professor	[signature]
7.	Devika Sarath	Asst. Prof.	[signature]
8.	Dr. Abraham C G	Prof & Head	[signature]
9.	[illegible] S	Asst Prof	[signature]
10	NASEENA YOUSUF	ASST. PROF	[signature]
11.	Dr. Deepthy Mary Alex	Associate Prof	[signature]

(Seal of the College)

Name & Signature of the In-Charge Coordinator

[signature]
Dr. Krishna R
Associate Professor,
Department of ECE
Mangalam College of Engineering

[signature]
HoD/Convenor
Dr. Abraham C G
(Seal) Professor & Head
Electronics and Communication Engineering
Mangalam College of Engineering
Kottayam, India - 686 631

[signature]
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Attendance of the IETE Technical Sponsored FDP on " Intelligent Future: Unlocking the Potential of Artificial Intelligence" held from 03-07-2023 to 07-07-2023

Date : 06/07/23

S.No	Name	Designation	Signature
1	Ajmeena Jose	Assistant Professor	[signature]
2	G. Rshmi. M. Nair	Assistant Professor	[signature]
3	Mariya Stephen	Asst. professor	[signature]
4	Jyothirmai K. R	Associate Professor	[signature]
5	Jibi K. Kurian	Assistant Professor	[signature]
6	Sumkh Chandran	Assistant professor	[signature]
7	Devika Sasath	Asst. Prof	[signature]
8	Dr. Abraham C. G.	Prof, Head	[signature]
9	Moosh S	Asst. Prof	[signature]
10	RASEENA YOUSUF	ASST. PROFESSOR	[signature]
11	Dr. Deepthy Mary Alex	Associate Prof	[signature]

(Seal of the College)

Name & Signature of the In-Charge Coordinator

Dr. Radeep Krishna R
Associate Professor,
Department of ECE
Mangalam College of Engineering

HoD/Convenor
Dr. Abraham C G
Professor & Head
(Communication Engineering
Mangalam College of Engineering
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Attendance of the IETE Technical Sponsored FDP on "Intelligent Future: Unlocking the Potential of Artificial Intelligence" held from 03-07-2023 to 07-07-2023

Date : 07/07/23

S:No	Name	Designation	Signature
1.	Aparna Jose	Assistant Professor	
2.	Lekshmi M Nair	Assistant professor	
3.	Maalya Stephen	Asst. Professor	
4.	Jyothisha K R	Associate Professor	
5.	Jibi K Kurian	Assistant Professor	
6.	Sumesh Chandran	Assistant Professor	
	Devika Gopath	Asst. Prof.	
8.	Dr. Abraham C G	Prof & Head	
9.	Anish S	Asst. Prof.	
10	RASEENA YOUSUF	ASST. PROF.	
11	Dr. Deepthy Mary Alex	Associate Prof	

(Seal of the College)

Name & Signature of the In-Charge

Dr. Rajesh Krishna R
Associate Professor
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HoD/Convenor
Dr. Abraham C G
Professor & Head
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Report – International Conference (ICRTVC'24)

Date: 25.04.2024

Conference Name: **International Conference on Recent Trends in VLSI and Communication Systems (ICRTVC'24)**

Date: April 18th & 19th, 2024

Location: Mangalam College of Engineering, Ettumanoor, Kerala

The 3rd International conference, **ICRTVC'24** was organized and conducted by the Department of Electronics & Communication Engineering on 18th & 19th of April 2024 in Hybrid mode. Several participants across India participated in this event.

Day 1: 18th April 2024

The conference commenced on 18th April, 2024 at 10 am with an inaugural session that marked the beginning of two days of insightful discussions and knowledge sharing. Dr. Lavanya Settipalli, Assistant Professor at IIIT Kottayam, graced the occasion as the chief guest, adding prestige to the event. Meeting began with a prayer song by few students of ECE department. Dr. Abraham C. G., HoD of ECE Dept. welcomed the gathering followed by an inspiring presidential address by the Principal, Dr. Vinodh P. Vijayan. Vice Principals, Ms. Neema George and Dr. Arun Jose also graced the occasion. The inaugural session concluded with a vote of thanks delivered by Dr. Deepthy Mary Alex, the conference chair.

Following the inaugural session, attendees were treated to a thought-provoking keynote address by Dr. M. Madheshwaran (Former chairman of IEEE society India (solid state devices), Pincipal of Muthayammal Engineering College, Salem), setting the stage for the themes and discussions of the conference. This was followed by a series of engaging presentations by experts and researchers in the field, covering a diverse range of topics and showcasing the latest advancements and research findings.

Day 2: 19th April 2024

The second day of the conference, 19th of April, commenced at 10 am with another stimulating keynote session by Dr. Renu Jose (Associate Professor, Govt. Engg. College, Idukki), providing attendees with further insights and perspectives on key issues within Machine learing and the future of mankind with artificial intelligence. Additionally, Dr. Renu Jose unveiled the name of next year's conference. Following the keynote, participants had the opportunity to attend additional presentations, deepening their understanding of the subject matter and fostering lively discussions. As the conference drew to a close, organizers and participants came together for the conference closure session, reflecting on the highlights and key takeaways from the event. Gratitude was expressed to all speakers, sponsors, and attendees for their contributions towards making the conference a success.

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✓ The conference schedule is given below for reference

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Department of Electronics and Communication Engineering

...tional Conference on Recent Trends in VLSI and Communication Systems (ICRTVC'24)
18th - 19th April 2024

To be held in Hybrid mode

Day 1: 18th April 2024, Thursday

Time	Session	Session Details
...30-10.45 am	Opening	Welcome address & Inaugural ceremony
...5-11.00 am	Tea Break	
...00-11.45 am	Keynote Speech	Dr. M. Madhavan (Former chairman of IEEE, Trichy Section (India) and now working as Professor of Electronics and Communication Engineering, Caledonian College, Muscat)
		Session Chair: Dr. M. Kalyanasundaram (Dean (R&D))

Time	Paper ID	Presenting Author	Paper Title
11.50-12.00 pm	10	Dr. Nidhi Gour	FACE RECOGNITION USING EIGENFACE VECTORS
12.00-12.10 pm	12	Disha Tripathi	ADVANCING PARKINSON'S DISEASE DETECTION: LEVERAGING DEEP NEURAL NETWORKS FOR ENHANCED DIAGNOSIS
12.10-12.20 pm	13	Gowtham Gurusamy	TREE FALLING DETECTION WITH LIVE DETECTION
12.20-12.30 pm	01	Abhishek VS	CONTACTLESS NEONATAL MONITORING SYSTEM
12.30-12.40 pm	04	Abhishek A	FARMHAND - SMART ROBOT FOR FOOTBALL DEVELOPMENT
12.40-12.50 pm	02	Aswin CS	CARDIOCARE: EMBEDDED PHONOCARDIOGRAM SYSTEM WITH DIGITAL STETHOSCOPE USING AI

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	12.10-1.00 pm	68	Sruthi P	ATTENDWISE (v1.0) - AN ADVANCED ATTENDANCE MONITORING SYSTEM FOR CLASSROOM
1.00-2.00 pm	Lunch Break			
2.00 - 3.00 pm	2.00-2.10 pm	27	Arpitha Anil	EXAMINATION OF VARIOUS STEPS IN DETECTION OF VISUALLY IMPAIRED
	2.10-2.20 pm	28	Sreyhana Aboobacker Thekkekkara S	SMART WHEEL - DUAL WHEEL ELECTRIC BICYCLE – A REVIEW
	2.20-2.30 pm	31		IOT BASED SMART SHOPPING CART
	2.30-2.40 pm	03	Laxmitreya	ENHANCED KNEE SUPPORT ORTHOTIC BRACE FOR ELDERLY INDIVIDUALS WITH OSTEOARTHRITIS TO ALLEVIATE JOINT LOAD
	2.40-2.50 pm	33	Reyitha Rajendran	COMPUTER VISION BASED ORTHOSIS ORIENTATION MEASUREMENT SYSTEM USING 3 AXIS ACCELEROMETER
	2.50-3.00 pm	61	Angelo S Menon	DRIVER'S FACE DETECTION SYSTEM WITH INTEGRATED RADIO STIMULATOR TO DEPLOY SAFETY
3.00 pm	End of Day 1			

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Day 2: 19th April 2024, Friday

Time	Session	Session Details
10.00 – 10.45 am	Keynote Speech	Dr. Rose Jose (Associate Professor, Govt. Engg. College, Idukki)
10.45-11.00 am	Tea Break	
	Session Chair: Dr. J Dinesh Kumar	

Time	Paper ID	Presenting Author	Paper Title
11.00-11.10 am	06	Ebenezer Kulandaisamy	PEDIATRIC LARYNGOSCOPE USING VIDEO PROCESSING
11.10-11.20 am	07	Anfa Thasneem	PNEUMONIA DETECTION DEVICE FOR VENTILATOR ASSOCIATED PNEUMONIA
11.20-11.30 am	17	Dawn K Davis	PORTABLE CPR ASSITIVE DEVICE
11.30-11.40 am	16	G.Krishna Vem	EFFICIENT DESIGN AND IMPLEMENTATION OF VEDIC CUBE CALCULATOR USING QUANTUM DOT CELLULAR AUTOMATA (QCA)
11.40-11.50 pm	18	Aswani TJ	IOT BASED SOLAR POWERED AIR PURIFIER WITH AIR QUALITY MONITORING SYSTEM
11.50-12.00pm	34	Angel Chacheck	AUTOMATIC SOLAR PANEL CLEANING SYSTEM BASED ON IOT
12.00-12.10 pm	19	Alfrid A	IOT BASED WHEELCHAIR WITH ADVANCED TECHNOLOGY
12.10-12.20 pm	20	Aswin P T	2 X 2 ELECTRIC BICYCLE
12.20-12.30 pm	21	Ajay Baskary	ASSISTANCE SYSTEM FOR THE VISUALLY CHALLENGED
12.30-12.40 pm	22	Rahul R Nath	HANDS FREE SHOPPING CART WITH SELF CHECKOUT
12.40-12.50 pm	23	Able Thomas	LOW COST CNC MACHINE FOR PCB DESIGNING

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Department of Electronics and Communication Engineering

	12.50-1.00pm	26	Alfrid K Sawan	A REVIEW ON IOT BASED SOLAR POWERED AIR PURIFIER WITH AIR QUALITY MONITORING SYSTEM
1.00-2.00 pm	Lunch Break			
2.00 - 3.00 pm	2.00-2.10 pm	10	Rexmith Zachariah	SAHAYA - A SMARTPHONE IOT BASED BOT FOR GERIATRIC CARE
	2.10-2.20 pm	33	Nourin Nila Nazar	IOT BASED ACCIDENT DETECTION AND ALERTING SYSTEM
	2.20-2.30 pm	30	Adora Saji	IOT SENSOR BASED HAND EYE A SENSORY NAVIGATION AID FOR THE VISUALLY IMPAIRED
	2.30-2.40 pm	29	Abiya Dal	IOT BASED ENERGY ANALYZER USING ENERGY SCHEDULING AND SAVINGS ALGORITHM
	2.40-2.50 pm	24	Arjun Krishna K M	PIEZOELECTRIC ENERGY HARVESTING SYSTEMS WITH EV CHARGING SUB INTEGRATION
	2.50-3.00 pm	25	Lavanya K	THE ELECTRICAL SKATEBOARD
3.00-3.30 pm	Vote of Thanks & End of ICRTVC'24			

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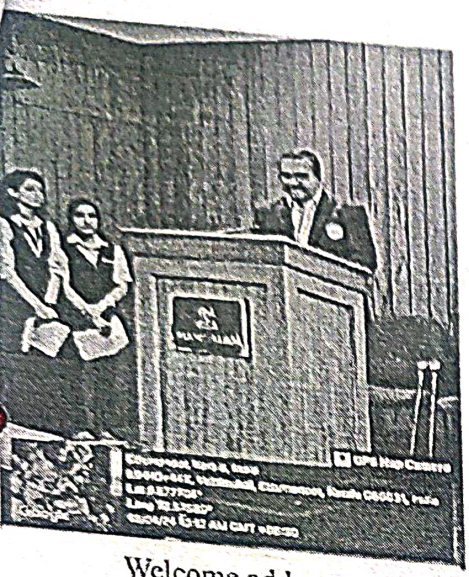
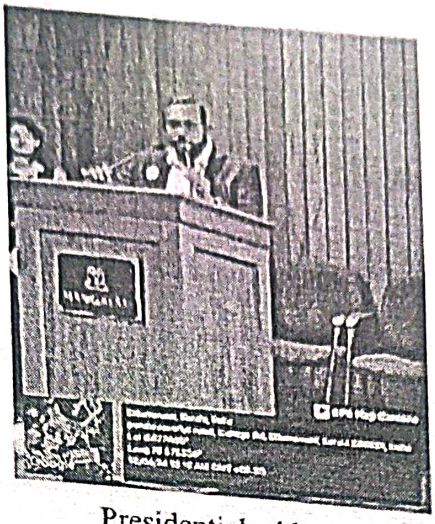
✓ **Some Highlights of the ICRTVC'24 is given below:**

Day 1:



Welcome address



Presidential address



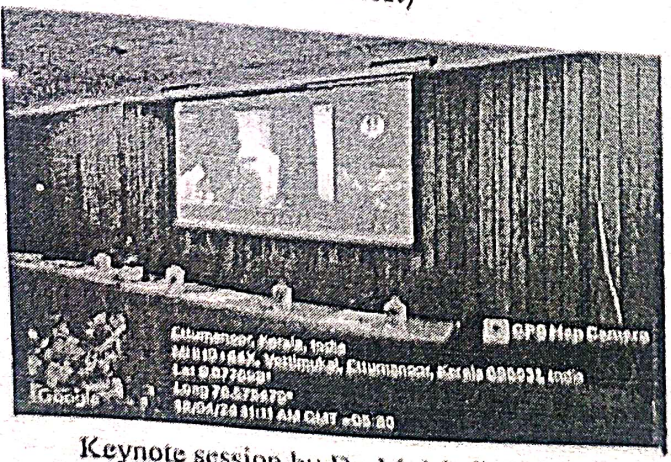
Participants of Day 1



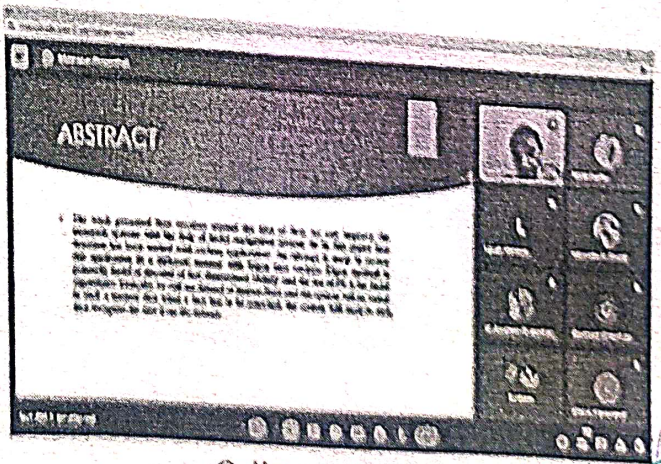
Inauguration by Dr. Lavanya Settipalli
(Chief Guest)



Conference proceedings release



Keynote session by Dr. M. Madheswaran



Online presentation

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Day 2:



Key Session by Dr. Renu Jose



Participants of Day 2



Unveiling of next year's conference name



Presentation

PRINCIPAL
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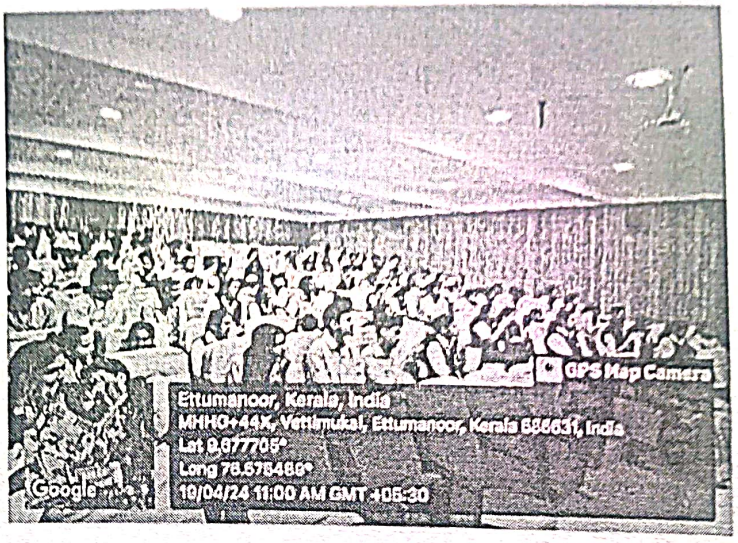
Day 2:



Key Session by Dr. Renu Jose



Participants of Day 2



Unveiling of next year's conference name



Presentation

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

✓ **Outcome of the Event:**

ICRTVC'24 provided a platform for researchers, academicians, and industry professionals to exchange ideas, share insights, and forge meaningful connections. With engaging keynote sessions, informative presentations, and lively discussions, the conference served as a catalyst for advancing knowledge and driving innovation in the field of Artificial Intelligence in VLSI and Communication Systems. As attendees departed with newfound knowledge and inspiration, the stage was set for the continued success of the conference series in the years to come.

Dr. Abraham. C S
HoD/ Convenor

25/4/24
Dr. Deepthy Mary Alex
Name & signature of In-charge

Principal

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Feedback of the Participants of ICRTVC'24

Name : Afssy Basheer

Branch/College : ECE / MLM

Semester : S8

Contact Number : 8606615376

Email : afssybasheer369@gmail.com

Feedback of Attending the Event : ICRTVC'24

Response: The conference was good and very informative

Approval Rating (Pls Tick)

1	2	3	4	5	6	7	8	9 ✓	10

HoD/ Convenor

Dr. Deepthy Mary Alex
Name & signature of In-charge

Dr. Abraham C G
Professor & Head
Department of Electronics & Communication Engineering
Mangalam College of Engineering
Kottayam, India - 686 631

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Feedback of the Participants of ICRTVC'24

Name : Jisha Gigi

Branch/College : Mangalam College of Engineering

Semester : '26'

Contact Number : 9110183318

Email : jishavarghese438@gmail.com

Feedback of Attending the Event : ~~The event was well organised~~ ICRTVC'24

Response: The event was well organised and the speaker was understoodable and interective

Approval Rating (Pls Tick)

1	2	3	4	5	6	7	8	9	10 ✓

Dr. Deepthy Mary Alex
Name & signature of in-charge

HoD/ Convenor

Dr. Abraham C G
Professor & Head
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Feedback of the Participants of ICRTVC'24

Name : Alphy Eliza Jose

Branch/College : ECE / MLM

Semester : ~~S8~~ S4

Contact Number : 6238479430

Email : alphy82@gmail.com

Feedback of Attending the Event : Icrtcv'24

Response: The sessions were good and easy to understand

Approval Rating (Pls Tick)

1	2	3	4	5	6	7	8	9 ✓	10

HoD/ Convenor

Dr. Abraham C G
Professor & Head
Department of Electronics and Communication Engineering
Mangalam College of Engineering
Kottayam, India - 686 631

Dr. Deepthy Mary Alex
Name & signature of In-charge

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Feedback of the Resource Person of ICRTVC'24

Resource Person Name : DR M MADHESWARAN

Designation : PRINCIPAL

Affiliation/Address : MUTHAYAMMAL ENGINEERING COLLEGE, SALEM

Contact Number : 9994727725

Email : madheswarandr@gmail.com

Feedback of Attending the Event : ICRTVC'24

Response: Conference was good

Approval Rating (Pls Tick)

1	2	3	4	5	6	7	8	9 ✓	10

Dr M MADHESWARAN
Name &Signature of the Resource Person

Dr. Deepthy Mary Alex
Name & signature of In-charge

HoD/ Convenor

Dr. Abraham C G
Professor & Head
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Mangalam College of Engineering
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Feedback of the Resource Person of ICRTVC'24

Resource Person Name	: Dr. Renu Jose
Designation	: Associate Professor
Affiliation/Address	: Govt. Engineering College Idukki
Contact Number	:
Email	: renujose@gecidukki.ac.in
Feedback of Attending the Event	: ICRTVC'24

Response: Efficient and well coordinated conference

Approval Rating (Pls Tick)

1	2	3	4	5	6	7	8	9	10 ✓

Dr. Renu Jose
Name &Signature of the Resource Person

HoD/ Convenor

Dr. Deepthy Mary Alex
Name & signature of In-charge

Dr. Abraham C G
Professor & Head
Electronics and Communication Engineering
Mangalam College of Engineering
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ICRTVC'24 - Attendance Sheet Date 18./04/2024

Sl.No.	Participants Name	Designation	Year/Branch/Section	Signature
1.	Shincy M Obachan	Asst. Professor		
2.	Meera Panicker P R	Asst. Professor		
3.	Jiyosh Mathew	Asst. Prof		
4.	Mariya Stephen	Asst. Prof		
5.	Devika Sasidh	Asst. Prof		
6.	SUMESH CHANDRAN	Asst Prof		
7.	Akash. S	Asst Prof		
8.	Aparna Jose	Asst. Prof		
9.	Jyothisree K.R	Assoc. Prof		
10.	Dr. Deepthy Mary Alex	Assoc. Prof		
11.	Harikrishnan S	Student	ECE S6	
12.	Nibhamol	Student	ECE S6	
13.	Afna Salim	Student	ECE S6	
14.	Karthika	Student	S6 ECE	
15.	Elwin Jose	"	S2 ECE	
16.	Binil Sunny	"	"	
17.	Deepak S	"	"	
18.	Samya Santosh	"	"	
19.	Krishnadev G	"	"	
20.	Ayan Rajeev	"	"	

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ICRTVC'24 - Attendance Sheet Date : 19/04/2024

Sl.No.	Participants Name	Designation	Year/Branch/Section	Signature
1.	Arjun Krishna	Student	S8 - ECE	Arjun
2.	Teril Sojan	Student	S8 - ECE	Teril
3.	JITHIN G THOMAS	STUDENT	S8 ECE	
4.	Dirka Raj	Student	S8 - ECE	Dirka
5.	Rahul R Nath	Student	S8 - ECE	Rahul
6.	Afssy Basheer	Student	S8 ECE	Afssy
7.	Stephane Abraham	Student	S8 ECE	Stephane
8.	Aswin PT	student	S8 ECE	Aswin
9.	Anagha Rajesh	Student	S8 ECE	Anagha
10.	Sebin PS	Student	S8 ECE	Sebin
11.	Alfin Prasad	Student	S8 ECE	
12.	Joel V Saji	Student	S8 ECE	Joel
13.	Anandu P	student	S8 ECE	
14.	Justin Emmakose	Student	S8 ECE	
15.	Abel Thomas	Student	S8 - ECE	Abel
16.	ABISON SHIBU	STUDENT	S8 ECE	
17.	Shan B Mathews	Student	S8 ECE	
18.	Varghese Joseph	Student	S8 - ECE	
19.				
20.				

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ICRTVC'24 - Attendance Sheet **Date :12/04/2024**

Sl.No.	Participants Name	Designation	Year/Branch/Section	Signature
1.	Anzar Basheer	Student	ECE S6	
2.	Jithin Joy	Student	ECE S6	
3.	Vidhu Mohan	Student	ECE S6	
4.	P.Adhilakshmi chandralekha	student	ECE S6	
5.	Tisha Grigi	Student	ECE S6	
6.	Kavitha Sunil	Student	ECE S6	
7.	Nouran Nila Nazar	Student	ECE S6.	
8.	Achu Jayaman	student	ECE S6	
9.	Vishnu Sasi	Student	ECE S6	
10.	Adithyan Anoop	Student	ECE S6	
11.	AKSHAY GOPAL	Student	ECE S6	
12.	Aswin Santhosh	Student	ECE S6	
13.	Abiya Dal	Student	ECE S6	
14	Abhishek Thulasidharan	student	ECE S6	
15	Adithya .KJ	student	ECE S6.	
16.	Jeffin	Student	ECE S6	
17	Melvin	student	ECE S6	
18.				
19.				
20.				

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ICRTVC'24 - Attendance Sheet **Date 18/04/2024**

Sl.No.	Participants Name	Designation	Year/Branch/Section	Signature
1.	Jasmin Anna John	Student	S4 ECE	
2.	Parvathy Adivekkal Kiran	Student	S4 ECE	
3.	Praveen V Nair	Student	S4 ECE	
4.	Bigil Paul Basil	student	S4, ECE	
5.	Nikhil Krishna G	Student	S4 ECE	
6.	Nirmal Krishna G	Student	S4 ECE	
7.	Davika Dileep	Student	S4 ECE	
8.	Devakrishnan P.H	Student	S4 ECE	
9.	Aber Baby	Student	S4 ECE	
10.	Sarang	Student	S8 ECE	
11.	Anandhu S. Arun	Student	S4 ECE	
12.	Alphy Eliza Jose	student	S4 ECE	
13.	Nadasha Biso	Student	S4 ECE	
14.	Aryan k Reji	Student	S4 ECE	
15.	Ajna R Shah	Student	〃	
16.	Aryan K Sajith	Student	〃	
17.	Archa K Manoj	Student	〃	
18.	Shifa Mariam	Student	〃	
19.	Noora Ayoob	student	〃	
20.	Joel K Shaji	Student	〃	

HEAD OF THE DEPARTMENT
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ICRTVC'24 - Attendance Sheet Date 18/04/2024

Sl.No.	Participants Name	Designation	Year/Branch/Section	Signature
1.	Adithya Anup	Student	1st, ECE, S2	Adithya
2.	Devinandhana	Student	"	[illegible]
3.	Arya S pillai	Student	1st ECE, S2	Arya
4.	Merin Dominic	Student	1st, ECE, S2	[illegible]
5.	Ansa Therese	Student	1st, ECE S2	[illegible]
6.	Anjana G Nair	Student	1st, ECE S2	Anjana
7.	Avinash Unni	Student	1st, ECE S2	Avinash
8.	Vishnu M S	"	"	[illegible]
9.	Aswin S	"	"	Aswin
10.	[illegible] Joseph A	"	"	Akash
11.	[illegible] Jose	"	"	[illegible]
12.	Eswar Aravind			[illegible]
13.	Sanuja Sanosh	"	"	[illegible]
14.	Meenakshi Mohan	"	"	Meenakshi
15.	Vivek S	"	"	Vivek
16.	Devi S Kumar	"	"	[illegible]
17.	Nandhana G	"	"	[illegible]
18.	Swathymol P Manoj	"	1st ECE S2	[illegible]
19.	Arjun S	"	"	[illegible]
20.	Ajmal I Mohammed	Student	1st year ECE S2	[illegible]

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ICRTVC'24 - Attendance Sheet Date 19./04/2024

Sl.No.	Participants Name	Designation	Year/Branch/Section	Signature
1.	Meera Parvathy P.R	Asst. Professor		
2.	Divika Sarath	Asst. Prof.		
3.	Suresh Chandran	Asst prof		
4.	Ajeesh S	Assistant Professor		
5.	Aparna Jose	Asst. Prof		
6.	Jijoth Mathews	Asst. Prof		
7.	Mariya Stephen	Asst. Prof.		
8.	Neethas Elizabeth	Asst. Prof		
9.	Shiney M Abraham	Asst. Professor		
10.	Afsy Basheer	Student	S8 ECE	
11.	Arjun Krishna	Student	S8/ECE	
12.	Varghese Joseph	Student	S8- ECE	
13.	Akhil A	Student	S8 ECE	
14.	Rahul R Nath	Student	S8 - ECE	
15.	Lavanya K	Student	S8-ECE	
16.	Tenil Sojan	Student	S8- ECE	
17.	Sudev. A.S	Student	S8 - ECE	
18.	Devika Raj	Student	S8/ECE	
19.	Abel Thomas	Student	S8 - ECE	
20.	JITHIN G THOMAS	STUDENT	S8 ECE	

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ICRTVC'24 - Attendance Sheet Date 19./04/2024

Sl.No.	Participants Name	Designation	Year/Branch/Section	Signature
1.	Tisha Grigi	Student	ECE S6	
2.	Nowin Nila Nazar	Student	ECE S6	
3.	Kaethika Sunil	Student	ECE S6	
4.	P Adhiman chandrabose	Student	ECE S6	
5.	Jithin Joy	Student	ECE S6	
6.	Amar Basheer	Student	ECE S6	
7.	Vidhu Mohan	11	11	
8.	Achu Jayaman	Student	ECE S6	
9.	Ashbin Thomas	11	ECE S6	
10.	Vishak Babu	11	ECE S6	
11.	Vishna Sasi	Student	ECE S6	
12.	Adithyan Anoop	Student	ECE S6	
13.	Harikrishnan S	Student	ECE S6	
14.	Afna Salim	Student	ECE S6	
15.	Abiya Dal	Student	ECE S6	
16.	Dilsha.n.s	Student	ECE S6	
17.	Vidhash Nidash	Student	ECE S6	
18.	Nibhanol	Student	11	
19.	Melvin	Student	11	
20.	Abhishek Thulasidharan	11	11	

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ICRTVC'24 - Attendance Sheet Date 19./04/2024

Sl.No.	Participants Name	Designation	Year/Branch/Section	Signature
1.	Jasmin Anna John	Student	S4 ECE	
2.	Devika Dileep	student	S4 ECE	
3.	Amaldev. S. Arun	Student	S4 ECE	
4.	Alphy Eliza Jose	student	S4 ECE	
5.	Bigil Paul Basil	student	S4 ECE	
6.	Nadasha Biso	Student	S4 ECE	
7.	Nimmal Krishna G	Student	S4 ECE	
8.	Nikhil Krishna. G	Student	S4 ECE	
9.	Anjan. k. Reji	Student	S4 ECE	
10.	Parvathy Ashtakkal Kiran	Student	S4 ECE	
11.	Praveen V Nair	Student	S4 ECE	
12.	Devakrishnan P.H	Student	S4 ECE	
13.	Aber Baby	Student	1	
14.	Joel K Shaji	Student	11	
15.	Noora Ayoob	student	11	
16.	Silpa Mariam	Student	11	
17.	Saranya	Student	S4 ECE	
18.	Ancha E Manoj	student	1	
19.	Ajna R Shah	Student	1	
20.	Sravan K S	Student	11	

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ICRTVC'24 - Attendance Sheet

Date 19/04/2024

Sl.No.	Participants Name	Designation	Year/Branch/Section	Signature
1.	Aswin.s	Student	1st year EC S2	Aswin
2.	Avinash Unni	"	"	Avinash
3.	Vishnu. M.s	"	"	Vishnu
4.	Anjana G Nair	"	"	Anjana
5.	Aagya. S. pillai	"	"	Aagya
6.	Devinandhana.	"	"	Devi
7.	Adithya Asap	"	"	Adithya
8.	Ansa Therese	"	"	Ansa
9.	Merin Dominic	"	"	Merin
10.	Vivek S	"	"	Vivek
11.	Ajmal.T.Mohammed	"	"	Ajmal
12.	Eswar Aravind	"	"	Eswar
13.	Devi S Kumar	"	"	Devi
14.	Soorthymol P.	"	"	Soorthy
15.	Nandhana G	"	"	Nandhana
16.	Sanuja Sanosh	"	"	Sanuja
17.	Ajay Rajan	"	"	Ajay
18.	Deepak S.	"	"	Deepak
19.	Bunil Sunny	"	"	Bunil
20.	Sanuja Sanosh	"	"	Sanuja

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ICRTVC'24 - Attendance Sheet

Date 19/04/2024

S.No.	Participants Name	Designation	Year/Branch/Section	Signature
1.	Anandu P	Student	S8 ECE	[signature]
2.	Justin Kuriakose	Student	S8 ECE	[signature]
3.	Anagha Rajesh	Student	S8 ECE	[signature]
4.	ABISON SHIBU	STUDENT	S8 ECE	[signature]
5.	Meenakshi Mohan	Student	S2 ECE	[signature]
6.	Soosay Suresh	Student	"	[signature]
7.	Krishnadev G	"	"	[signature]
8.	Elwin Jose	"	"	[signature]
9.	Stephane Abraham	"	S8 ECE	[signature]
10.	Aswin PT	"	"	[signature]
11.	Alfin Prasad	"	"	[signature]
12.	Sebin PS	"	"	[signature]
13.	Anandakrishna	"	"	[signature]
14.	Abhinesh Bijan	"	"	[signature]
15.				
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Department of Electronics and Communication Engineering

International Conference on Recent Trends in VLSI and Communication Systems (ICRTVC'24)

18th – 19th April 2024

To be held in Hybrid mode

Day 1: 18th April 2024, Thursday

Time	Session	Session Details
10:00-10:45 am	Opening	Welcome address & Inaugural ceremony
10:45-11:00 am	Tea Break	
11:00-11:45 am	Keynote Speech	Dr. M. Madheshwaran (Former chairman of IEEE society India (solid state devices), Pincipal of Muthayammal Engineering College, Salem)

Session Chair: Dr. M. Kalpana Chowdary

	Time	Paper ID	Presenting Author	Paper Title
11:50 – 1:00 pm	11:50-12:00 pm	09	Dr. Nidhi Gaur	FACE RECOGNITION USING EIGEN FACE VECTORS
	12:00-12:10 pm	12	Esha Tripathi	ADVANCING PARKINSON'S DISEASE DETECTION: LEVERAGING DEEP NEURAL NETWORKS FOR ENHANCED DIAGNOSIS
	12:10-12:20 pm	15	Gouthami Gireendran	FIRE FIGHTING DRONE WITH FUME DETECTION
	12:20-12:30 pm	01	Abhishek VS	CONTACTLESS NEONATAL MONITORING SYSTEM
	12:30-12:40pm	04	Abhishek A	FOOTGUARD - SMART SHOES FOR FOOTULCER DEVELOPMENT
	12:40-12:50 pm	02	Aswin CS	CARDICORE: EMBEDDED PHONOCARDIOGRAM SYSTEM WITH DIGITAL STETHOSCOPE USING AI

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Department of Electronics and Communication Engineering

	12:50 -1:00 pm	08	Jacob P	ATTENDSWIFT HUB:- AN ADVANCED ATTENDANCE MONITORING SYSTEM FOR CLASSROOMS
1:00-2:00 pm	Lunch Break			
2:00 – 3:00 pm	2:00-2:10 pm	27	Anjitha Anil	EXPLORATION OF VARIOUS STEPS IN DETECTION OF VISUALLY IMPAIRED
	2:10-2:20 pm	28	Stephane Abraham	SINGLE WHEEL - DUAL WHEEL ELECTRIC BICYCLE – A REVIEW
	2:20-2:30 pm	31	Harikrishnan S	IOT BASED SMART SHOPPING CART
	2:30-2:40 pm	03	Laxmiroopa	ENHANCING KNEE SUPPORT: INNOVATIVE BRACE FOR ELDERLY INDIVIDUALS WITH OSTEOARTHRITIS TO ALLEVIATE JOINT LOAD
	2:40-2:50 pm	35	Rejitha Rajendran	COMPUTER VISION BASED DISTANCE MEASUREMENT SYSTEM USING STEREO CAMERA VIEW
	2:50-3:00 pm	05	Angith S Menon	INTELLIGENT FALL DETECTION VEST WITH INTEGRATED AIRBAG SYSTEM FOR ELDERLY SAFETY
3:00 pm	End of Day 1			

Day 2: 19th April 2024, Friday

Time	Session	Session Details
10:00 – 10:45 am	Keynote Speech	Dr. Renu Jose (Associate Professor, Govt. Engg. College, Idukki)
10:45-11:00 am	Tea Break	

Session Chair: Dr. J. Doondi Kumar

	Time	Paper ID	Presenting Author	Paper Title
11:00 – 1:00 pm	11:00-11:10 am	06	Keerthana Krishnakumar	PEDIATRIC LARYNGOSCOPE USING VIDEO PROCESSING
	11:10-11:20 am	07	Arifa Thasneem	PNEUMONIA DETECTION DEVICE FOR VENTILATOR ASSOCIATED PNEUMONIA
	11:20-11:30 am	17	Divin K Davis	PORTABLE CPR ASSITIVE DEVICE
	11:30-11:40 am	16	G.Krishna Veni	EFFICIENT DESIGN AND IMPLEMENTATION OF VEDIC CUBE CALCULATOR USING QUANTUM DOT CELLULAR AUTOMATA (QCA)
	11:40-11:50 pm	18	Ajumal TJ	IOT BASED SOLAR POWERED AIR PURIFIER WITH AIR QUALITY MONITORING SYSTEM
	11:50-12:00pm	34	Angel Chandresh	AUTOMATIC SOLAR PANEL CLEANING SYSTEM BASED ON IOT
	12:00-12:10 pm	19	Akhil A	IOT BASED WHEELCHAIR WITH ADVANCED TECHNOLOGY
	12:10-12:20 pm	20	Aswin P T	2 X 2 ELECTRIC BICYCLE
	12:20-12:30 pm	21	Afssy Basheer	ASSISTANCE SYSTEM FOR THE VISUALLY CHALLENGED
	12:30-12:40 pm	22	Rahul R Nath	HANDS FREE SHOPPING CART WITH SELF CHECKOUT
	12:40-12:50 pm	23	Able Thomas	LOW COST CNC MACHINE FOR PCB DESIGNING

Department of Electronics and Communication Engineering

	12:50-1:00pm	26	Akhil K Soman	A REVIEW ON IOT BASED SOLAR POWERED AIR PURIFIER WITH AIR QUALITY MONITORING SYSTEM
1:00-2:00 pm	Lunch Break			
2:00 – 3:00 pm	2:00-2:10 pm	10	Reneesh Zachariah	SAHAYA"- A MULTIROLE IOT BASED BOT FOR GERIATRIC CARE
	2:10-2:20 pm	33	Nourin Nila Nazar	IOT BASED ACCIDENT DETECTION AND ALERTING SYSTEM
	2:20-2:30 pm	30	Ashna Saji	IOT SENSOR BASED THIRD EYE: A SENSORY NAVIGATION AID FOR THE VISUALLY IMPAIRED
	2:30-2:40 pm	29	Abiya Dal	IOT BASED ENERGY ANALYZER USING ENERGY SCHEDULING AND SAVINGS ALGORITHM
	2:40-2:50 pm	24	Arjun Krishna K M	PIEZOELECTRIC ENERGY HARVESTING SYSTEMS WITH EV CHARGING HUB INTEGRATION
	2:50-3:00 pm	25	Lavanya. K	THE ELECTRICAL SKATEBOARD
3:00-3:30 pm	Vote of Thanks & End of ICRTVC'24			

MANGALAM COLLEGE OF ENGINEERING

Dept. of Electronics & Communication Engineering

International Conference on Recent Trends in VLSI and Communication Systems (ICRTVC'24)

April 18-19, 2024 – Hybrid Mode

INAUGURATION SCHEDULE

Date& Time : 18th April 2024, 10.00am.
Venue : Digital Theatre

10.00 AM	PRAYER
10.05 AM	WELCOME SPEECH Dr. ABRAHAM C G , HOD,ECE
10.10 AM	PRESIDENTIAL ADDRESS Dr. VINODH P VIJAYAN,PRINCIPAL,MLMCE
10.20 AM	INAUGURATION AND INAUGURAL ADDRESS DR. LAVANYA SETTIPALLI FACULTY,IIIT,KOTTAYAM
10.30 AM	RELEASE OF PROCEEDINGS BY CHIEF GUEST
10.35AM	HONORING THE CHIEF GUEST PROF.NEEMA GEORGE, VICE PRINCIPAL(ACADEMICS), MLMCE
10. 40AM	VOTE OF THANKS DR. DEEPTHY MARY ALEX, ASSOC.PROFESSOR, ECE,CONFERENCE CHAIR

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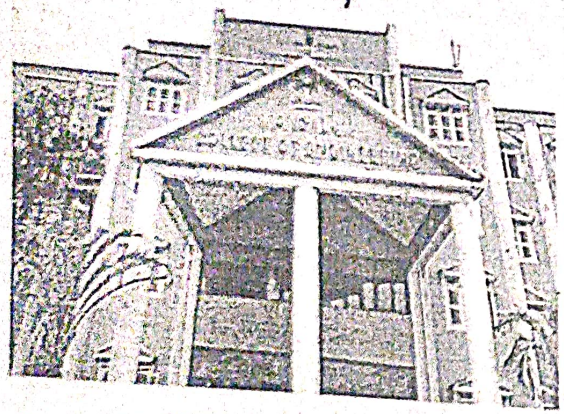
International Conference on Recent Trends in VLSI and Communication Systems ICRTVC'24

April 18th & 19th ,2024
(Hybrid Mode)



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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Dr. Abraham C G, HOD ECE, MLMCE

Conference Chairs
Dr. Jude Hemanth D, Karunya University
Dr Deepthy Mary Alex, MLMCE

Technical Program Chair
Dr Radeep Krishna, MLMCE

Conference Secretaries
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Dr Rajesh Abraham, IIST
Dr Pragnan Chakravorthy, CARET, Bhilai

Registration Fees

	Indian Delegates in INR	*Foreign Delegates in USD*
Students	2000	100
Academia	3000	150
Industry/ R&D	4000	200
Attender	500	50

About ICRTVC'24: The objective of the conference is to bring together academicians, researchers, professionals, executives and practicing engineers, from various industries, research institutes and educational leaders to share and exchange ideas and information on the theme of the conference.

Scope of Conference: Communication System, Embedded system, Signal Processing, Image Processing, VLSI Systems, Artificial Intelligence in VLSI and Communication Systems (but are not limited to).

Website link: https://www.mangalam.ac.in/icrtvc24/

Important Dates

Paper submission deadline:	March 27, 2024
Conveying acceptance:	April 3, 2024
Deadline for camera ready paper:	April 8, 2024
Registration:	April 12, 2024

Paper submission: Prospective authors are invited to submit original research papers in electronic format through Microsoft CMT. Unregistered authors should first create an account on Microsoft CMT to log on. All submissions must be in English only. Papers should comply with the IEEE format and specifications. Authors are requested to submit full paper (Maximum 6 pages) using the IEEE conference template. All papers that conform to submission guidelines will be peer reviewed and evaluated based on originality, technical and/or research content/depth, correctness, relevance to conference, contributions, and readability. Acceptance of papers will be communicated to authors by email. Accepted papers after the review and presentation in the conference will be included in the proceedings of Library. The presentation of the accepted paper during the conference is mandatory.

Submission link:
https://cmt3.research.microsoft.com/ICRTVC2024

Contact Information: icrtvc24@mangalam.in

Papers accepted after the review and presentation of the conference will be published in the IEEE Journal and the selected papers will be submitted to SCOPUS indexed journals. Plus, the rest additional fees.

MANGALAM COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Organizes

FACULTY DEVELOPMENT PROGRAM

ON

3D EM SIMULATION USING CST STUDIO SUITE

Topics

Day 1: Introduction & Features of CST studio

Day 2: Planar and Non-planar antennas

Day 3: Array and Phased Array Antenna Design

Day 4: Filter Design and Simulation

Day 5: Use of CST in Biomedical Application

Speaker

Dr. Rio Sebastian

Assoc Prof, Muthoot Institute of Technology and Science

DATE: AUGUST 14 to 18, 2023

TIME: 6 PM to 9 PM (ONLINE)

Coordinators

Ms. Aparna Jose, Asst Prof

Ms. Devika Sarath, Asst Prof

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3D EM simulation using CST STUDIO SUITE

Description of the events

A faculty developmentprogram was conducted by Dr. Rijo Sebastian, Associate Professor,Muthoot Institute of Technology and Science forthe non-teaching staff of Mangalam Engineering College on August 14th to 18th2023.

Topics

Day 1: Introduction&Features of CSTstudio

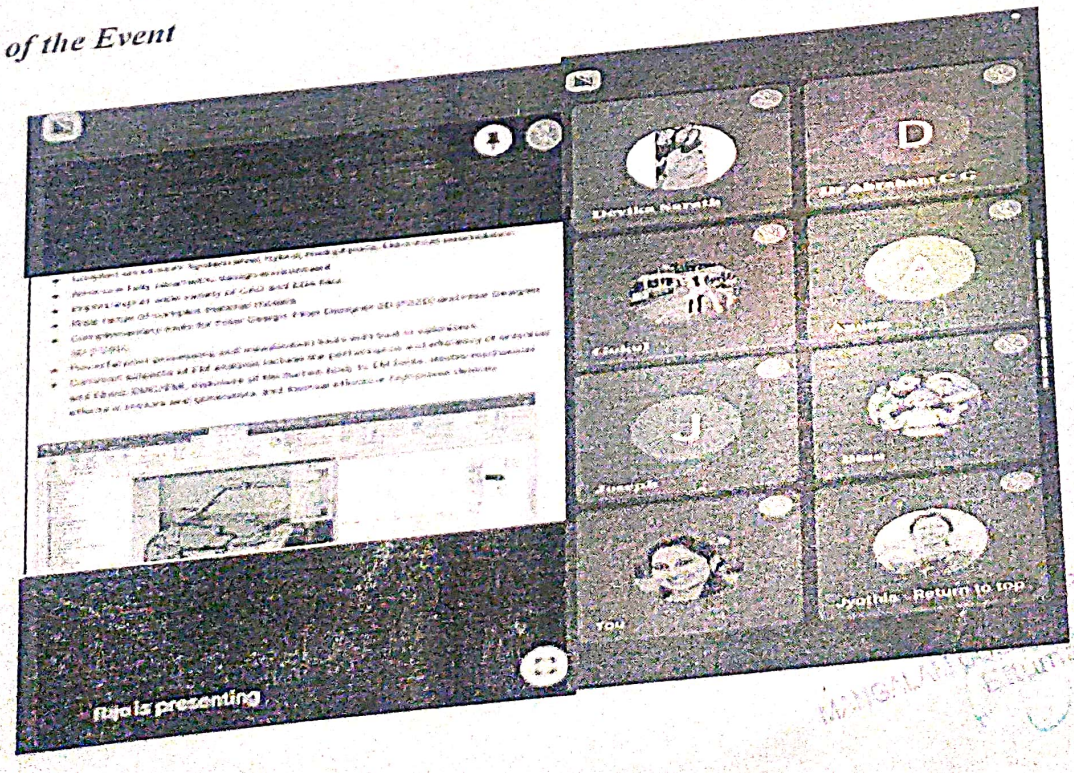
Day2: Planar and Non-planar antennas

Day 3: Array and Phased ArrayAntennaDesign

Day 4: FilterDesignandSimulation

Day 5:UseofCSTinBiomedicalApplication

Photos of the Event



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DEPARTMENT OF ELECTRONICS &COMMUNICATION ENGINEERING

Outcome of the Event

The outcome of FDP (Faculty Development Program) on "3D EM Simulation using CST STUDIO SUITE" for non-teaching staff could include enhanced technical knowledge in electromagnetic simulation, improved software proficiency, and the ability to assist in simulation tasks or support faculty and students in related projects, even though they may not directly conduct simulations themselves. This training could also improve their understanding of the tools and techniques used in research environments, contributing to more effective administrative or technical support.

Aparna Jose

Name &Signature of the In-Charge

HoD/Convenor

Dr. Abraham C G
(Seal) Professor & Head
Electronics & Communication Engineering
Mangalam College of Engineering
Kottayam, India -.686 631

IQAC

(Seal)
Internal Quality Assurance Cell (IQ
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DEPARTMENT OF ELECTRONICS &COMMUNICATION ENGINEERING

Date. 14/08/2023

Attendance Details of Report: FDP on"3D EM simulation using'CST STUDIO SUITE"

S:No	Participants Name	Designation	Signature
1	Dr.Abraham C G	Hod	
2	Dr.Deepthy Mary Alex	Associate Professor	
3	Ms. Devika Sarath	Assistant Professor	
4	Ms.Jyothisree KR	Assistant Professor	
5	Ms.Aparna Jose	Assistant Professor	
6	Mr.Anoop M Varghese	Lab Instructor	
7	Mr.Gokul Krishnan B	Lab Instructor	
8	Mr.Joseph Sebastian	Lab Instructor	
9	Mr. Bino Joseph	Lab Instructor	

Name &Signature of the In-Charge

IQAC

HoD/Convenor

(Seal)

Dr. Abraham C G
Professor & Head
Electronics & Communication Engineering
Mangalam College of Engineering
Kottayam, India - 686 631

(Seal)

PRINCIPAL
MANGALAM COLLEGE OF ENGINEERING
Ettumanoor

Postdoctoral Research Fellow

MANGALAM COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS&COMMUNICATION ENGINEERING

Date. 15/08/2023

Attendance Details of Report:FDP on"3D EM simulation using CST STUDIO SUITE"

S:No	Participants Name	Designation	Signature
1	Dr.Abraham C G	Hod	
2	Dr.Deepthy Mary Alex	Associate Professor	
3	Ms. Devika Sarath	Assistant Professor	
4	Ms.Jyothisree KR	Assistant Professor	
5	Ms.Aparna Jose	Assistant Professor	
6	Mr.Anoop M Varghese	Lab Instructor	
7	Mr.Gokul Krishnan B	Lab Instructor	
8	Mr.Joseph Sebastian	Lab Instructor	
9	Mr. Bino Joseph	Lab Instructor	

Aparna Jose

Name & Signature of the In-Charge

HoD/Convenor

(Seal) Dr. Abraham C G
Professor & Head
Electronics & Communication Engineering
Mangalam College of Engineering
Kottayam, India - 686 631

IQAC

(Seal)
Internal Quality Cell (IQAC)
Mangalam College of Engineering
Kottayam, India - 686 631

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Ettumanoor

MANGALAM COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS&COMMUNICATION ENGINEERING

Date. 16/08/2023

Attendance Details of Report:FDP on"3D EM simulation using CST STUDIO SUITE"

S:No	Participants Name	Designation	Signature
1	Dr.Abraham C G	Hod	
2	Dr.Deepthy Mary Alex	Associate Professor	
3	Ms. Devika Sarath	Assistant Professor	
4	Ms.Jyothisree KR	Assistant Professor	
5	Ms.Aparna Jose	Assistant Professor	
6	Mr.Anoop M Varghese	Lab Instructor	
7	Mr.Gokul Krishnan B	Lab Instructor	
8	Mr.Joseph Sebastian	Lab Instructor	
9	Mr. Bino Joseph	Lab Instructor	

Name & Signature of the In-Charge

HoD/Convenor

(Seal) Dr. Abraham C G
Professor & Head
Department of Electronics & Communication Engineering
Mangalam College of Engineering
Kottayam, India - 686 631

IQAC

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Internal Quality Assurance Cell (IQAC)
Mangalam College of Engineering
Kottayam, India - 686 631

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MANGALAM COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS&COMMUNICATION ENGINEERING

Date: 17/08/2023

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1	Dr.Abraham C G	Hod	
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7	Mr.Gokul Krishnan B	Lab Instructor	
8	Mr.Joseph Sebastian	Lab Instructor	
9	Mr. Bino Joseph	Lab Instructor	

Aparna Jose

Name & Signature of the In-Charge

IQAC

HoD/Convenor

(Seal) Dr. Abraham C G Professor & Head Department of Electronics & Communication Engineering Mangalam College of Engineering Kanjangad, India - 626 631

(Seal) Internal Quality Assurance Cell (IQAC) Mangalam College of Engineering Kanjangad, India - 626 631

PRINCIPAL MANGALAM COLLEGE OF ENGINEERING ETTUMANOOR

...g Design & Materials Specialism Coventry University, Coventry, UK

Pillai Postdoctoral Research Fellow Heriot Watt University

MANGALAM COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS&COMMUNICATION ENGINEERING

Date. 18/08/2023

Attendance Details of Report:FDP on"3D EM simulation using CST STUDIO SUITE"

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7	Mr.Gokul Krishnan B	Lab Instructor	
8	Mr.Joseph Sebastian	Lab Instructor	
9	Mr. Bino Joseph	Lab Instructor	

Name & Signature of the In-Charge

IQAC

HoD/Convenor

(Seal)

(Seal)

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Feedback of the Resource Person of Event : FDP on "3D EM Simulation using CST STUDIO SUITE"

Resource Person Name: *Dr.Rijo M Varghese*

Designation: *Associate Professor*

Affiliation/Address: Muthoot Institute of Technology and Science

Contact Number:

Email:

Feedback of Conducting the Event : FDP on "3D EM Simulation using CST STUDIO SUITE"

Excellent session and Good Participants, thank you for giving a chance to present.

Approval Rating (PlsTick)

1	2	3	4	5	6	7	8	9	10
							☐		

Name &Signature of the Resource Person

Name &Signature of the In-Charge

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DEPARTMENT OF ELECTRONICS&COMMUNICATION ENGINEERING

Feedback of the Resource Person of Event :FDP on "3D EM Simulation using CST STUDIO SUITE"

Participant Name: Aparna Jose

Designation: Assistant Professor

Affiliation/Address: NIT-C

Contact Number:

Email:

Feedback of Conducting the Event :FDP on "3D EM Simulation using CST STUDIO SUITE"

Well Explained, good session

Approval Rating (PlsTick)

1	2	3	4	5	6	7	8	9 ✓	10

Name &Signature of the Participant Aparna Jose

Name &Signature of the In-Charge
Ms. Aparna Jose

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DEPARTMENT OF ELECTRONICS&COMMUNICATION ENGINEERING

Feedback of the Resource Person of Event :FDP on "3D EM Simulation using CST STUDIO SUITE"

Participant Name: Ms. Jyothisree.b.r

Designation: Assistant Professor

Affiliation/Address: MCE

Contact Number:

Email:

Feedback of Conducting the Event :FDP on "3D EM Simulation using CST STUDIO SUITE"

Thankyou for this wonderful session

Approval Rating (PlsTick)

1	2	3	4	5	6	7	8 ✓	9	10

Name &Signature of the Jyothisree.b.r Participant Name

Name &Signature of the In-Charge

Ms. Aparna Jose

MANGALAM COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS&COMMUNICATION ENGINEERING

Feedback of the Resource Person of Event :FDP on "3D EM Simulation using CST STUDIO SUITE"

Participant Name: Bino

Designation: Lab instructor

Affiliation/Address:

Contact Number:

Email:

Feedback of Conducting the Event :FDP on "3D EM Simulation using CST STUDIO SUITE"

Good

Approval Rating (PlsTick)									
1	2	3	4	5	6	7 ✓	8	9	10

Name &Signature of the Participant Name

Aparna Jose

Name &Signature of the In-Charge

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DEPARTMENT OF ELECTRONICS&COMMUNICATION ENGINEERING

MLMCE/FDP/ECE/2023-24/02 Date: 03/08/2023

Circular

(Faculty Development Program) on "3D EM Simulation using CST STUDIO SUITE" will be conducted by Dr.Rijo Sebastian, Associate Professor ,Muthoot Institute of Technology and Sciencefor non-teaching staff , Electronics and Communication Engineering Mangalam Engineering College through online mode from August 14th to 18th,2023.

HOD

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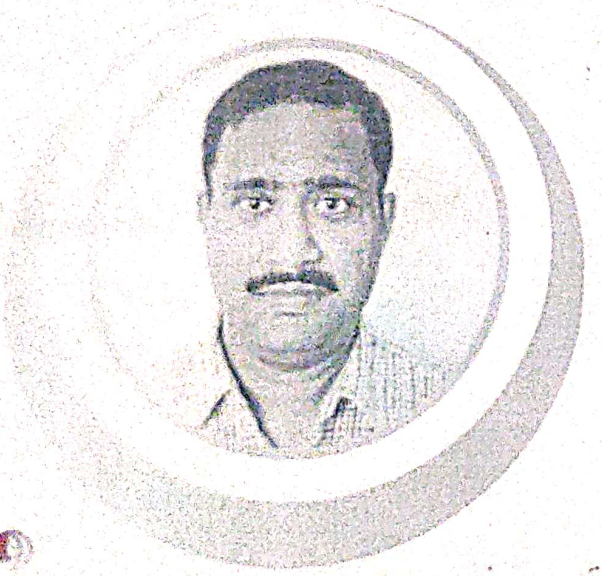
Kalamaboor

Department of Mechanical Engineering
Mangalam College of Engineering, Ettumanoor

Cordiallly Invite you to

3RD INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING: TRANSCENDING BOUNDARIES

iCAMET 2024



CHIEF GUEST
Dr. Tanmay Basak
Professor
IIT Madras
Chennai

24 & 25 MAY 2024

Venue :Digital Theatre
10.00AM

KEYNOTE SPEAKERS



Dr. Sharu B. K.
Assistant Professor
Department of Mechanical Engineering,
National Institute of Technology
Calicut, Kerala,India



Dr. Samuel G L
Professor,
Dept. of Mechanical Engg.
IIT Madras



Dr. Ashwath Pazhani
Lecturer
Engineering Design & Materials Specialism
Coventry University, Coventry UK



Dr. Praveen Bhaskaran Pillai
Postdoctoral Research Fellow
Heriot Watt University,
Scotland, UK

2024

INAUGURAL FUNCTION
PROGRAMME SCHEDULE

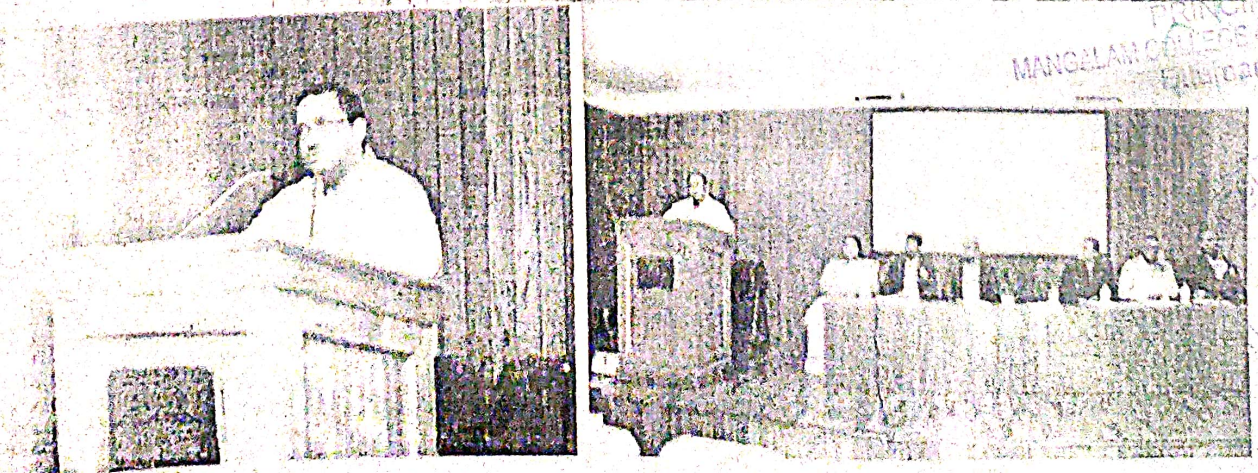
10.00 AM:	**Invocation**
10.05AM:	**Welcome Address** Mr. Rajeeve K Mohan Head, Department of Mechanical Engineering, MLMCE
10.15AM:	**Presidential Address** Dr. Biju Varghese Chairman Mangalam Group of Educational Institutions
10.20AM:	**Principal's Address** Dr. Vinodh P Vijayan Principal Mangalam College of Engineering
10.25 AM:	**Lighting the Lamp & Inaugural address** Dr. Tanmay Basak Professor IIT Madras, Chennai
10.45 AM:	**Releasing Book of Abstracts ICAMET '24** Dr. Sharu B K Assistant Professor NIT Calicut
10.50 AM:	**Honouring the Guests** Ms. Neema George, Vice Principal, MLMCE Dr. Arun Jose Vice Principal, MLMCE
10.45 AM:	**Vote of Thanks** Dr. Manikandan H Convener ICAMET-24

ICAMET 2024

We are pleased to introduce the proceedings of International Conference on ...esin Mechanical Engineering:. Transcending boundaries (ICAMET-24) held in ...am, Indiaduring May'24,25. The main objective of this conference is to bring together ...micians,researchers, teachers and students to exchange and share their research results ...e areas ofmechanical engineering and interdisciplinary sciences. Due to the prevailing ...ncemesituation, the conference was planned to be conducted online on google meet ...form.Conference logo, brochure, website, email address were designed and created to ...seminateinformation regarding the conference. The call for paper was announced over the ...ebsitehttps://icamet2024.in/ and brochures were e-mailed to faculty, researchers and ...stitutes ofeminence.

The event commenced with a keynote lecture delivered by Dr.TanmayBasak (IIT ...dras) on the topic "Fundamentals of Heat Transfer: A Journey from Textbook to Re...earch".Followed by keynote by Dr Sharu BK, Assistant Professor, NIT Calicut, Carbon Capture and Utilization Using 3D-printed concrete: Challenges and Possibilities". Followed by keynote by Dr Samuel GL Professor IIT Madras, on the topic "Recent Advances in Manufacturing". The paper presentation sessions began in afternoon through the three tracks as planned. The second day of the conference opened with a keynote lecture from Dr. Praveen Bhaskara Pillai (Heriot watt university,UK) on the topic"Non uniform packing densityeffects on CO_2 absorption in rotating packed beds: A computational Fluid dynamic study". The keynote sessions were profoundly enlightening andsaw active participation. The paper presentation sessions continued in the three tracks as on thefirst day.





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9:05 AM: Welcome Address by Mr. Rajeeve K Mohan, Head, Department of Mechanical Engineering, MEMCE.

9:15 AM: Presidential Address by Dr. Biju Varghese, Chairman, Mangalam Group of Educational Institutions.

9:30 AM: Principal's Address by Dr.Vinodh P Vijayan, Principal, Mangalam College of Engineering.

9:35 AM: Lighting the Lamp & Inaugural Address by Dr.TanmayBasak, Professor, IIT Madras.

9:45 AM: Release of the Book of Abstracts, ICAMET '24 by Dr.Sharu B.K., Assistant Professor, NIT Calicut.

9:50 AM: Honoring the Guests by Ms. Neema George and Dr.Arun Jose, Vice Principals, MEMCE.

9:55 AM: Vote of Thanks by Dr. Manikandan H., Chair, ICAMET-24.

Conference Highlights

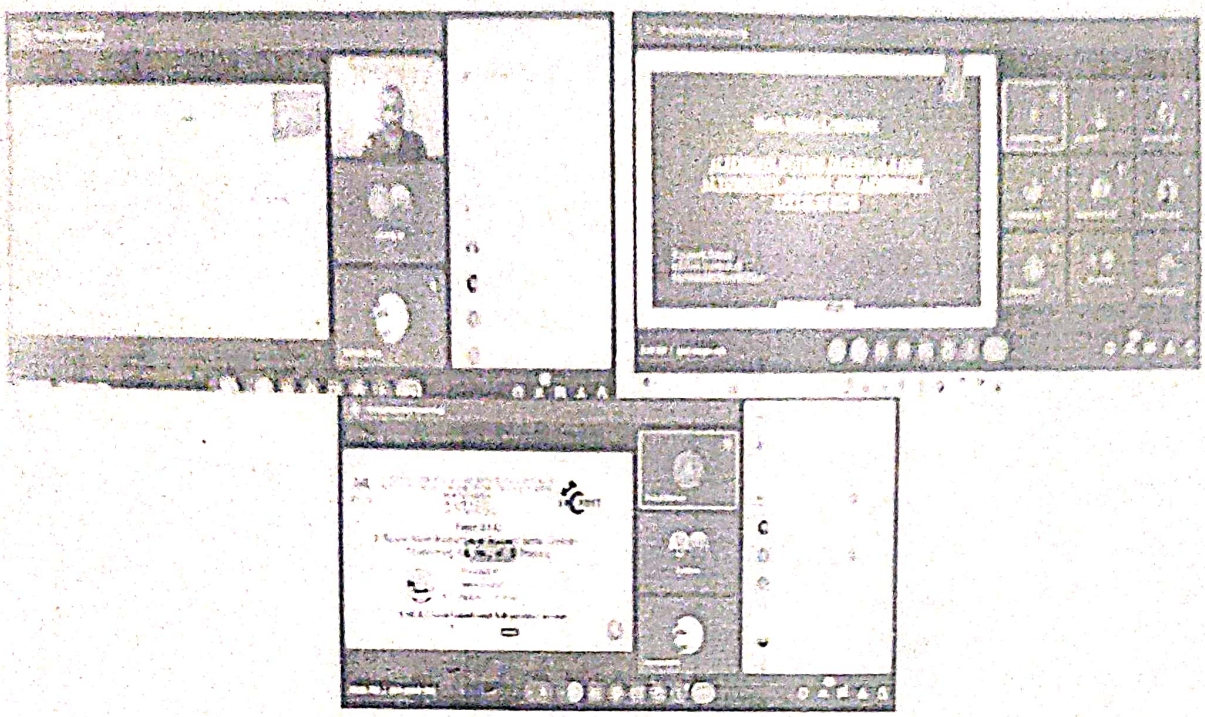
The conference focused on various advances in mechanical engineering, encouraging the exchange of knowledge and ideas among researchers, academicians, and professionals. The sessions included paper presentations, keynote speeches, and interactive discussions, all aimed at transcending the traditional boundaries of mechanical engineering and exploring innovative solutions to current challenges.

Acknowledgements

The organizers of ICAMET 2024 extend their gratitude to all the participants, speakers, and sponsors for making the event a grand success. Special thanks to the Mangalam College of Engineering for hosting the event and to the organizing committee for their dedicated efforts in ensuring a seamless and enriching experience for all attendees.

Conclusion

ICAMET 2024 successfully brought together experts from around the globe to discuss and explore advancements in the field of mechanical engineering. The conference served as a platform for meaningful interactions and collaborations, paving the way for future innovations and research in the discipline.



We would like to thank the advisory panel, chief editors, external reviewers and theorganizing committee for their sincere cooperation and technical help for the successfulconduct of this conference and look forward to the upcoming editions of the conference.

The International Conference on Advances in Mechanical Engineering: Transcending Boundaries (ICAMET 2024) was held on May 24-25, 2024, at the Mangalam College of Engineering, Ettumanoor. The event took place in the Digital Theatre, featuring an array of distinguished speakers and participants from various esteemed institutions around the world

Keynote Speakers

The conference featured several renowned keynote speakers:

- Jaimay Basak, Professor, IIT Madras, Chennai, who also served as the Chief Guest.
- Sharu B.K., Assistant Professor, Department of Mechanical Engineering, National Institute of Technology, Calicut, Kerala, India.
- Samuel G.L., Professor, Department of Mechanical Engineering, IIT Madras
- Praveen Bhaskaran Pillai, Postdoctoral Research Fellow, Heriot-Watt University, Scotland, U.K.
- JayanthiPazhani, Lecturer, Engineering Design & Materials Specialism, Coventry University, Coventry, UK

Inaugural Function Schedule

May 24, 2024

9.00 AM: Invocation

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A total of 80 papers were received out of which 50 papers were presented at theconference. All the accepted papers will be published in the book of abstracts of ICAMET 2024 with ISBN number. In addition to this, authors may opt for publication in the Scopus indexed journal Educational Administration: Theory and Practice, International Journal of Intelligent Systems and Applications in Engineering (IJISAE), Special Issues in A Deep Dive into Advancements in Welding: Materials, Mechanics, and Microstructures, Decision-Making Models and Advanced Optimization Techniques for Sustainable Manufacturing, A Deep Dive into Machining and Welding Advancements, Sustainable development of Materials and Manufacturing Synergies of Emerging Technologies, Automation, and Decision Making Models for Sustainable Development Futuristic Trends in Decision-Making Models for Sustainability of Advanced Materials and Manufacturing and the articles will be made available online. Journal of Polymer & Composites (JoPC) (ISSN: 2321–2810) published by STM Journals New Delhi India and the articles will be made available online. This journal accepts novel and unpublished research in the field of Material Science and Engineering. Authors may also opt for publication in the Trends in Mechanical Engineering and Technology (TMET) (ISSN: 2347-9965) published by STM Journals New Delhi India and the articles will be made available online. This journal accepts novel and unpublished research in the field of Mechanical Engineering. Authors may also opt for publication in the Journal of Safety Science and Fire Research (JSSFR) (ISSN: 2583-4886) published by National Safety Council – Kerala Chapter and the articles will be made available online. This journal accepts novel and unpublished research in the field of Safety and Fire Engineering. Reviewers were selected based on their proficiency in the required field,academic and research qualifications.



MANGALAM COLLEGE OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING

ATTENDANCE – ICAMET-2024 Date: 24/05/2024.

SESSION : F.N & A.N

SL.NO	NAME OF PARTICIPANT	Designation	SIGNATURE
1.	Ajithkumar KC	Asst Prof.	
2	Pramjith S	Asst Prof	
3	Akhil Ramesh	Asst. Prof	
4.	Abin Paul	Asst. Prof.	
5.	DR. RABI. J.	ASSO PROF	
6	Navish kumar	Asst. Prof	
7	JOHAN GEORGE CHERIAN	ASST. PROF	
8	Nijo Jose	Asst. Prof	
9	Hari krishnan	"	
10	Dr. Manuel George	Asso. Prof	
11	Santhu Varghese	Asst. Prof	
12	RAHUL KRISHNAN	ASST. PROF	

Dr. MANIKANDAN H

Name &Signature of Convener

Name & Signature of HOD

PRINCIPAL
MANGALAM COLLEGE OF ENGINEERING
Ettumanoor

DEPARTMENT OF MECHANICAL ENGINEERING

ATTENDANCE (ICAMET-2024)

Date: 24/05/2024.
Session: F.N 4 AN

SL.NO	NAME OF PARTICIPANT	Designation	SIGNATURE
13.	JISHNU. M	Asst. Prof.	[signature]
14.	DR. ARUN JOSE	ASSOCIATE Prof.	[signature]
15.	AMAL. R	Asst. Prof.	[signature]

Name & Signature of Convener

Dr. MANIKANDAN H

Name & Signature of HOD

MANGALAM COLLEGE OF ENGINEERING
Kottayam
Kerala-686 631
ELUMANOOR

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MANGALAM COLLEGE OF ENGINEERING
Elumanoor

MANGALAM COLLEGE OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING

ATTENDANCE - ICAMET - 2024 Date: 25/05/2024.

SESSION: F.N

SL.NO	NAME OF PARTICIPANT	Designation	SIGNATURE
1.	Navish kumar	Asst. Prof	
2.	DR. RABI. I	Asso Prof	
3	Prenjith.S	Asst Prof	
4	JOHAN GEORGE CHERIAN	Asst Prof	
5.	Harikrishnan.AR	Asst. Prof	
6	Abin Paul	Asst. Prof	
7.	Dr. manuel George	Asso Prof	
8	Santhu Varghese	Asst. Prof	
9.	NIJO JOSE	Asst. Prof	
10.	RAHUL KRISHNAN	Asst. Prof	
11.	AMAL. R	Asst. Prof	
12.	JISHNU. M	Asst. Prof	

Dr. MANIKANDAN H

Name & Signature of Convener

Name & Signature of HOD

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MANGALAM COLLEGE OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING

ATTENDANCE (ICAMET-2024)

Date: 25/05/2024.
Session: F.N & AN

SL.NO	NAME OF PARTICIPANT	Designation	SIGNATURE
13.	Dr. ARUN JOSE	ASSOCIATE PROF.	
14.	AKHIL RAMESH	Asst. Prof.	
15.	Ajith Kumar. L.T.	Asst Prof	

Name &Signature of Convener

Dr. MANIKANDAN H

Name & Signature of HOD

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DEPARTMENT OF MECHANICAL ENGINEERING

FEEDBACK FORM

ICAMET 2024

Name of Participant: Ajithkumar K.J

Designation: Asst Prof.

E-Mail Id: ajithkumar.kj@mangalam.in

1) How well did the sessions and presentations align with your expectations and current trends in Mechanical Engineering?

☐ Strongly Agree ☑ Agree ☐ Neutral ☐ Poor ☐ Very Poor

2) Were the visuals and resources used during the event helpful:

☐ Strongly Agree ☑ Agree ☐ Neutral ☐ Poor ☐ Very Poor

3) How would you rate the expertise and presentation quality of the speakers?

☐ Strongly Agree ☑ Agree ☐ Neutral ☐ Poor ☐ Very Poor

4) How satisfied were you with the opportunities provided for networking with peers and experts

☐ Strongly Agree ☑ Agree ☐ Neutral ☐ Poor ☐ Very Poor

5) What is your level of satisfaction with this conference

☐ Strongly Agree ☑ Agree ☐ Neutral ☐ Poor ☐ Very Poor

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DEPARTMENT OF MECHANICAL ENGINEERING

FEEDBACK FORM

ICAMET 2024

Name of Participant: Prenjith S

Designation: Asst Prof

E-Mail Id: prenjith@mangalam.in

1) How well did the sessions and presentations align with your expectations and current trends in Mechanical Engineering?

☑ **Strongly Agree** ☐ **Agree** ☐ **Neutral** ☐ **Poor** ☐ **Very Poor**

2) Were the visuals and resources used during the event helpful:

☐ **Strongly Agree** ☑ **Agree** ☐ **Neutral** ☐ **Poor** ☐ **Very Poor**

3) How would you rate the expertise and presentation quality of the speakers?

☑ **Strongly Agree** ☐ **Agree** ☐ **Neutral** ☐ **Poor** ☐ **Very Poor**

4) How satisfied were you with the opportunities provided for networking with peers and experts

☐ **Strongly Agree** ☑ **Agree** ☐ **Neutral** ☐ **Poor** ☐ **Very Poor**

5) What is your level of satisfaction with this conference

☐ **Strongly Agree** ☑ **Agree** ☐ **Neutral** ☐ **Poor** ☐ **Very Poor**

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DEPARTMENT OF MECHANICAL ENGINEERING

FEEDBACK FORM

ICAMET 2024

Name of Participant: Akhil Ramesh
Designation: Asst. Professor
E-Mail Id: akhil.ramesh@marjalan.in

1) How well did the sessions and presentations align with your expectations and current trends in Mechanical Engineering?

☐ Strongly Agree ☑ Agree ☐ Neutral ☐ Poor ☐ Very Poor

2) Were the visuals and resources used during the event helpful:

☐ Strongly Agree ☑ Agree ☐ Neutral ☐ Poor ☐ Very Poor

3) How would you rate the expertise and presentation quality of the speakers?

☐ Strongly Agree ☑ Agree ☐ Neutral ☐ Poor ☐ Very Poor

4) How satisfied were you with the opportunities provided for networking with peers and experts

☐ Strongly Agree ☑ Agree ☐ Neutral ☐ Poor ☐ Very Poor

5) What is your level of satisfaction with this conference

☐ Strongly Agree ☑ Agree ☐ Neutral ☐ Poor ☐ Very Poor

MANGALAM COLLEGE OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING

FEEDBACK FORM

ICAMET 2024

Name of Participant: Abin Paul

Designation: Asst. Professor

E-Mail Id: abin.paul@mangalam.in

1) How well did the sessions and presentations align with your expectations and current trends in Mechanical Engineering?

☑ **Strongly Agree** ☐ **Agree** ☐ **Neutral** ☐ **Poor** ☐ **Very Poor**

2) Were the visuals and resources used during the event helpful:

☐ **Strongly Agree** ☑ **Agree** ☐ **Neutral** ☐ **Poor** ☐ **Very Poor**

3) How would you rate the expertise and presentation quality of the speakers?

☐ **Strongly Agree** ☐ **Agree** ☑ **Neutral** ☐ **Poor** ☐ **Very Poor**

4) How satisfied were you with the opportunities provided for networking with peers and experts

☐ **Strongly Agree** ☑ **Agree** ☐ **Neutral** ☐ **Poor** ☐ **Very Poor**

5) What is your level of satisfaction with this conference

☑ **Strongly Agree** ☐ **Agree** ☐ **Neutral** ☐ **Poor** ☐ **Very Poor**

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DEPARTMENT OF MECHANICAL ENGINEERING

FEEDBACK FORM

ICAMET 2024

Name of Participant: DR. RABI. J.
Designation: ASSOCIATE PROFESSOR
E-Mail Id: rabi.johnson@mangalam.in

1) How well did the sessions and presentations align with your expectations and current trends in Mechanical Engineering?

☐ Strongly Agree ☑ Agree ☐ Neutral ☐ Poor ☐ Very Poor

2) Were the visuals and resources used during the event helpful:

☐ Strongly Agree ☑ Agree ☐ Neutral ☐ Poor ☐ Very Poor

3) How would you rate the expertise and presentation quality of the speakers?

☑ Strongly Agree ☐ Agree ☐ Neutral ☐ Poor ☐ Very Poor

4) How satisfied were you with the opportunities provided for networking with peers and experts

☐ Strongly Agree ☑ Agree ☐ Neutral ☐ Poor ☐ Very Poor

5) What is your level of satisfaction with this conference

☐ Strongly Agree ☑ Agree ☐ Neutral ☐ Poor ☐ Very Poor

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Inspire | Innovate

CE CSE
ME ECE

CIRCULAR

Ref No: MCE/EEE//01/2023-2024

Date: 25.04.2024

This is to inform that the Department of Electrical and Electronics Engineering is organizing an International Conference on Smart Innovations in Electrical Engineering (ICSIEE 2024) on 9th and 10th May 2024 .We encourage all members to attend and actively participate in this event. Your presence and contributions are highly valued and essential for the success of our event.The program schedule is attached with this circular.

HoD,EEE

Principal

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Ettumanoor

Copy to

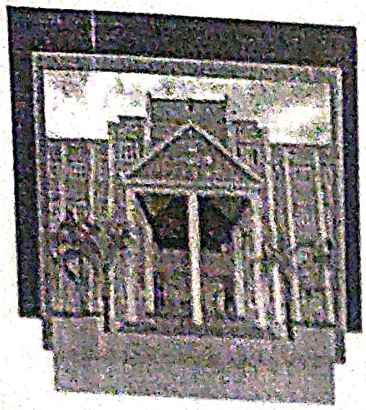
The Chairman

The Vice Principal(Academics)

The Vice Principal(Student Affairs)

PROGRAMME SCHEDULE

9.30 am	:	**Invocation prayer song** (Ms. Anupama M, Assistant Professor, Department of EEE)
9.35 am	:	**Welcome Address** **Dr. Honey Baby** (Head, Department of EEE, MLMCE)
9.40 am	:	**Presidential Address** **Dr. Biju Varghese** (Chairman, Mangalam College of Engineering)
9.45 am	:	**Principal's Address** **Dr. Vinodh P Vijayan** (Principal, Mangalam College of Engineering)
9.50 am	:	**Inaugural Address & Lightning the Lamp** **Dr. Nallapaneni Manoj Kumar** (School of Energy and Environment, City University of Hong Kong, Hong Kong Swiss School of Business and Management Geneva, Switzerland)
10.00 am	:	**Guest of Honour Address** **Dr. Ramesh Unnikrishnan** (Advisor (Grade II) All India Council for Technical Education (AICTE) Ministry of Education (Government of India))
10.10 am	:	**Guest of Honour Address** **Dr. Abhilash .T. Vijayan** (Associate Professor, Rajiv Gandhi Institute of Technology Kottayam)
10.15 am	:	**Guest of Honour Address** Dr. Palanisamy K (Professor, School of Electrical Engineering, Vellore Institute of Technology)
10.20 am	:	**Guest of Honour Address** **Dr. Sreejith S** (Assistant Professor Grade 1, NIT, Silchar)
10.25 am	:	**Felicitation** **Ms. Neema George** (Vice-Principal, Mangalam College of Engineering)
10.30 am	:	**Felicitation** **Dr. Arun Jose** (Vice-Principal, Mangalam College of Engineering)
10.35 am	:	**Releasing of ICSIEE24 Proceedings** **Dr. Nallapaneni Manoj Kumar** (School of Energy and Environment, City University of Hong Kong, Hong Kong Swiss School of Business and Management Geneva, Switzerland)
10.40 am	:	**Honoring the Guests** **Ms. Toshma Biju Varghese** (Chairperson, Mangalam Educational Society)
10.45 am	:	**Vote of Thanks** **Dr. Reshma Gopi R** (Organizing Chair, ICSIEE24)



MANGALAM
COLLEGE OF ENGINEERING

International Conference
on
Smart Innovations in
Electrical Engineering
ICSIEE 2024
9th & 10th May 2024

ORGANISED BY

Department of Electrical and Electronics Engineering

Mangalam College of Engineering

Ettumanoor, Kottayam, Kerala
Approved by AICTE and Affiliated to APJ Abdul Kalam Technological University (KTU)

CHIEF GUEST

Dr. Nallapaneni Manoj Kumar

School of Energy and Environment, City University of Hong Kong, Hong Kong
Swiss School of Business and Management Geneva, Switzerland

KEYNOTE SPEAKERS

Dr. Palanisamy K.

Professor, School of Electrical Engineering, Vellore Institute of Technology

SESSION CHAIR

Dr. Abhilash T. Vijayan

Associate Professor, Rajiv Gandhi Institute of Technology, Kottayam

ABOUT

The Department of Electrical Engineering is organizing an International Conference on Smart Innovations in Electrical Engineering, ICSIEE 2024. It will cover fields such as Artificial Intelligence based applications, Industrial Automation, Energy Management Systems, and related interdisciplinary sciences. The conference will consist of multiple parallel sessions covering all the major themes and invited keynote lectures by eminent academicians and scientists from various fields. The conference also seeks to provide a common forum for researchers, scientists and engineers from diverse diverse fields of interdisciplinary sciences to discuss and exchange ideas with their peers, presentation of original research articles, review articles and invited articles in the conference proceedings with ISBN number is also envisaged. The scope of the conference may include following major topics, but are not limited to:

- Electric Vehicles
- Smart Grid
- Power, Control and Instrumentation
- Artificial Intelligence Based Applications
- Industrial Automation
- Energy Storage Systems
- Sustainability and Green Systems
- Electrical Drives Power Converters & Inverters
- Energy Management Systems
- Sensor Networks and Security
- Fault Detection & Diagnosis

Selected papers will be published in Scopus-indexed journals with an additional fee.

Patrons

Dr. Biju Varghese
Chairman, Mangalam Educational Institutions

Conference Chair

Dr. Vinodh P Vijayan
Principal, Mangalam College of Engineering

Convener

Dr. Honey Baby
Associate Professor and Head, Department of Electrical and Electronics Engineering, MLMCE

Organizing Secretary

Dr. Honey Baby, Associate Professor and Head, Department of Electrical and Electronics Engineering, MLMCE

Dr. Reshma Gopi.R, Associate Professor, Department of Electrical and Electronics Engineering, MLMCE

Organizing Committee

Ms. Sreelala V M
Ms. Jolly George
Ms. Aiswarya Chandran
Ms. Shinu Mani
Ms. Jeeja K J
Ms. Lakshmi J Nair
Ms. Preethi Sebastian
Ms. Anupama M

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Dr. Palanisamy K, Professor, School of Electrical Engineering, Vellore Institute of Technology

Dr. Prince A, Professor and Principal, Rajiv Gandhi Institute of Technology, Kottayam

Dr. Chitra A, Associate Professor, School of Electrical Engineering, Vellore Institute of Technology

Dr. N. Sethanthira Vanitha, Professor and Dean (EEE), Muthayammal Engineering College, Rasipuram

Dr. K. Mohana Sundaram, HoD (EEE), KPR Institute of Engineering and Technology, Coimbatore

Mr. Aju Thomas, Managing Director, Zeal Power Solutions, Electrical Contractors & Consultants

Dr. Sunil Kumar P R, Professor, Department of EEE, Government Engineering College, Idukki

Publications

Original and unpublished research papers are invited for presentation in the conference with an aim to publish in SCOPUS indexed international conference proceedings after peer review and additional cost.

Registration Fees

Delegates	INR	USD
UG/PG Students	1000/-	13
Research Scholar	2500/-	31
Academician/ Industry	4500/-	55

GUIDELINES FOR PAPER SUBMISSION

Full length paper shall be sent to icsiee@mangalam.in. The paper should be in single column format. Full papers are expected to be a minimum of 4 pages and maximum of 8 pages in length. Prospective authors are invited to submit full length papers including results, figures and references in word format.

Important Dates

Abstract Submission deadline	: 5th APRIL 2024
Paper Submission deadline	: 15th APRIL 2024
Author(s) notification after review	: 3rd MAY 2024
Last date of registration	: 8th MAY 2024

About The Department

Electrical engineering is a field of engineering that generally deals with the study and applications of electricity, electronics and electromagnetism. The field first became an identifiable occupation in the late nineteenth century after commercialization of the electric telegraph and electrical power supply. It now covers a range of subtopics including power, electronics, control systems, signal processing and telecommunications. From the Global Positioning System to electric power generation, electrical engineers have contributed to the development of a wide range of technologies. They design, develop, test and supervise the deployment of electrical systems and electronic devices. The Department of Electrical and Electronics Engineering was established in the year 2002. It is well equipped with highly comprehensible facilities and is effectively headed by Dr. Honey Baby and guided by a team of highly experienced, dedicated and diligent faculty members.

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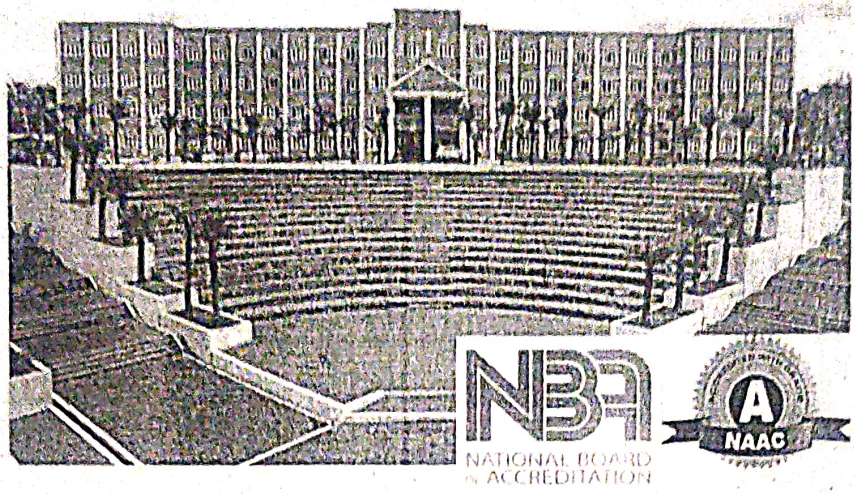

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

You're cordially invited to the Inauguration of

ICSIEE24

International Conference on Smart Innovations In Electrical Engineering

Guest of Honour



Dr. Ramesh Unnikrishnan
Advisor (Grade II)
All India Council for Technical Education (AICTE)
Ministry of Education (Government of India)

Chief Guest



Dr. Nallapaneni Manoj Kumar
School of Energy and Environment, City University of Hong Kong, Hong Kong
Swiss School of Business and Management Geneva, Switzerland

Keynote Speakers



Dr. Palanisamy K
Professor
School of Electrical Engineering
Vellore Institute of Technology



Dr. Abhilash .T Vijayan
Associate Professor
Rajiv Gandhi Institute of Technology
Kottayam

DATE : 9 TH ,10 TH MAY 20224 | TIME : 9.30 AM | VENUE: Digital Theater, Mangalam Campus

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Department of Electrical and Electronics Engineering

INTERNATIONAL CONFERENCE ON SMART INNOVATIONS IN ELECTRICAL ENGINEERING

9 MAY -10 MAY 2024

Day 1: 9th May 2024, Thursday

Time	Session	Session Details	
10.00am-11.00 am	Opening	Inauguration	
11.00am -11.15 am		Tea break	
11:15am- 12.00 pm	Keynote speech	Dr. Abhilash T Vijayan, Associate Professor,Rajiv Gandhi Institute of Technology,Kottayam	
Session Time	Time	ID	PAPER TITLE
12.00 pm -12.30 pm	12.00 - 12.10 pm	ICSIEE2409	VORTEX GENERATORS FOR PASSIVE COOLING OF ROOFTOP PHOTOVOLTAIC SYSTEMS UNDER FREE
	12.10-12.20 pm	ICSIEE2415	SMART GARBAGE SEGREGATION BINS POWERED BY SOLAR ENERGY WITH SMS NOTIFICATIONS AND MACHINE LEARNING IMAGE PRO CESSING
	12.20-12.30 pm	ICSIEE2416	HYBRID CHARGING STATION (IOT BASED)
	12.30-12.40 pm	ICSIEE2427	DUAL POWERED SMART STREET LIGHT WITH FAULT RECOGNITION
	12.40-12.50 pm	ICSIEE2428	THIRD EYE FOR BLIND
01.00pm-02.00pm		Lunch break	
2.00 pm-3.00 pm	2.00-2.10 pm	ICSIEE2430	GRID - TIED SOLAR PANEL COMPANION INVERTER
	2.10-2.20 pm	ICSIEE2431	DC/DC CONVERTER WITH SINGLE INPUT AND DUAL OUTPUT FOR ELECTRIC VEHICLE
	2.20-2.30 pm	ICSIEE2432	A COMPARATIVE STUDY OF THE RECENT HIGH GAIN BOOST CONVERTERS TOPOLOGY FOR RENEWABLE ENERGY APPLICATIONS
	2.30-2.40 pm	ICSIEE2433	POWER QUALITY ENHANCEMENT IN ELECTRICAL SYSTEM BY INCORPORATING RENEWABLE ENERGY RESOURCES WITH UPQC
	2.40-2.50 pm	ICSIEE2434	EFFICIENT DUAL MOTOR POWER TRAIN FOR TWO-WHEELED ELECTRIC-CYCLE
3.00 pm -3.10 pm		Tea break	
3.10 pm - 3.30 pm	3.10-3.20 pm	ICSIEE2435	SELF REGULATED LAWN MOWER WITH VACUUM SWEEPER
	3.20-3.30 pm	ICSIEE2436	EFFICIENCY ANALYSIS OF GEAR CHANGE CONTROL STRATEGY OF CLUTCHLESS AUTOMATIC MANUAL TRANSMISSION OF AN ELECTRIC VEHICLE
3.30 pm		End of Day I- Best Paper Award Session	

Day 2: 10th May 2024, Friday

Time	Session	Session Details	
9.30- 10.30 am	Keynote address	Dr. Palanisamy K, Professor Department of Energy and Power Electronics, VIT University	
10.30 am-10.50 am		Tea break	
Session Time	Time	ID	PAPER TITLE
10.50am -12.30pm	10.50 -11.00 am	ICSIEE2412	ADVANCED PERFORMANCE ENHANCEMENT OF BLDC DRIVEN ELECTRIC VEHICLES THROUGH OPTIMISATION OF TORQUE AND SPEED RESPONSE USING PI-PBC CONTROLLER
	11.00 -11.10 am	ICSIEE2413	AN ADAPTIVE CONTROL SYSTEM IN PLUG-IN-EV
	11.10-11.20 am	ICSIEE2421	A HYBRID BIDIRECTIONAL DC-DC CONVERTER BASED ON A SEPIC/ZETA CONVERTER WITH MODIFIED SWITCHED CAPACITOR CELL
	11.20- 11.30 am	ICSIEE2423	A STUDY ON OPEN LOOP VS. CLOSED LOOP CONTROL IN SWITCHED RELUCTANCE MOTORS FOR PLUG-IN HYBRID ELECTRIC VEHICLES (PHEVS)
	11.30-11.40 am	ICSIEE2417	ENERGY HARVESTING USING VERTICAL AXIS WIND TURBINE FROM HIGHWAY TRAFFIC VEHICLES MOVEMENT
	11.40-11.50 am	ICSIEE2403	DRONE-BASED PLANT DISEASE DETECTION AND ALERT SYSTEM USING GSM MODULE
	11.50 - 12.00 pm	ICSIEE2418	SMART FARMING USING MACHINE LEARNING
	12.00 -12.10 pm	ICSIEE2404	ELECTRICAL ESTIMATION AND DESIGN OF HIGH-RISE BUILDING IN MIDDLE EAST
	12.10-12.20 pm	ICSIEE2420	COMPARITIVE STUDY OF LANDSMAN AND LUO CONVERTER FOR IMPROVED POWER FACTOR AND THD FOR EV BATTERY CHARGER
	12.20-12.30 pm	ICSIEE2422	SKIN CANCER DETECTION AND CLASSIFICATION USING MOBILENET V2
12.30pm-2.00 pm		Lunch break	
2.00 -2.50pm	2.00- 2.10 pm	ICSIEE2424	APPLICATION OF NATURE-INSPIRED SEARCH ALGORITHMS TO ENHANCE MULTI-LAYER THICKNESS OPTIMIZATION IN SOLAR CELLS
	2.10-2.20 pm	ICSIEE2425	AUTOMATIC SOLAR CLEANSIFIER
	2.20-2.30 pm	ICSIEE2426	AI BASED PLL FOR GRID SYNCHRONIZATION
	2.30- 2.40 pm	ICSIEE2429	FAILURE MODES AND EFFECTS ANALYSIS OF POWER TRANSFORMERS
	2.40- 2.50 pm	ICSIEE2437	NOVEL SINGLEPHASE CUK DERIVEDBRIDGELESS PFC CONVERTER FOR ONBOARD EV CHARGER WITH ALTERNATE DC SOURCE AND REDUCED NUMBER OF COMPONENTS
3.00pm -4.00 pm		Valedictory Function	

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International Conference on Smart Innovations in Electrical Engineering (ICSIEE 2024)

Date: 9 th & 10 th May 2024

Venue: Mangalam College of Engineering, Ettumanoor, Kottayam

Email:siee@mangalam.in



CONFERENCE SUMMARY REPORT

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The international Conference on Smart Innovations in Electrical Engineering (ICSIEE 2024) was organized by the Department of Electrical and Electronics, Mangalam College of Engineering, Ettumanoor, Kottayam, Kerala, India.

The conference was initiated in August 2023 and a ten member organizing committee was formed. The organizing committee identified subject expertise globally, took approval of their willingness to support the conference, and formed an advisory board comprising of 10 members.

The main objective of ICSIEE 2024 was to bring together the academicians, researchers and industrialists from different parts of the country for in-depth analysis of various developments in the field of electrical engineering and to share their experiences in the field and to enlighten themselves with new ideas. The committee finalized the topics of conference that included Electric vehicles, Smart Grid, Power, Control and Instrumentation, Energy Storage systems, Artificial Intelligence based applications, Industrial Automation, Sustainability and Green Systems, Electrical Drives Power Converters & inverters, Energy Management Systems, Sensor Networks and Security, Fault Detection & Diagnosis. The conference preparations started with the call for abstracts; 37 abstracts were received out of which 31 were accepted. The next step was the call for papers, and out of 31 papers submitted by authors, 31 were accepted for oral presentations and 19 made its way to the Conference Proceedings.

Selected research papers have been compiled and edited in the form of Conference Proceedings and published by IJRCS Publishers. The conference maintained a high-quality peer-review process for all the manuscripts submitted, starting with a primary evaluation that included a plagiarism check for the original contents. Rejections at this stage had either serious scientific flaws, very poor grammar or were outside the aim and scope of this Conference. Those that met the minimum criteria were passed on to experts in the domain for review. Single-blind review process was employed, where the reviewer remained anonymous to the authors throughout the process. Reviewers were requested to decide on accepting/rejecting the submitted paper, along with suggestions to improve the quality of the paper. After getting the review report, authors were informed of acceptance/rejection.

The conference composed of sessions from 9th to 10th May 2024 , covering all the major themes and invited keynote lectures by eminent academicians and scientists from various fields. The event brought together some 160 plus research scholars, members of faculty, students, and key officials nationally and internationally to discuss the recent advances in

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electrical engineering with focus on sustainability. It concluded with a set of presentations of real-world cases describing new and noteworthy initiatives relevant to the conference theme.

INAUGURATION

The first day of the conference started with an inaugural session with a welcome note and conference overview by Dr. Honey Baby, Convener of ICSIEE 2024 and HOD (Dept of EEE), Mangalam College of Engineering. This was followed by the Presidential Address by Dr. Biju Varghese, Chairman, Mangalam College of Engineering. The Principal's address was given by Dr Vinodh P Vijayan, Principal, Mangalam College of Engineering. The inaugural address was by Dr Nallapaneni Manoj Kumar, School of Energy and Environment, City Univerisity of HongKong, HongKong Swiss School of Business and Management, Geneva, Switzerland. Guest of Honour address was given by Dr Ramesh Unnikrishnan, Advisor (Grade II), All India Council for Technical Education (AICTE), Ministry of Education (Government of India), Dr.Abhilash T Vijayan, Associate Professor, Rajiv Gandhi Institute of Technology, Kottayam and Dr Palanisamy K , Professor, School of Electrical Engineering, Vellore Institute of Technology, Vellore. Felicitations were given by Ms Neema George and Dr Arun Jose, Vice Principal, Mangalam College of Engineering. The release of the conference proceedings was carried out by Dr Nallapaneni Manoj Kumar and a vote of thanks was proposed by Dr Reshma Gopi R, Associate Professor, Department of Electrical and Electronics Engineering, Mangalam College of Engineering



Inaugural Session: Dr. Biju Varghese delivering the presidential address

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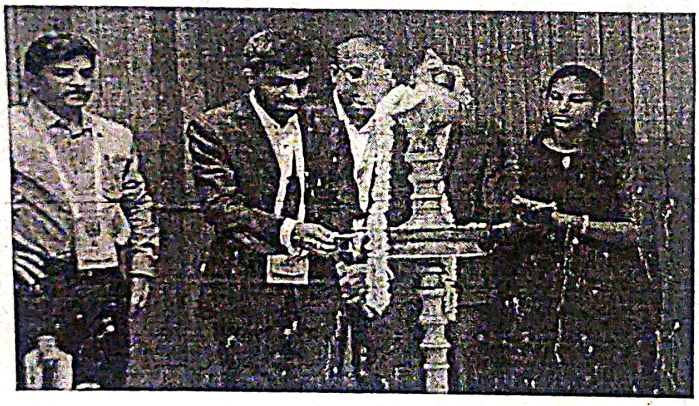
Dr. Nallapaneni Manoj Kumar delivering the inaugural address



Dr. Nallapaneni Manoj Kumar lightning the lamp



Dr Vinodh P Vijayan delivering the Principal's address

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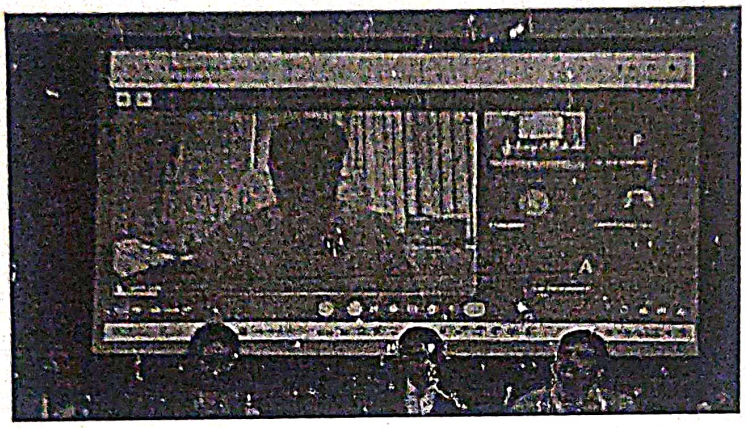

Dr. Ramesh Unnikrishnan delivering the Guest of Honour address



Dr . Abhilash T Vijayan delivering the Guest of Honour address



Release of the Conference Proceedings by Dr. Nallapaneni Manoj Kumar

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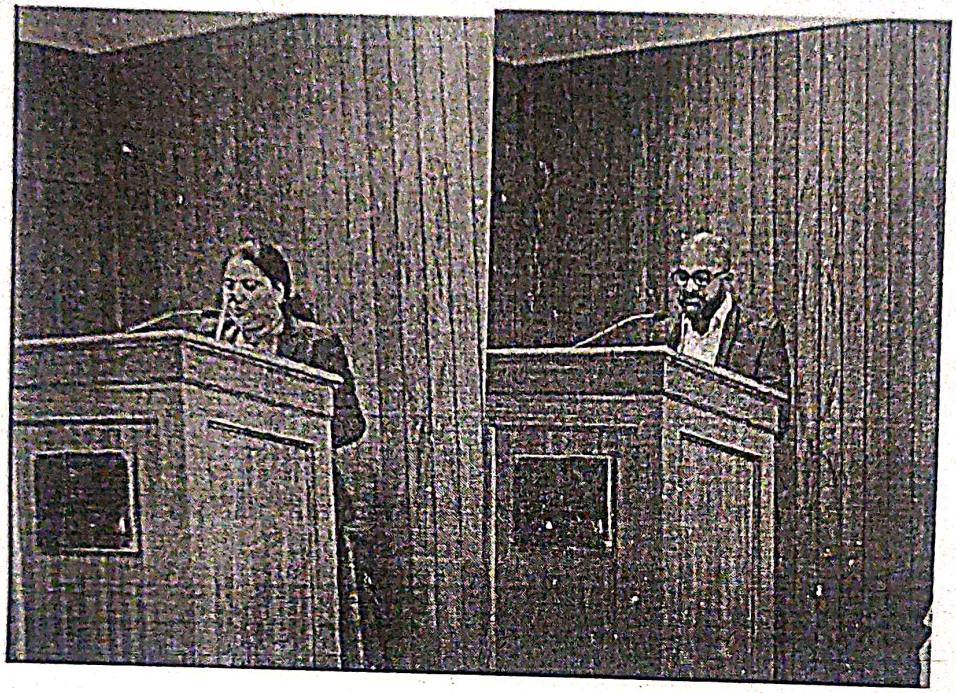

Facilitations by Ms.Neema George and Dr Arun Jose.

KEYNOTE SPEECH

The technical sessions followed the inaugural session and the main keynote lecture. A Keynote lecture on "Robotics" was delivered by Dr. Abhilash T Vijayan, Associate Professor, Rajiv Gandhi Institute of Technology, Kottayam. A keynote address on "Digtal Circular Economy" was delivered by Dr. Nallapaneni Manoj Kumar. The Presentation session, had a Chair and Co-chair, who were experts in the domain. Each author was given 8 minutes for the paper presentation, which was followed by question and answer session for 2 minutes. The conference was structured to foster discussion between participants.

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AWARDS AND VALIDATORY FUNCTION

The two-day Conference ended with a valedictory session. The welcome speech in the session was delivered by Ms. Sreekala V M, Assistant Professor, Department of EEE, Mangalam College of Engineering. A few delegates gave a feedback on the Conference and the session concluded with a vote of thanks proposed by Dr Honey Baby, Head of the Department of Electrical and Electronics Engineering, Mangalam College of Engineering. Best Paper Awards has been distributed to the winners during the valedictory session.

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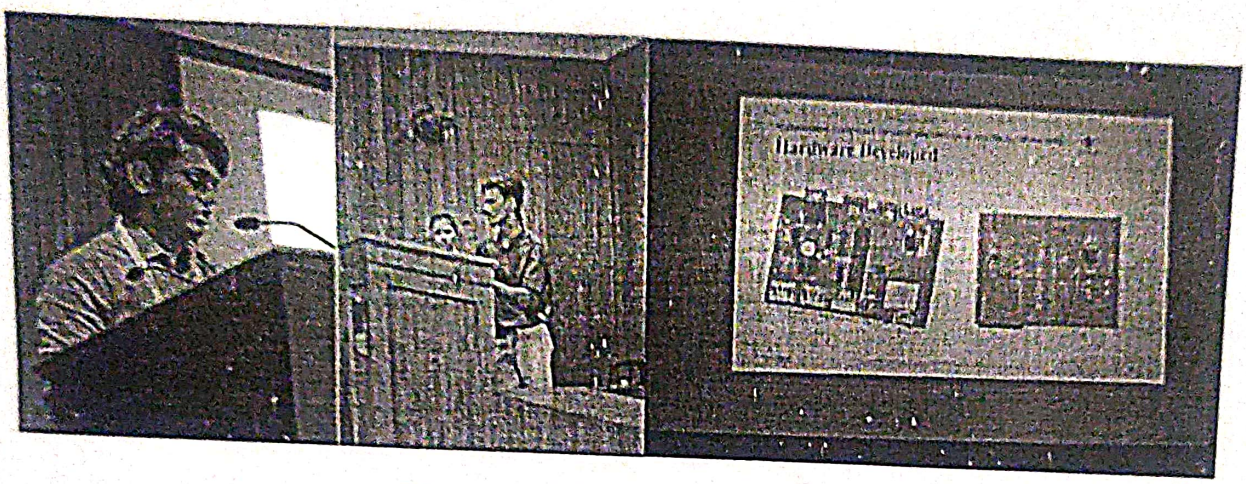
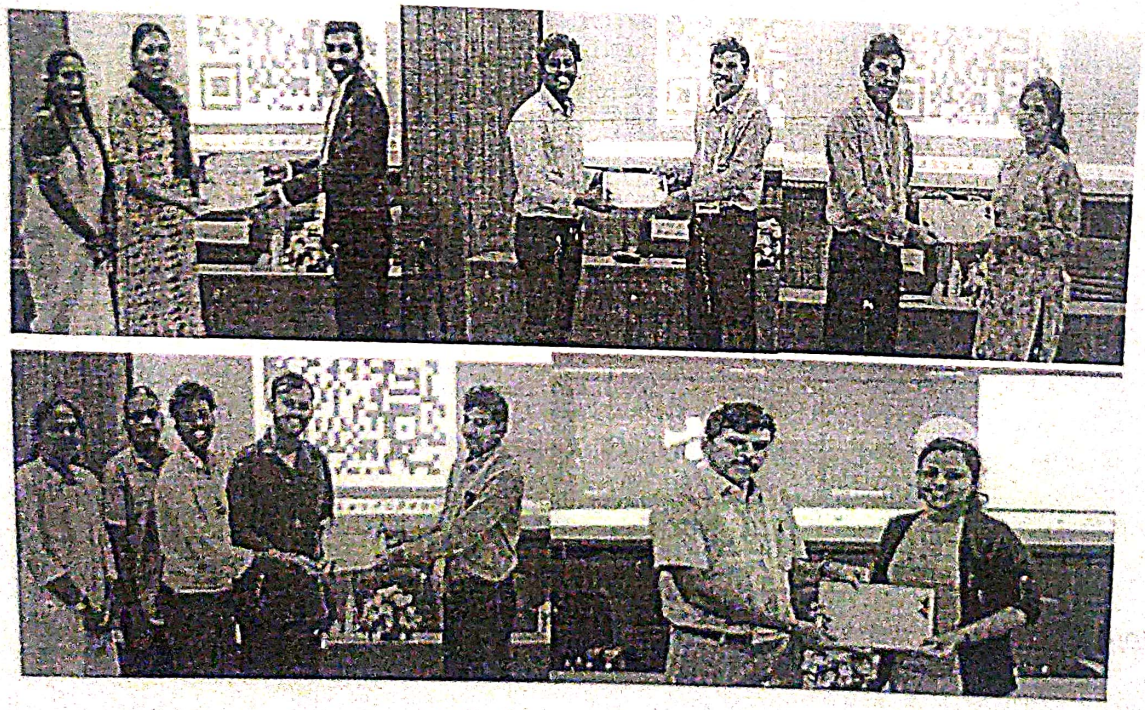


Glimpses of the Presentation session



Glimpses of Award Ceremony

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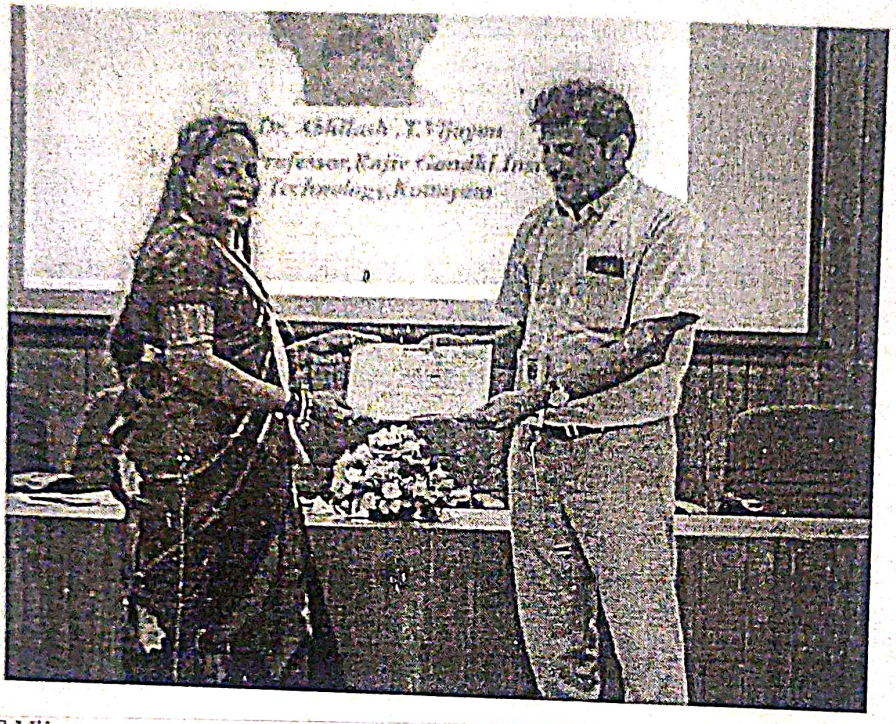

Dr Abhilash T Vijayan, Associate Professor, RIT , Kottayam receiving the memento of appreciation from HOD, EEE for his contributions to ICSIEE 2024.



Dr Nallapaneni Manoj Kumar, School of Energy and Environment, City Univerisity of HongKong receiving the memento of appreciation from HOD, EEE for his contributions to ICSIEE.

Mangalam College of Engineering

Department of Electrical and Electronics Engineering

Registration form

Ay:2023-2024 Time: 9.30am-4.00pm

Date: 9/5/24 & 10/5/24. Venue: Digital theatre.

Sl No	Name	Paper Id	Registration details (author/co-author/accompanying person)	address	Email Id	Student/research	Name of institution/organization	Conference kit received/not received	Signature
1.	Ryan Titus	ICSIEE2409	Co-author	Acharuparambil House, IIMT Kalamassery	ryantitus2255@gmail.com	Student	Albertian Institute of Science & Technology	YES	[signature]
2.	Preethi Sebastian	ICSIEE2432	Co Author	Thottupurath Muttambalam P.O, Kanjirapally	preethy.sebastian@mangalam.in		Mangalam College of Engineering	Yes	[signature]
3.	Anna Mary CA	ICSIEE2415	Author	Chinnyil House Thoppumpady 682005	annmaryca0@gmail.com	Student	Albertian Institute of Science and Technology	Yes	[signature]
4.	Deepak Devassy	ICSIEE2416	Author	Cheruparambil House Kanjirapally	devassydeepak@gmail.com	Student	Albertian Institute of Science & Technology	Yes	[signature]
5.	NIVYA PS	ICSIEE2432	Author	Padathyathil Vasupuram Thrissur	nivyasr37@gmail.com	Student	Mangalam College of Engineering	Yes	[signature]
6.	Aparna Pradeep	ICSIEE2433	Author	Nallathil H Eramallor P.O	aparnapradeep93@gmail.com	Student	Mangalam College of Engineering	Yes	[signature]
7.	Aadhiya Majeed	ICSIEE2431	Author	Asanpulickal Kaji Seppalakkal	aadhiyamajeed555@gmail.com	Student	Mangalam College of Engineering	Yes	[signature]
8.	Noyal Thomas	ICSIEE2423	Author	Pandaraparambil House Vypin	Noyalt16@gmail.com	Student	Albertian Institute of Science & Technology	Yes	[signature]
9.	Edwin Biju Mathew	ICSIEE2413	Co-author	Chedayath Villa, Nooranad	edwinbiju35@gmail.com	Student	Sree Buddha College of Engineering	Yes	[signature]
10	Adithyan M. Unnithan	ICSIEE2421	Co-author	Elamukallu Thengamam	adithyanunnithan@gmail.com	Student	Sree Buddha College of Eng	YES	[signature]

11	AKASH KRISHNAN	ICSIEE2423	AUTHOR	CHANDRODAYAM HARIPPAD	akashkrishnan811@gmail.com	STUDENT	SREE BUDDHA COLLEGE OF ENGINEERING	YES	[signature]
12	Althaf Hassan	ICSIEE2412	AUTHOR	Kolanparampil Adoor	althaf136328@gmail.com	STUDENT	SREE "	YES	[signature]
13	AKASH VARMA	ICSIEE2438	AUTHOR	Kalathil Pady	akashvarma28042000@gmail.com	STUDENT	Mangalam college of engineering	Yes	[signature]
14	Nelson.E.S	ICSIEE2417	AUTHOR	Elavanchu kushi	nelsonkubin123@gmail.com	STUDENT	mangalam College of engg	yes	[signature]
15	[illegible]								
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Dear attendee,
Thank you for participating in our recent conference. We are committed to continually improving our events and would and would appreciate our events and would appreciate your feedback.please take a few moment to complete this evaluation survey. Your responses will be kept confidential and will help us to better understand your experience and make improvement for future conference

Name *

Annmary CA

How would you rate the quality of the speaker presentations?

- (●) Strongly Agree
- ( ) Agree
- ( ) Neutral
- ( ) Disagree
- ( ) Strongly Disagree

Email Id *

annmaryca0@gmail.com



the content of the conference relevant to your professional development needs? *

- Strongly Agree
- Agree
- Neutral
- Disagree

How satisfied were you with the level of interaction and engagement in the conference sessions? *

- (●) Strongly Agree
- ( ) Agree
- ( ) Neutral
- ( ) Disagree
- ( ) Strongly Disagree

How would you rate the overall organization of the conference? *

- (●) Strongly Agree
- ( ) Agree
- ( ) Neutral
- ( ) Disagree
- ( ) Strongly Disagree

PRINCIPAL
MANGALAM COLLEGE OF ENGINEERING
Ettimadai

the conference venue appropriate for the event?

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

How satisfied were you with the catering and food options provided during the conference? *

- (●) Strongly Agree
- ( ) Agree
- ( ) Neutral
- ( ) Disagree
- ( ) Strongly Disagree

How would you rate your overall experience at the conference? *

- (●) Strongly Agree
- ( ) Agree
- ( ) Neutral
- ( ) Disagree
- ( ) Strongly Disagree

PRINCIPAL
MANGALAM COLLEGE OF ENGINEERING
Ettumanoor

you attend another conference organized by us in the future? *

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

Is there anything you would like to see improved for future conferences? *

Not yet

This form was created inside of Mangalam College of Engineering. Kerala - India..

Google Forms

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MANGALAM COLLEGE OF ENGINEERING
Ettumanoor

INTERNATIONAL CONFERENCE ON SMART INNOVATION IN ELECTRICAL ENGINEERING

Dear attendee,
Thank you for participating in our recent conference. We are committed to continually improving our events and would and would appreciate our events and would appreciate your feedback.please take a few moment to complete this evaluation survey. Your responses will be kept confidential and will help us to better understand your experience and make improvement for future conference

Name *

Vinayak T S

How would you rate the quality of the speaker presentations?

- (●) Strongly Agree
- ( ) Agree
- ( ) Neutral
- ( ) Disagree
- ( ) Strongly Disagree

Email Id *

vinayakts2001@gmail.com



the content of the conference relevant to your professional development needs? *

- Strongly Agree
- Agree
- Neutral
- Disagree

How satisfied were you with the level of interaction and engagement in the conference sessions? *

- (●) Strongly Agree
- ( ) Agree
- ( ) Neutral
- ( ) Disagree
- ( ) Strongly Disagree

How would you rate the overall organization of the conference? *

- (●) Strongly Agree
- ( ) Agree
- ( ) Neutral
- ( ) Disagree
- ( ) Strongly Disagree

PRINCIPAL
MANGALAM COLLEGE OF ENGINEERING
Ettumanoor

MANGALAM COLLEGE OF ENGINEERING
ETTUMANOOR

Was the conference venue appropriate for the event?

- (●) Strongly Agree
- ( ) Agree
- ( ) Neutral
- ( ) Disagree
- ( ) Strongly Disagree

How satisfied were you with the catering and food options provided during the conference? *

- (●) Strongly Agree
- ( ) Agree
- ( ) Neutral
- ( ) Disagree
- ( ) Strongly Disagree

How would you rate your overall experience at the conference? *

- (●) Strongly Agree
- ( ) Agree
- ( ) Neutral
- ( ) Disagree
- ( ) Strongly Disagree

PRINCIPAL

Would you attend another conference organized by us in the future? *

- (●) Strongly Agree
- ( ) Agree
- ( ) Neutral
- ( ) Disagree
- ( ) Strongly Disagree

Is there anything you would like to see improved for future conferences? *

Yes

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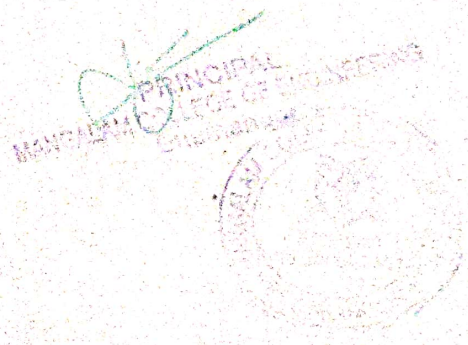
Google Forms



INTERNATIONAL CONFERENCE ON SMART INNOVATION IN ELECTRICAL ENGINEERING

Dear attendee,

Thank you for participating in our recent conference. We are committed to continually improving our events and would and would appreciate our events and would appreciate your feedback.please take a few moment to complete this evaluation survey. Your responses will be kept confidential and will help us to better understand your experience and make improvement for future conference

Name *

Aparna Pradeep

How would you rate the quality of the speaker presentations?

- (●) Strongly Agree
- ( ) Agree
- ( ) Neutral
- ( ) Disagree
- ( ) Strongly Disagree

Email Id *

aparnapradeep93@gmail.com

Was the content of the conference relevant to your professional development needs? *

- (●) Strongly Agree
- ( ) Agree
- ( ) Neutral
- ( ) Disagree

How satisfied were you with the level of interaction and engagement in the conference sessions? *

- (●) Strongly Agree
- ( ) Agree
- ( ) Neutral
- ( ) Disagree
- ( ) Strongly Disagree

How would you rate the overall organization of the conference? *

- (●) Strongly Agree
- ( ) Agree
- ( ) Neutral
- ( ) Disagree
- ( ) Strongly Disagree

PRINCIPAL

the conference venue appropriate for the event?

Strongly Agree

Agree

Neutral

Disagree

Strongly Disagree

ow satisfied were you with the catering and food options provided during the conference? *

- Strongly Agree
- (•) Agree
- ( ) Neutral
- ( ) Disagree
- ( ) Strongly Disagree

ow would you rate your overall experience at the conference? *

- (•) Strongly Agree
- ( ) Agree
- ( ) Neutral
- ( ) Disagree
- ( ) Strongly Disagree

PRINCIPAL
MANGALAM COLLEGE OF ENGINEERING

ild you attend another conference organized by us in the future? *

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

Is there anything you would like to see improved for future conferences? *

Time management

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KOTHAMANGALAM

MANGALAM COLLEGE OF ENGINEERING

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MLMCE/EEE/2023-24 Date:23/01/2024

Circular

We are happy to inform you that the Department of EEE is organizing FDP on

Unleashing the Sustainable Developments and Future Trends in Electrical Engineering

from **29-01-2024 to 2-02-2024** in online mode. All staff, PG and Research

Scholars are requested to attend.

HOD

PRINCIPAL

FACULTY DEVELOPMENT PROGRAMME(FDP)

Organized By

Department of Electrical and Electronics Engineering

MANGALAM COLLEGE OF ENGINEERING

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VISION OF INSTITUTE

To emerge as a center of excellence in technical education and research, creating responsible and consummate professionals.

MISSION OF INSTITUTE

Inspire the learners to be globally competent engineers through innovative teaching and learning methods and imbibe a sense of social responsibility and ensure impact in their field both in higher learning and research.

5 DAY ONLINE

FACULTY DEVELOPMENT PROGRAMME(FDP)

ON

Unleashing the Sustainable Developments and Future Trends in Electrical Engineering

29th January - 2nd February

2pm to 5pm

ABOUT INSTITUTION

Mangalam is a fully progressive institute started since the dawn of April 2003 under the initiative of one man and a progressive group of people with social commitment and dedication. The founding zeal with the publication of a modest, three page prospectus, Mangalam College of Engineering (Mangalam) is one of the most prominent and professional institutions of repute and is acclaimed as a World Class Institute of Engineering. Added impetus planning in the field of technical education with commencing post graduate programmes in engineering with the aim of producing the professional engineers of tomorrow who are not only technically sound but also well versed in management and entrepreneurship skills. Mangalam is committed to equip the students with knowledge and skills required to participate in today's rapidly changing world.

Approved by the All India Council for Technical Education (AICTE), New Delhi and affiliated to the A P J Abdul Kalam Technological University, Kerala, it is accredited by the Management Association Quality India. In addition to being ISO 9001:2015 certified, Mangalam has been accredited with the conferment of 'A' grade by NAAC. Over the years of excellence, the institution has put tremendous efforts to provide the best facilities for the enrichment of quality technical education. Mangalam College has been consistently strengthened in time and infrastructure.

NAAC | NBA NATIONAL BOARD of ACCREDITATION

CE CSE ME ECE

ABOUT DEPARTMENT

Electrical engineering is a field of engineering that generally deals with the study and application of electricity, electronics and electromagnetism. The field first arose as commercial application of the late 19th century with the development of the electric telegraph and telephone, followed by electric power generation, electric lighting and electrical power supply.

It also covers a range of subtopics including power engineering, electronic engineering, control engineering and signal processing. Power engineering is the design of systems for the production and transmission of electricity on a large scale. Electronic engineering involves the design of smaller circuits using components such as transistors, diodes, capacitors and inductors. Control engineering focuses on the modeling of dynamic systems and the design of controllers that will cause these systems to behave in the desired manner. Signal processing is the analysis and manipulation of signals. Signals can be either analog, in which case the signal varies continuously with time or digital, in which case the signal varies according to a series of discrete values representing binary numbers. Computers and other digital devices are commonly used to process signals.

VISION OF DEPARTMENT

To persist as a premier department in education and research, prepare our students to attain their dreams of becoming competent professional engineering practitioners.

MISSION OF DEPARTMENT

Relentlessly strive to create vibrant learning environment, provide state of the art laboratory facilities and actively engage in research and live up to high moral and ethical standards.

eeedept@mangalam.in

ABOUT FDP

Explore the dynamic landscape of Electrical Engineering as it undergoes a transformative journey towards sustainability and embraces future trends. From the integration of renewable energy sources to the rise of electric vehicles and smart infrastructure, discover how this field is shaping a greener, more connected world. Dive into the exciting intersection of artificial intelligence, 5G technology, and innovative solutions, and witness the impact of Electrical Engineering in paving the way for a sustainable and technologically advanced future.

CHIEF PATRONS

Dr. Biju Varghese
Chairman

PATRON

Dr. Vinodh P. Vijayan
Principal

CONVENOR

Dr. Honey Baby
HOD, EEE

ADVISORY COMMITTEE

Ms. Sreekala V M
Assistant Professor
EEE

Ms. Anupama M
Assistant Professor
EEE

COORDINATORS

Dr. Honey Baby
Associate Professor
HOD, EEE

Ms. Jolly George
Assistant Professor
EEE

Ms. Jeepa K J
Assistant Professor
EEE

WHO CAN PARTICIPATE

Faculty members of all AICTE & KTU affiliated institutions, Research Scholars, PG Students, Industrialists.

CERTIFICATE

Certificate will be issued to all participants.

REGISTRATION LINK

https://docs.google.com/forms/d/e/1FAIpQLSdb5DysGsTYcfle1bPFtop49gAvNKp8h2vbAsDPGngxa_9cEg/viewform

OR

Last Date for Registration
29/01/2024

Registration Fees: Rs. 300/-

Acc.No. 918010067476322
Bank Name: Axis Bank
Account type: Current
IFSC: UTIB0003213

Contact by:
Dr. Honey Baby
+91 8547985019
honey.baby@mangalam.in

Note: FDP section google meet link will be provided after registration.

eeedept@mangalam.in

SCHEDULE FROM 29th JAN to 2nd FEB 2024

Day 1

Robotics

Understand how electrical circuits form the backbone of robotic functionalities.
Discuss electrical control systems governing robot movements.

Day 2

Transitioning to Renewable Energy

Environmental, economic, and geopolitical challenges associated with traditional energy sources.
Sustainability and environmental benefits of transitioning to renewable energy.

Day 3

mart Grid

xploring the role of advanced sensors and communication technologies in smart grids.
rid automation and its impact on optimizing epergy distribution.

Day 4

ergy Storage Devices

ploring various battery technologies, including lithium-ion, lead-acid, nickel-metal hybrid, and erging technologies.
plore advancements in materials used in energy storage devices.

Day 5

rogen Based Vehicles

rent types of hydrogen vehicles, including fuel cell vehicles (FCVs) and hydrogen internal bustion engine vehicles.

RESOURCE PERSONS

Robotics
Dr. Abhilash T. Vijayan
Associate Professor
Department of EEE
Rajiv Gandhi Institute of Technology(RIT)
Kottayam



Transitioning to Renewable Energy
Dr. K. K. Sasi
Project Director -Ahalia Alternate Energy Pvt Ltd.(2015-2018)



Smart Grid
Dr. S. Sreejith
Assistant Professor Grade 1
Department of EEE
NIT Silchar



Energy Storage Devices
Dr. Raju M
Assistant Professor
Department of EEE
College of Engineering Chengannur



Hydrogen Based Vehicles
Dr. Alayen S
Assistant Professor
Department of EEE



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15 /03/ 2024

REPORT ON Unleashing the Sustainable Developments and Future Trends in Electrical Engineering

Description of the events

The Faculty Development Program (FDP) on "Unleashing the Sustainable Developments and Future Trends in Electrical Engineering" was successfully conducted at Mangalam College of Engineering, Ettumanoor.The program aimed to provide educators and researchers in the field of electrical engineering within sights into sustainable technologies and future trends that are shaping the industry. The FDP is organized by Department of Electrical and Electronics Engineering, Mangalam College of Engineering from 29-01-2024 to 02-02-2024 through online for 5 Days.

ProgramOverview:

The FDP spanned Five days and featured a diverse range of sessions, including

Keynote presentations, panel discussions,hands-on workshops, and interactive sessions.The topics covered during the program included:

1. Robotics (Day1)
2. Transitioning to RenewableEnergy (Day 2)
3. Smart Grid (Day3)
4. Energy Storage Devices (Day4)
5. Hydrogen Based Vehicles (Day5)

The Resource persons for the event

Dr.AbhilashPVijayan(AssociateProfessor,Rajiv Gandhi Institute of Technology,Kottayam)taken"Robotics" on 29/1/2024at 7 pm through Gmeet.

Dr.KK Sasi (Project Director-Ahalia A Alternate Energy Pvt Ltd.taken"Transitioning to RenewableEnergy"on 30/1/2024 at 7 pm through Gmeet.

Dr.S Sreejith(AssistantProfessorGrade1,Depatrment of EEE,NIT Silchar taken "Smart Grid"on 31/01/2024 at 7 pm through Gmeet.

PRINCIPAL

Dr.RajuM (Assistant Professor ,Department of EEE,College of Engineering Chengannur taken"Energy Storage Devices"on01/2/2024 at 7pm through Gmeet.

Dr.AjayanS(AssistantProfessor,NSS College of Engineering,Palakkad taken"Hydrogen Based Vehicles" on 02/02/2024 at 07pm through Gmeet.

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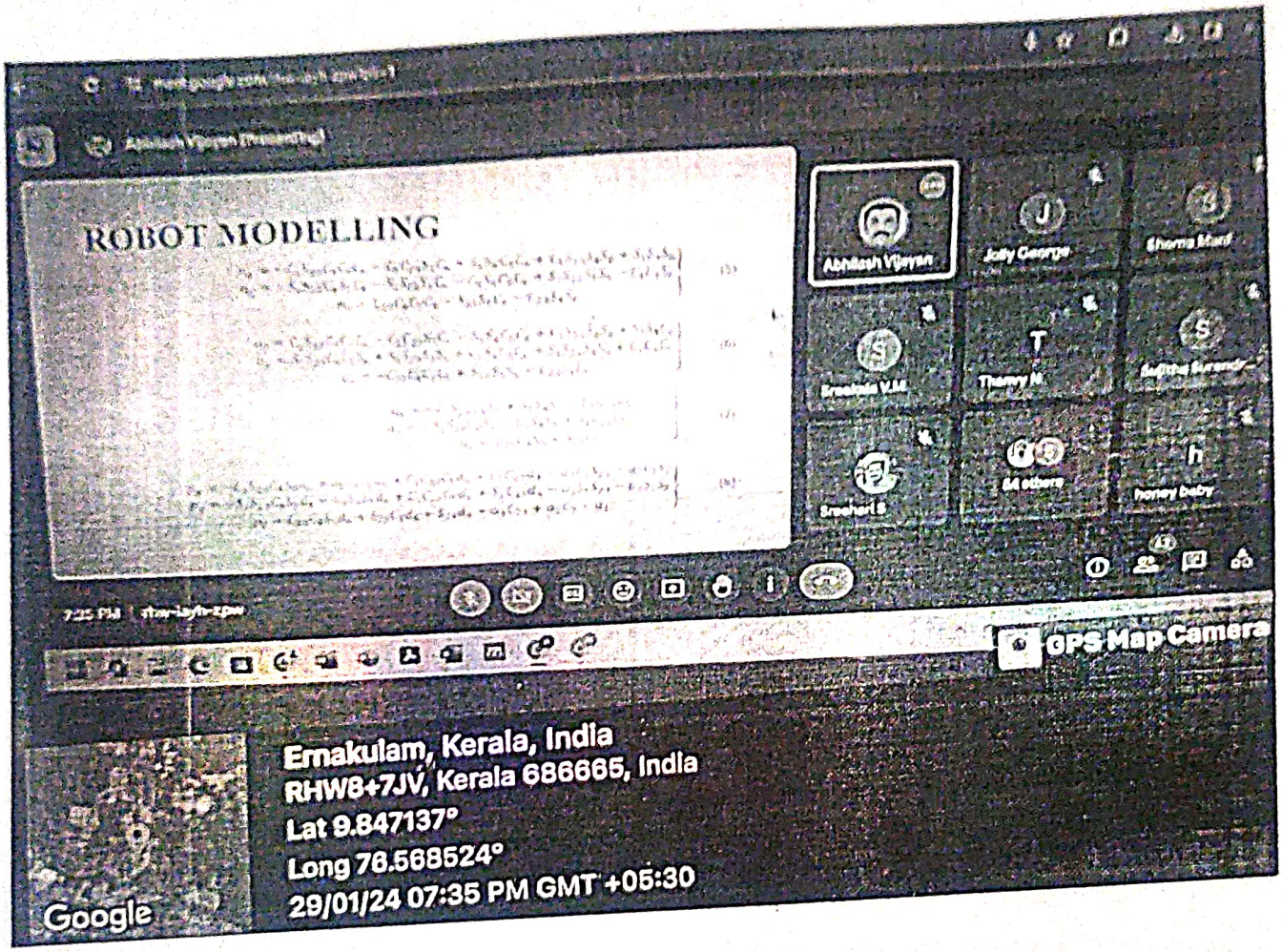
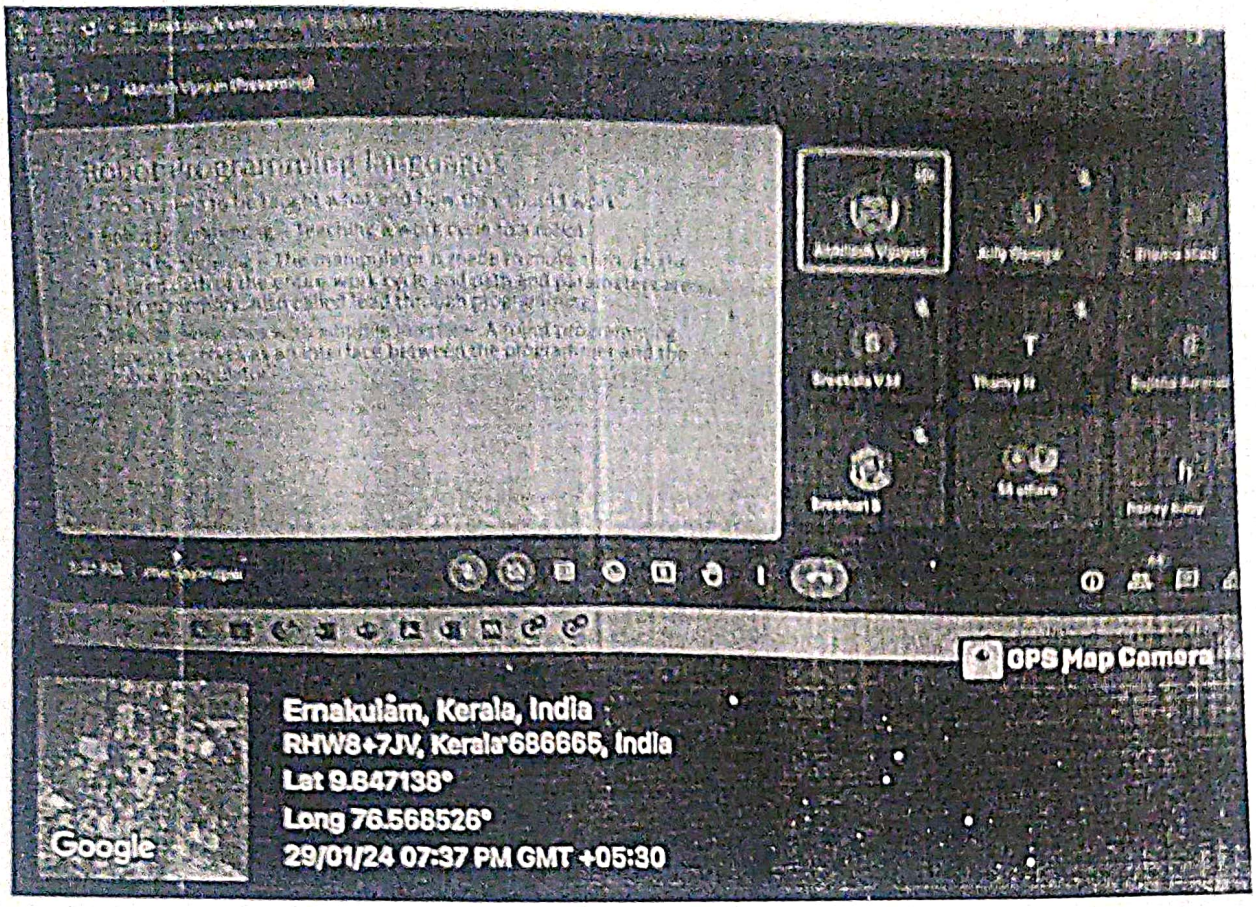
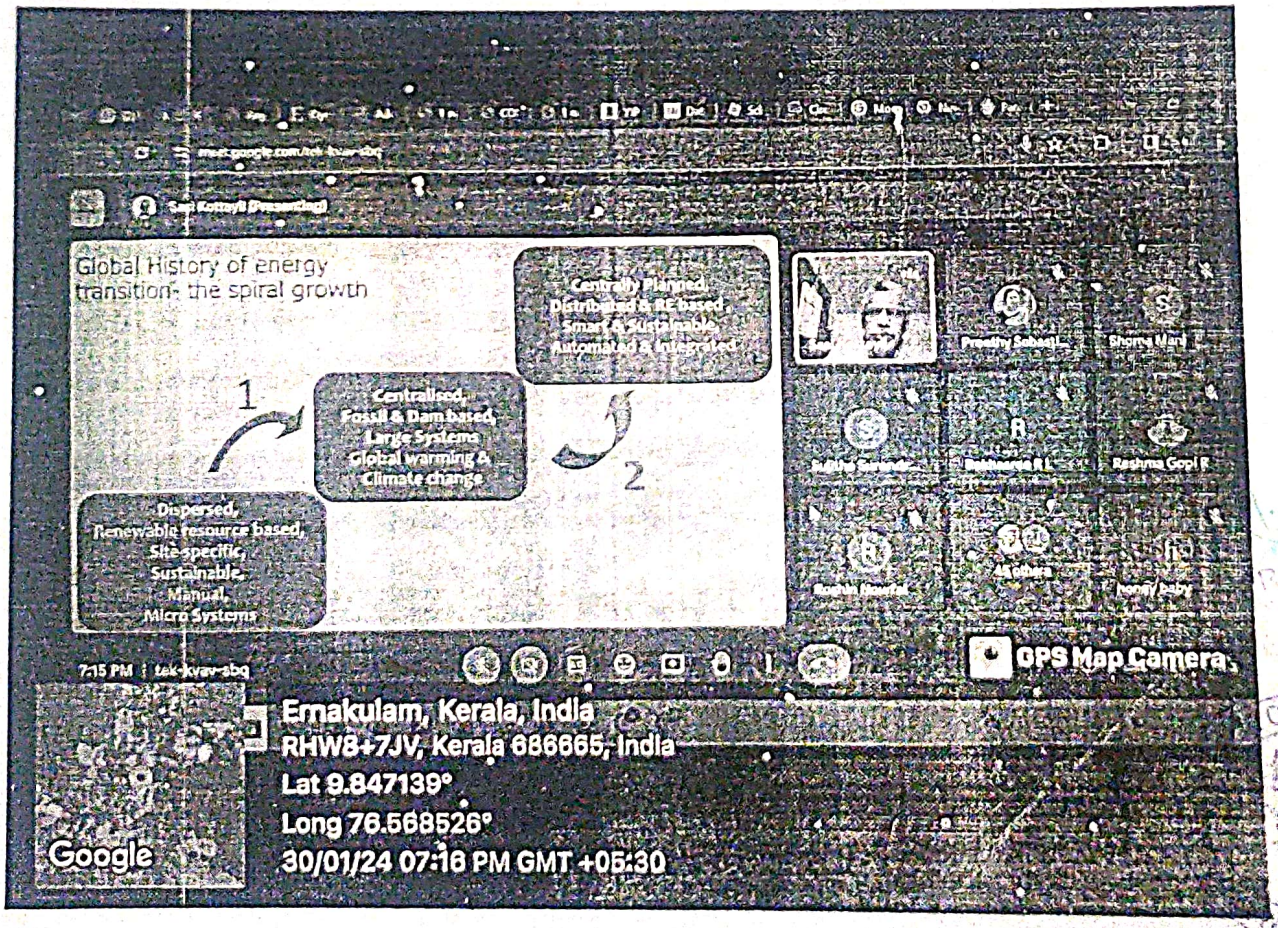
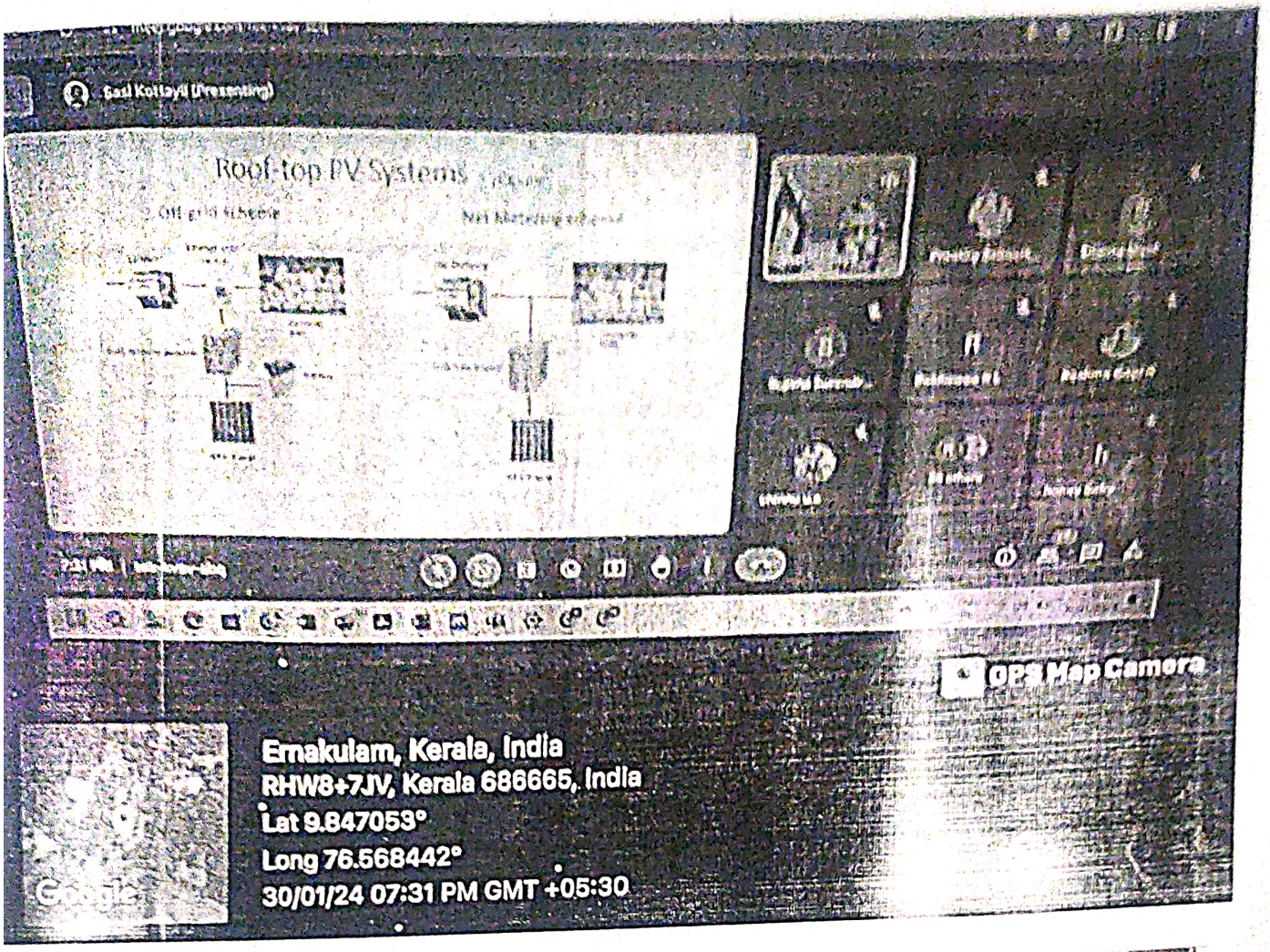
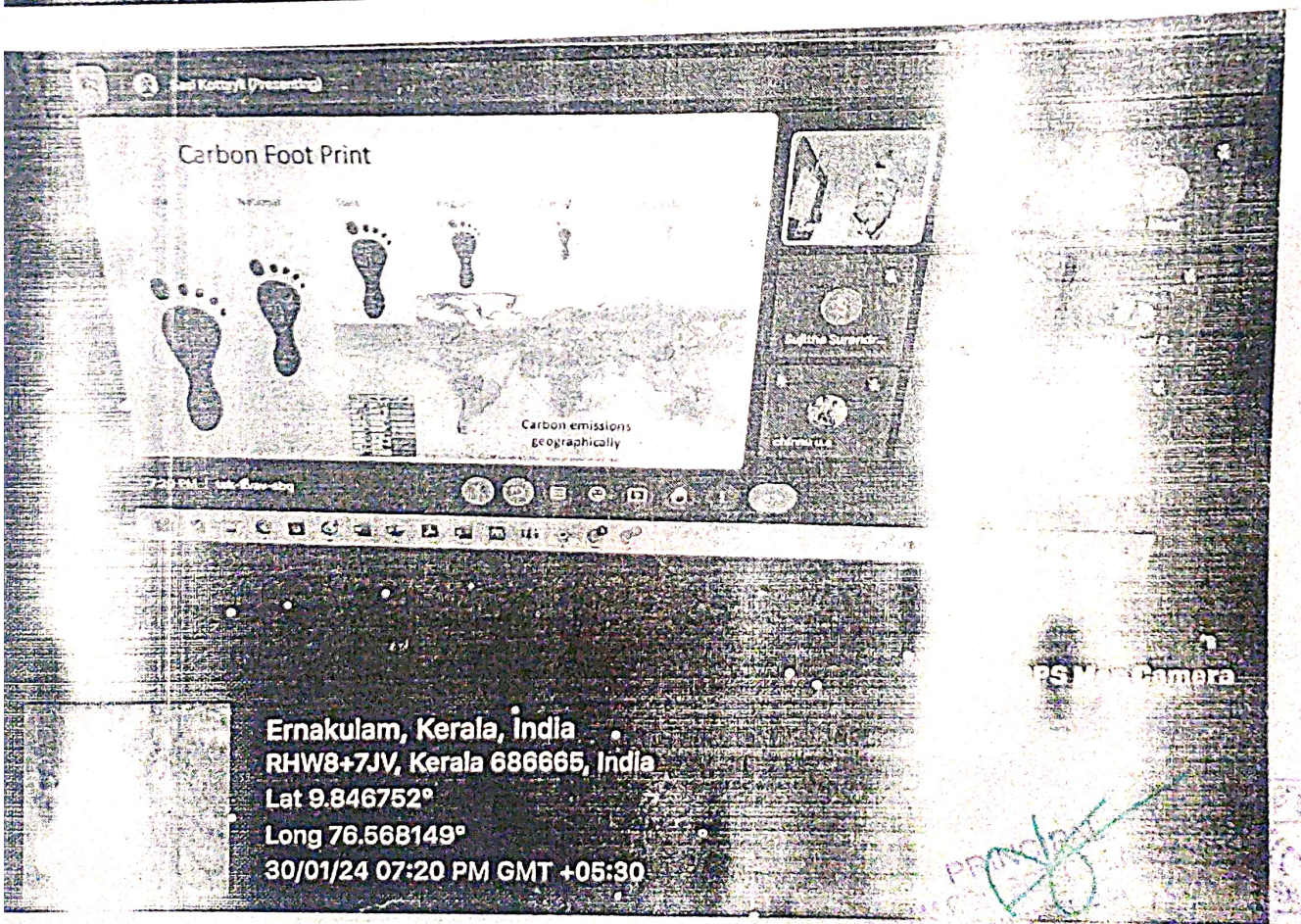


PRINCIPAL
MANGALAM COLLEGE OF ENGINEERING
Ernakulam


GPS Map Camera
Ernakulam, Kerala, India
RHW8+7JV, Kerala 686665, India
Lat 9.847138°
Long 76.568526°
29/01/24 07:37 PM GMT +05:30
Google


Global History of energy transition- the spiral growth
Centrally Planned, Distributed & RE based, Smart & Sustainable, Automated & Integrated
Centralised, Fossil & Dam based, Large Systems, Global warming & Climate change
Dispersed, Renewable resource based, Site-specific, Sustainable, Manual, Micro Systems
1
2
GPS Map Camera
Ernakulam, Kerala, India
RHW8+7JV, Kerala 686665, India
Lat 9.847139°
Long 76.568526°
30/01/24 07:16 PM GMT +05:30
Google


Rooftop PV Systems
Ernakulam, Kerala, India
RHW8+7JV, Kerala 686665, India
Lat 9.847053°
Long 76.568442°
30/01/24 07:31 PM GMT +05:30


Carbon Foot Print
Carbon emissions geographically
Ernakulam, Kerala, India
RHW8+7JV, Kerala 686665, India
Lat 9.846752°
Long 76.568149°
30/01/24 07:20 PM GMT +05:30

MANGALAM COLLEGE OF ENGINEERING

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Feedbackof Participant

ParticipantName : Anupama V M
Designation : Assistent Professor
Affiliation/Address:Contact Number : 8943545849
E mail : anupama.m@mangalam.in

FeedbackofAttendingEvent

Response: Excellent Classes. Informative

Approval Rating (PleaseTick):

1	2	3	4	5 ✓	6	7	8	9	10

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MANGALAM COLLEGE OF ENGINEERING

Name & Signature of Participant

Electrical engineering is a field of engineering that generally deals with the study and application of electricity, electronics and electromagnetism.
The field first became an identifiable occupation in the late nineteenth century after commercialization of the electric telegraph and electrical power supply.
It now covers a range of subtopics including power, electronics, control systems, signal processing and telecommunications.
From the Global Positioning System to electric power generation, electrical engineers have contributed to the development of a wide range of technologies.
They design, develop, test and supervise the deployment of electrical systems and electronic devices.
The Department of Electrical and Electronics Engineering was established in the year 2002.
It is well equipped with highly commendable facilities and is effectively headed by Dr. Honey Baby and guided by a team of highly experienced , dedicated and diligent faculty members .

VISION OF DEPARTMENT EEE

To excel as a premier department in education and research, support our students to shape their dreams of becoming employable committed engineering professionals.

MISSION OF DEPARTMENT EEE

Relentlessly strive to create vibrant learning environment, provide state of the art laboratory facilities, and actively engage in research and live up to high moral and ethical standards.

ABOUT BSH DEPARTMENT

The Basic Science and Humanities Department of this esteemed institution combines faculties par brilliance with best laboratory set-ups to provide students with excellent and all round exposure in theoretical knowledge and practical training in the subjects like: Engineering Physics, Engineering Chemistry, Environment and Ecology, Mathematics English Language and Communication. The department boasts of an up to date English Communication to increase proficiency in English Language to cope up with the cut throat competition in the job market. We equip students to imbibe best humane and professional values.
It is well equipped with highly commendable facilities and is effectively headed by Prof. Lekshmi S and guided by a team of highly experienced, dedicated and diligent faculty members .

5 DAY ONLINE
FACULTY DEVELOPMENT PROGRAMME(FDP)
ON

Mathematical Advances in Electrical Engineering: Challenges and Exploration

18th June - 22nd June

7pm to 8pm

ABOUT INSTITUTION

Mangalam as a sole proprietary concern came into being in April 1969 under the initiative of late Mr. M C Varghese, a great visionary with social commitment and dedication. The starting was with the publication of a weekly, titled Mangalam. Mangalam College of Engineering &Technology is one of the most prestigious and preferred institutions of Kerala and is established in 2002. Mangalam College of Engineering (MLM) stands supreme in the field of technical education with excellence and quality in education. In keeping with MLM's goal of excellence, the academic programs is supported by well experienced and dedicated faculty, which is committed to equip the student with knowledge and skills needed to succeed in today's rapidly changing world.
Approved by the All India Council for Technical Education (AICTE) and affiliated to the A P J Abdul Kalam Technological University in Kerala, MLM is promoted by the Mangalam Educational Society, with a mission to bring out leaders for a technology – driven environment. With the completion of 20 years of excellence, the institution has put tremendous efforts to provide the best facilities for the attainment of quality Technical Education. Mangalam College has been constantly strengthened in size and infrastructure.

NAAC

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CE CSE
ME ECE

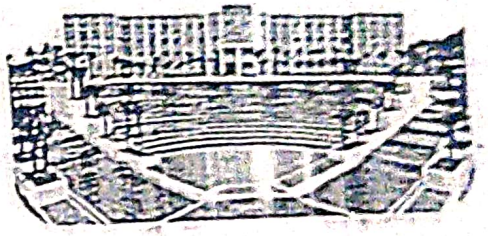
FACULTY DEVELOPMENT PROGRAMME(FDP)
Organized By

Department of Electrical and Electronics Engineering

&

Department of Basic Science and Humanities

MANGALAM
COLLEGE OF ENGINEERING
Inspire|Imbibe|Innovate



VISION OF INSTITUTE

To emerge as a center of excellence in technical education and research, creating employable and committed professionals

MISSION OF INSTITUTE

Inspire the learners to be globally competent engineers through innovative teaching and learning methods and imbibe a sense of social responsibility and creative inquiry in them that leads to lifelong learning and research.

eeedept@mangalam.in

ABOUT FDP

The primary goal of this Faculty Development Program (FDP) is to enhance the knowledge and skills of faculty members in the field of Electrical Engineering, focusing on the latest mathematical advancements and their applications. This FDP aims to provide a comprehensive understanding of the theoretical and practical aspects of recent mathematical methods, tools, and techniques that address current challenges in Electrical Engineering. This FDP will cover a range of topics that bridge the gap between mathematical theories and their practical applications in Electrical Engineering. The program is designed to include lectures, hands-on sessions, case studies, and interactive discussions, led by experts from academia and industry.

CHIEF PATRONS

Dr. Biju Varghese
Chairman

PATRON

Dr. Vinodh P. Vijayan
Principal

COORDINATORS

Dr. Honey Baby
HOD, EEE
Prof. Lekshmi S
HOD, BSH

ADVISORY COMMITTEE

Ms. Jolly George
Assistant Professor
EEE

Ms. Sreekala V M
Assistant Professor
EEE

Ms. Anupama M
Assistant Professor
EEE

Mr. Arun Chandrakumar K
Assistant Professor
EEE

Ms. Nimisha K Sabu
Assistant Professor
BSH

Ms. Hariprlya Haridas
Assistant Professor
BSH

Ms. Chinchumol Paradiyil Stephen
Assistant Professor
BSH

WHO CAN PARTICIPATE

Faculty members of all AICTE & KTU affiliated institutions, Research Scholars, PG Students, Industrialists.

CERTIFICATE

Certificate will be issued to all participants.

REGISTRATION LINK

https://forms.gle/AoZ1ih1YVMrxkYiR6

Last Date for Registration
17/06/2024

Registration Fees: Rs. 300/-

Acc.No. 918010067476322
Bank Name: Axis Bank
Account type: Current
IFSC: UTIB0003213

Contact by:
Dr. Honey Baby
+91 8547965019, +91 7907778564
honey.baby@mangalam.in

Note: FDP session google meet link will be provided after registration.

eeedept@mangalam.in

SCHEDULE FROM 18th JUNE to 22nd JUNE

DAY 1

Prof.Varun Bonian(Ph.D)
Optimisation in Machine Learning
Optimization in machine learning involves adjusting model parameters to minimize or maximize an objective function, usually the error between predictions and actual outcomes.

DAY 2

Dr. P C Thomas
State Merger in Power System
State merger in power systems involves consolidating multiple states or regions into a single, unified power grid. This can enhance grid stability, efficiency, and resource sharing, leading to improved overall performance and reliability.

DAY 3

Ms. Preethi Sebastian
Mathematical Modeling of Grid Connected Wind Generator
Mathematical modeling of grid-connected wind generators involves using mathematical techniques to analyze and optimize their performance, ensuring efficient integration into the power grid.

DAY 4

Prof. John Jacob
Enhancement of Power System Reliability by Artificial Intelligence and Machine Learning
Artificial intelligence and machine learning enhance power system reliability by predicting failures and optimizing maintenance schedules.

DAY 5

Prof.Varun Bonian(Ph.D)
Mathematical Modeling in Action: Exploring Real-Life Scenarios
Mathematical modeling in action involves applying mathematical techniques to explore and solve real-life scenarios, enhancing understanding and decision-making across various fields.

RESOURCE PERSONS



No: MLMCE/EEE-BSH/2023-24/01 Date: 07/06/2024

Circular

Sub: Organizing Faculty Development Programme (FDP) "MATHEMATICAL ADVANCES IN ELECTRICAL ENGINEERING: CHALLENGES AND EXPLORATION" for the Faculty Members/Research Scholars/Industrial Persons of Electrical and Electronics Engineering Department and Basic science and Humanities MLMCE-Reg.

Ref: MLMCE/EEE-BSH/2023-24/01 dated: 07/06/2024

With reference to the above of the subject the Department of Electrical and Electronics Engineering and Basic science and Humanities has been decided to conduct FDP from 18th June 2024 to 22nd June 2024.

HoD: EEE

HoD: BSH

PRINCIPAL

To,
All Engineering Department
MLMCE

Copy to
The Chairman for kind information of Chairman
The Vice Principal (Academics) for kind information of the Vice Principal
The Vice Principal (Student Affairs) for kind information of the Vice Principal

Circular

Sub: Organizing Faculty Development Programme (FDP) "MATHEMATICAL ADVANCES.IN ELECTRICAL ENGINEERING: CHALLENGES AND EXPLORATION" for the Faculty Members/Research Scholars/Industrial Persons of Electrical and Electronics Engineering Department and Basic science and Humanities MLMCE-Reg.

Ref: MLMCE/EEE-BSH/2023-24/01 dated: 07/06/2024

With reference to the above of the subject the Department of Electrical and Electronics ngineering and Basic science and Humanities has been decided to conduct FDP from 18th une 2024 to 22nd June 2024.

oD: EEE

D: BSH

PRINCIPAL

Engineering Department

MCE

to

Chairman — for kind information of Chairman

ice Principal (Academics) — for kind information of the Vice Principal

ice Principal (Student Affairs) — for kind information of the Vice Principal

5 DAY ONLINE
FACULTY DEVELOPMENT PROGRAMME(FDP)
ON

Mathematical Advances in Electrical Engineering: Challenges and Exploration

18th June - 22nd June

7pm to 8pm

ABOUT INSTITUTION

Mangalam as a sole proprietary concern came into being in April 1969 under the initiative of late Mr. M C Varghese, a great visionary with social commitment and dedication. The starting was with the publication of a weekly, titled Mangalam. Mangalam College of Engineering &Technology is one of the most prestigious and preferred institutions of Kerala and is established in 2002. Mangalam College of Engineering (MLM) stands supreme in the field of technical education with excellence and quality in education. In keeping with MLM's goal of excellence, the academic programs is supported by well experienced and dedicated faculty, which is committed to equip the student with knowledge and skills needed to succeed in today's rapidly changing world.
Approved by the All India Council for Technical Education (AICTE) and affiliated to the A P J Abdul Kalam Technological University in Kerala, MLM is promoted by the Mangalam Educational Society, with a mission to bring out leaders for a technology - driven environment. With the completion of 20 years of excellence, the institution has put tremendous efforts to provide the best facilities for the attainment of quality Technical Education. Mangalam College has been constantly strengthened in size and infrastructure.

NAAC | NBA
CE CSE
ME ECE

FACULTY DEVELOPMENT PROGRAMME(FDP)
Organized By

Department of Electrical and Electronics Engineering

&

Department of Basic Science and Humanities

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COLLEGE OF ENGINEERING
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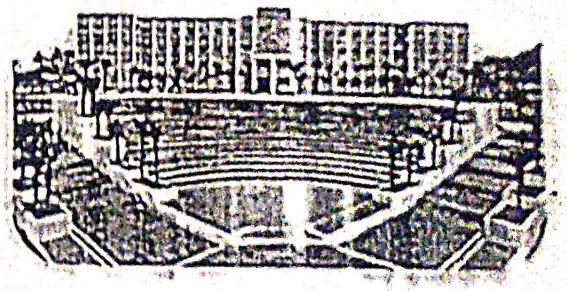

VISION OF INSTITUTE

To emerge as a center of excellence in technical education and research, creating employable and committed professionals

MISSION OF INSTITUTE

Inspire the learners to be globally competent engineers through innovative teaching and learning methods and imbibe a sense of social responsibility and creative inquiry in them that leads to higher learning and research.

ABOUT FDP

The primary goal of this Faculty Development Program (FDP) is to enhance the knowledge and skills of faculty members in the field of Electrical Engineering, focusing on the latest mathematical advancements and their applications. This FDP aims to provide a comprehensive understanding of the theoretical and practical aspects of recent mathematical methods, tools, and techniques that address current challenges in Electrical Engineering. This FDP will cover a range of topics that bridge the gap between mathematical theories and their practical applications in Electrical Engineering. The program is designed to include lectures, hands-on sessions, case studies, and interactive discussions, led by experts from academia and industry.

CHIEF PATRONS

Dr. Biju Varghese
Chairman

PATRON

Dr. Vinodh P. Vijayan
Principal

COORDINATORS

Dr. Honey Baby
HOD, EEE
Prof. Lekshmi S
HOD, BSH

ADVISORY COMMITTEE

Ms. Jolly George
Assistant Professor
EEE

Ms. Sreekala V M
Assistant Professor
EEE

Ms. Anupama M
Assistant Professor
EEE

Mr. Arun Chandrakumar K
Assistant Professor
EEE

Ms. Nimisha K Sabu
Assistant Professor
BSH

Ms. Haripriya Haridas
Assistant Professor
BSH

Ms. Chinchumol Paradiyil Stephen
Assistant Professor
BSH

WHO CAN PARTICIPATE

Faculty members of all AICTE & KTU affiliated institutions, Research Scholars, PG Students, Industrialists.

CERTIFICATE

Certificate will be issued to all participants.

REGISTRATION LINK

https://forms.gle/AoZ1ih1YJMrxkYiRv8

Last Date for Registration
17/06/2024

Registration Fees: Rs. 300/-

Acc.No. 918010067476322
Bank Name: Axis Bank
Account type: Current
IFSC: UTIB0003213

Contact by:
Dr. Honey Baby
+91 8547965019, +91 7907776564
honey.baby@mangalam.in

Note: FDP session google meet link will be provided after registration.

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SCHEDULE FROM 16th JUNE to 22nd JUNE

DAY 1

Prof. Varun Soman(Ph.D)

Optimization in Machine Learning

Optimization in machine learning involves adjusting model parameters to minimize or maximize an objective function, usually the error between predictions and actual outcomes.

DAY 2

Dr. P C Thomas

State Merger in Power System

State merger in power systems involves consolidating multiple states or regions into a single, unified power grid. This can enhance grid stability, efficiency, and resource sharing, leading to improved overall performance and reliability.

DAY 3

Ms. Preethi Sebastian

Mathematical Modeling of Grid Connected Wind Generator

Mathematical modeling of grid-connected wind generators involves using mathematical techniques to analyze and optimize their performance, ensuring efficient integration into the power grid.

DAY 4

Prof. John Jacob

Enhancement of Power System Reliability by Artificial Intelligence and Machine Learning

Artificial intelligence and machine learning enhance power system reliability by predicting failures and optimizing maintenance schedules.

DAY 5

Prof.Varun Soman(Ph.D)

Mathematical Modeling in Action: Exploring Real-Life Scenarios

Mathematical modeling in action involves applying mathematical techniques to explore and solve real-life scenarios, enhancing understanding and decision-making across various fields.

RESOURCE PERSONS



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28/06/2024

REPORT ON

Mathematical Advances in Electrical Engineering: Challenges and Exploration

Description of the events

The Faculty Development Program (FDP) on "Mathematical Advances in Electrical Engineering: Challenges and Exploration" was successfully conducted at Mangalam College of Engineering, Ettumanoor. The program aimed to provide educators and researchers in the field of electrical engineering with knowledge and skill, focusing on the latest mathematical advancements and their applications. The FDP is organized by Department of Electrical and Electronics Engineering, Mangalam College of Engineering from 18-06-2024 to 22-06-2024 through online for 5 Days.

Program

The FDP spanned Five days and featured a diverse range of sessions, including keynote presentations, panel discussions, lectures, hands-on sessions, case studies and interactive discussions led by experts from academia and industry. The topics covered during the program included:

1. Optimization in Machine Learning (Day 1)
2. State Merger in Power System (Day 2)
3. Mathematical Modeling of Grid Connected Wind Generator (Day 3)
4. Enhancement of Power System Reliability by Artificial Intelligence and Machine Learning (Day 4)
5. Mathematical Modeling in Action: Exploring Real-Life Scenarios (Day 5)

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The Resource persons for the event are

Prof. Varun Soman(Ph.D) *(Assistant Professor, CET, Trivandrum) taken "Optimization in Machine Learning" on 18/06/2024 and "Mathematical Modeling in Action: Exploring Real-Life Scenarios" on 22/06/2024 at 7 pm through Gmeet.*

Dr. P C Thomas *(Professor, Amal Jyothi College of Engineering, Kanjirapally) taken "State Merger in Power System" on 19/06/2024 at 7 pm through Gmeet.*

Ms. Preethi Sebastian *(Associate Professor, Department of EEE, Mangalam College of Engineering, Kottayam) taken "Mathematical Modeling of Grid Connected Wind Generator" on 20/06/2024 at 7 pm through Gmeet.*

Prof. John Jacob *(Assistant Professor, Department of EEE, Muthoot Institute of Science and Technology) taken "Enhancement of Power System Reliability by Artificial Intelligence and Machine Learning" on 21/06/2024 at 7 pm through Gmeet.*

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Content (Slides Included in next page onwards)

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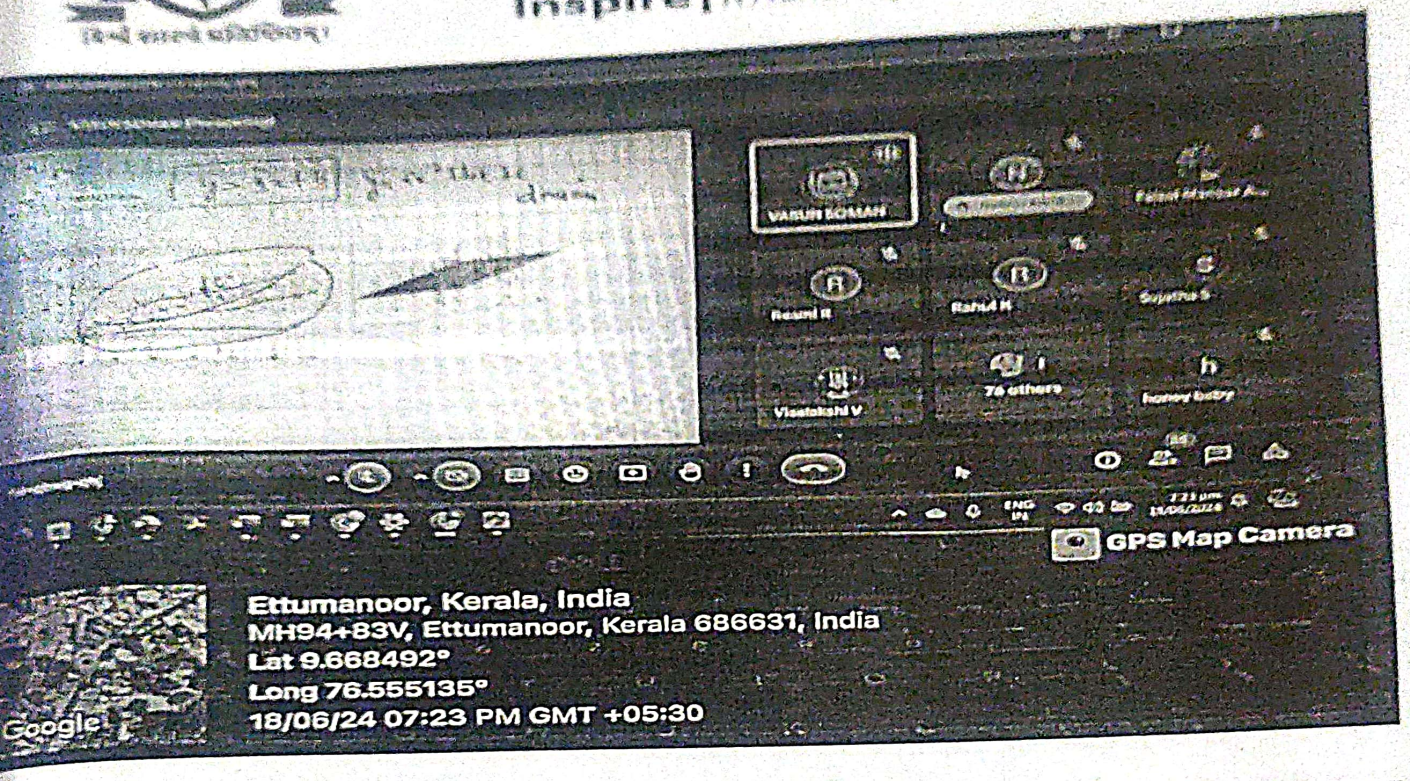
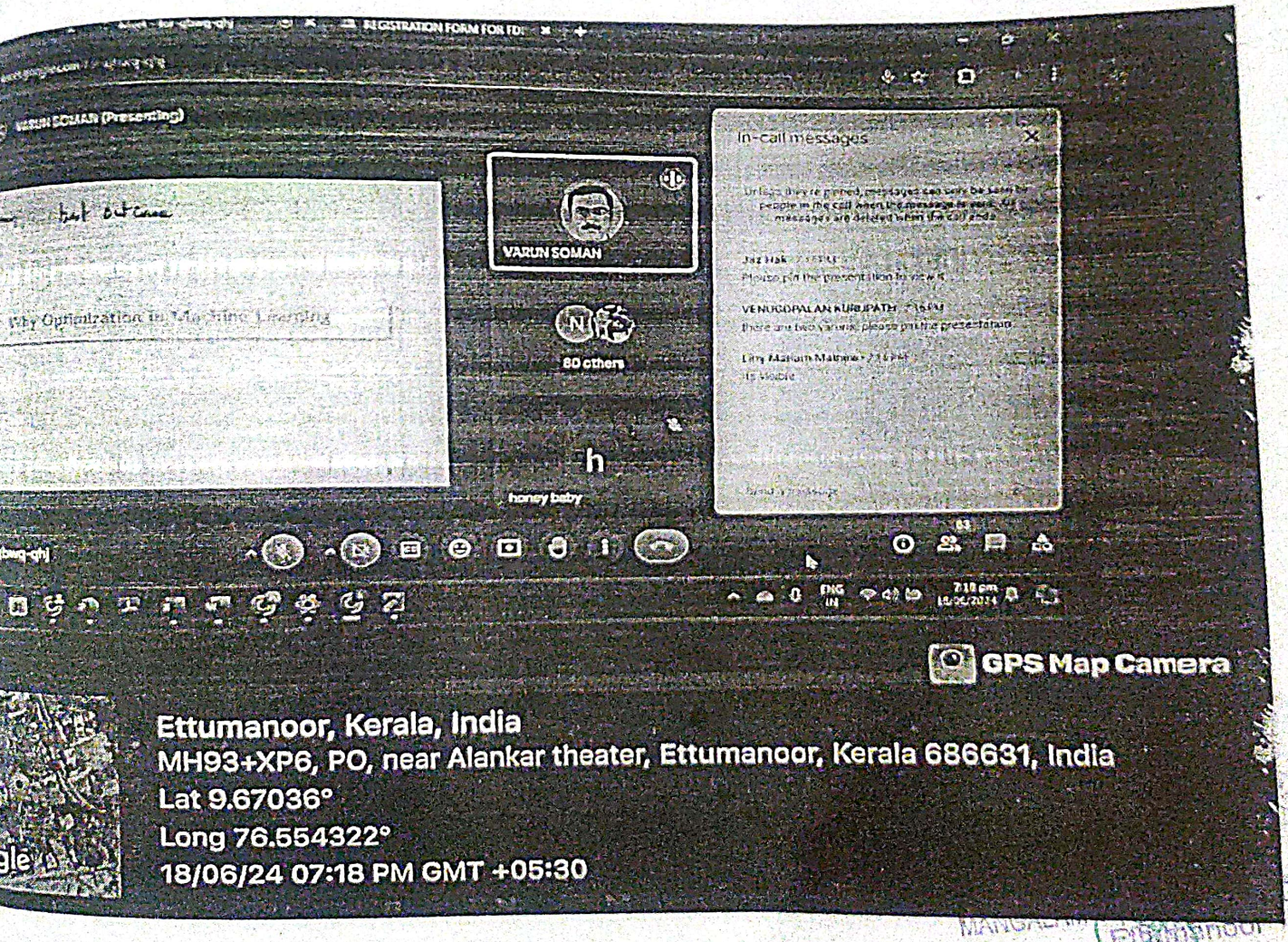





VARUN SOMAN
GPS Map Camera
Ettumanoor, Kerala, India
MH93+XP6, PO, near Alankar theater, Ettumanoor, Kerala 686631, India
Lat 9.670098°
Long 76.554422°
18/06/24 07:11 PM GMT +05:30


VARUN SOMAN (Presenting)
In-call messages
VARUN SOMAN
80 others
honey baby
GPS Map Camera
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MH93+XP6, PO, near Alankar theater, Ettumanoor, Kerala 686631, India
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Long 76.554322°
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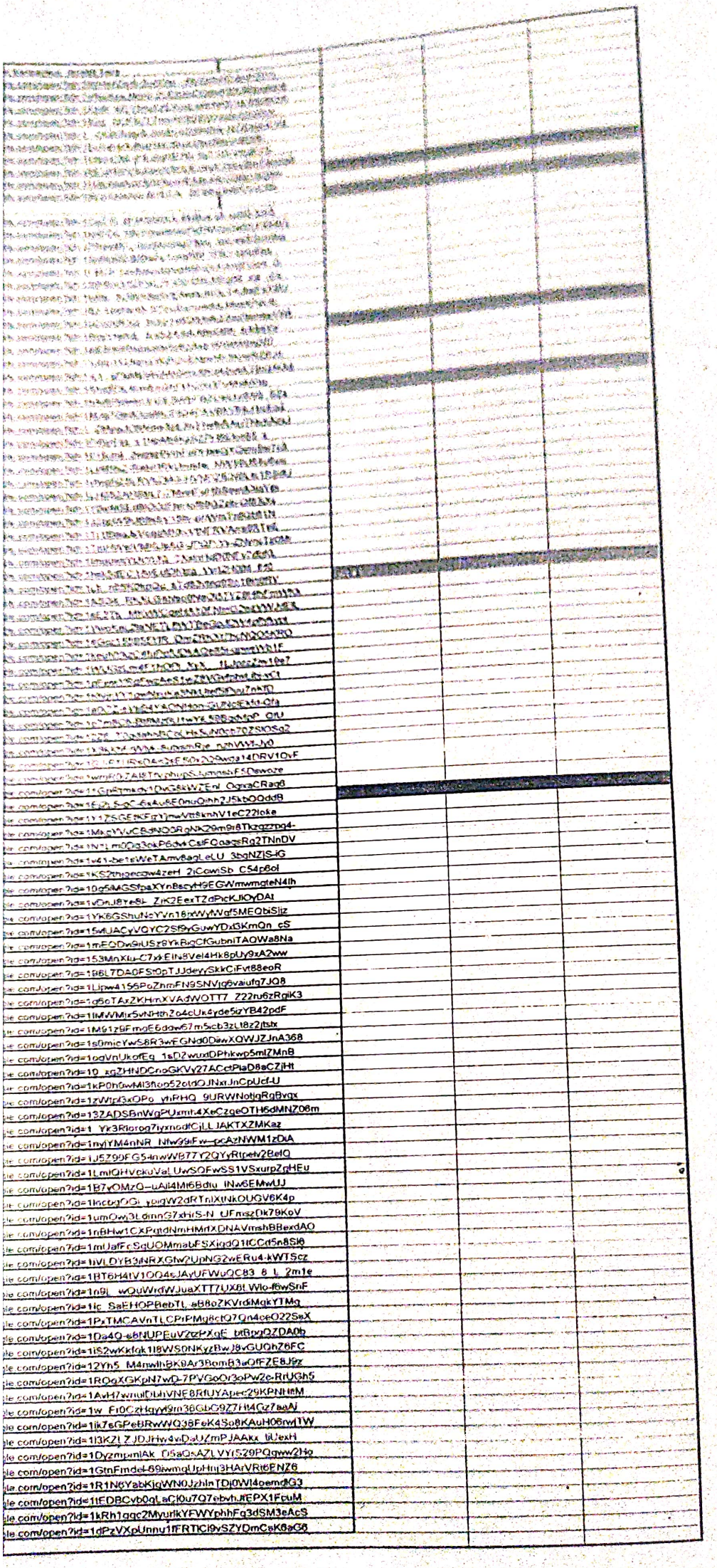

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FDP on Mathematical Advancement in Electrical Engineering- Challenges and Exploration

Attendance from 18/06/2024 to 22/06/2024

Sl no	Name	Designation	18/6	19/6	20/06	21/06	22/06
1	Dr.Honey Baby	Associate Professor					
2	Ms.Preethi Sebastian	Associate Professor					
3	Ms.Aiswarya Chandran	Assistant Professor					
4	Ms.Shoma Mani	Assistant Professor					
5	Ms.Jolly George	Assistant Professor					
6	Ms.Sreekala V.M	Assistant Professor					
7	Mr.Arun chandrakumar	Assistant Professor					

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Date: 08/04/2024

CHE/FDP/1/23-24

Circular

We are pleased to announce a **Faculty Development Program (FDP)** on the topic **"Soft Skills for Professional Excellence"** organized by the **Department of Chemical Engineering**, aimed at enhancing the interpersonal and professional skills essential for personal growth and academic success.

Event Details:

- **Topic:** Soft Skills for Professional Excellence
- **Dates:** April 15-17, 2024
- **Duration:** 3 Days
- **Venue:** Online -Google meet
- **Resource Person:** Ms. Maya Menon (Founder Of Mind Empowered)

The sessions will include interactive workshops, group discussions, and role-playing activities, designed to help participants build confidence and apply these skills in academic and professional environments.

Registration:

Kindly confirm your participation by **April 10, 2024** by registering at the Department Office or by emailing [hod.che@mangalam.in].

We strongly encourage you to take part in this valuable professional development opportunity.

Looking forward to your active participation!

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Ettumanoor

Principal

(Seal of the College)

MANGALAM COLLEGE OF ENGINEERING
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Date: 08/04/2024

CHE/FDP/1/23-24

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CHE

Date: 08/04/2024

CHE/FDP/1/23-24

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Date: 08/04/2024

CHE/FDP/1/23-24

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Principal

(Seal of the College)

Date: 08/04/2024

CHE/FDP/1/23-24

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FDP ON Soft Skills for Professional Excellence

15/04/2024 to 17/04/2024

PROGRAM SCHEDULE

DATE	TIME	TOPIC	RESOURCE PERSON
15/04/2024	06:00 p.m - 08:00 p.m	Enrich your time and Emerge yourself	Ms. Maya Menon Founder of Mind Empowered
16/04/2024	06:00 p.m - 08:00 p.m	Stress management and work life management	
17/04/2024	06:00 p.m - 08:00 p.m	Power of human values in leadership	

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Date:19/04/2024

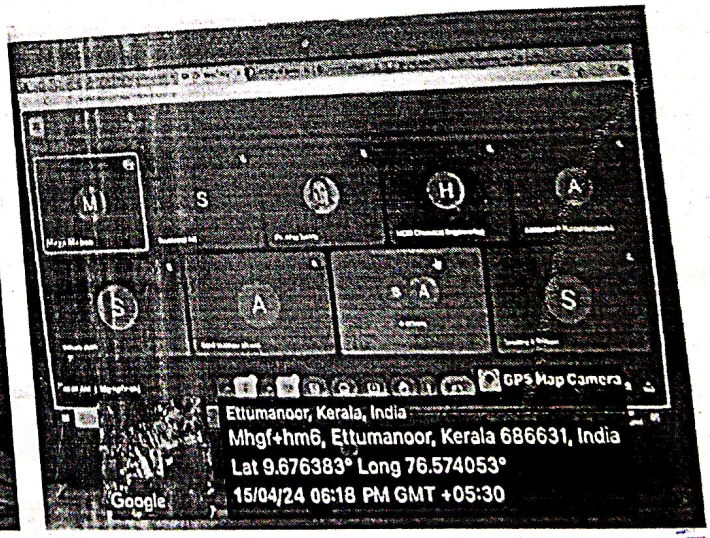
FDP on Soft Skills for Professional Excellence

A 3-day Faculty Development Program (FDP) on "Soft Skills for Professional Excellence" was conducted from APRIL 15-17, 2024, at the Department of Chemical Engineering. The program aimed at enhancing the interpersonal and communication skills of faculty members to foster professional growth and improve their teaching and mentoring capabilities.

The first session was inaugurated by Dr. Anju Sunny, head of the Department of Chemical Engineering, and welcomed Ms. Maya Menon, a renowned expert in organizational behavior and leadership development, who also served as the resource person for the event. Ms. Maya Menon's sessions were designed to provide practical insights into various soft skills, including effective communication, teamwork, time management, conflict resolution, and emotional intelligence, all of which are crucial for personal and professional success. A total of 17 participants, including faculty members and administrative staff, from various departments of the institute, attended the program. The event provided a platform for networking and knowledge exchange, and participants left with a deeper understanding of how to integrate soft skills into their daily professional practices.

Geo-tagged Photos





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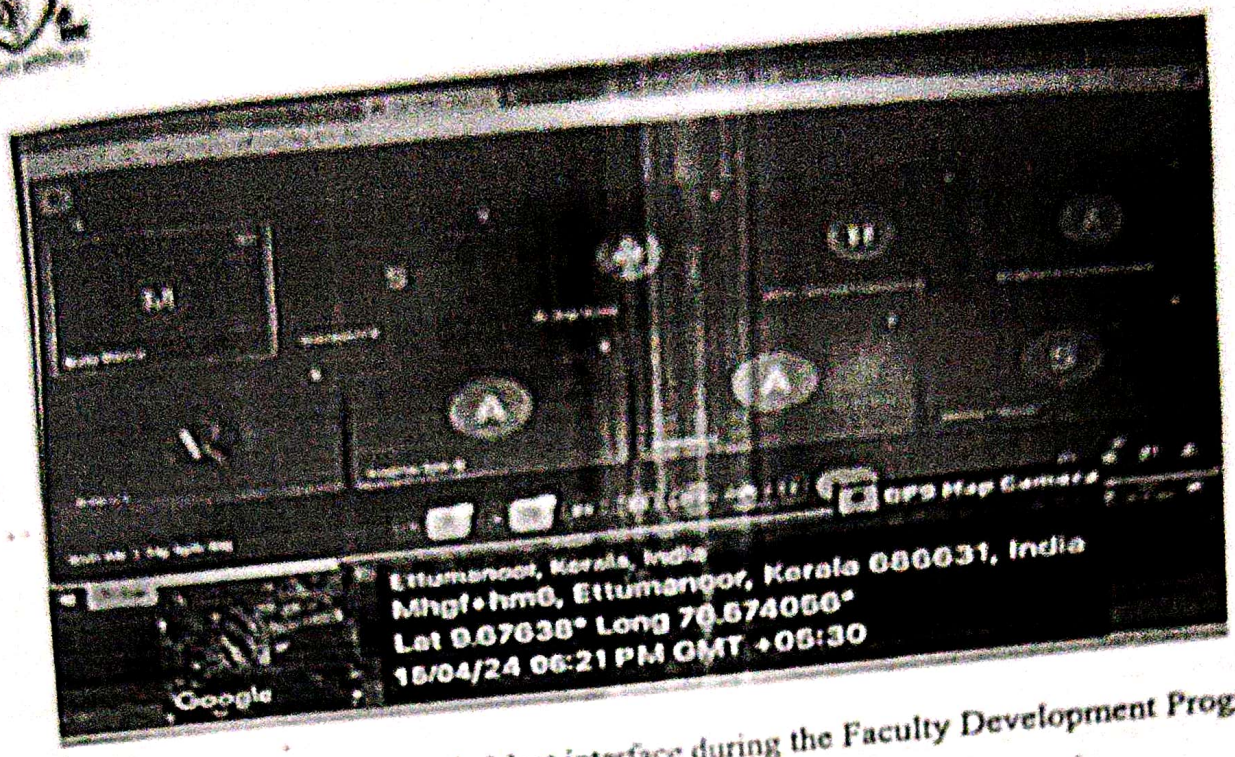

Figures: Screenshot of the Google Meet interface during the Faculty Development Program (FDP) session, highlighting video tiles, chat, and meeting controls.

The 1st day FDP on "Soft Skills for Professional Excellence" was highly successful, with participants gaining valuable insights to Enrich your time and Emerge yourself. Attendees reported increased confidence in applying these skills to improve their interactions with colleagues and students. The interactive workshops and practical exercises were particularly appreciated, helping participants develop actionable strategies for personal and professional growth. Overall, the event contributed to enhancing the participants' ability to foster a positive and productive work environment, thus aligning with the institute's goals of continuous faculty development.

On the second day, the topic was 'stress management and work life management' . This session helps professionals and educators better manage stress and achieve a healthy balance between their personal and professional lives. The program aimed to raise awareness about the causes and effects of stress in the workplace and provide practical tools to manage it effectively. It covered key topics such as understanding stress, techniques for relaxation and mindfulness, and the importance of setting boundaries between work and personal life.The feedback from participants was highly positive, with many expressing appreciation for the practical tools and techniques they could immediately apply in their daily routines.

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Participants also highlighted the relevance of the topic in today's high-pressure work environments.

The last day of the FDP Program topic was Power of human values in leadership.The sessions focused on various aspects of leadership, beginning with a deep dive into the essential human values such as honesty, humility, respect, fairness, and accountability. Participants explored the role these values play in decision-making, conflict resolution, and team dynamics. The facilitator highlighted how leaders with strong values build lasting relationships, motivate their teams, and create a positive organizational culture. Real-world examples and case studies were discussed to show how leaders who prioritize human values often lead organizations through challenges with greater resilience and ethical responsibility.The program was particularly appreciated for its practical approach and the opportunity for self-reflection. Many participants expressed the need for ongoing training in values-based leadership, suggesting that future FDPs should further explore topics such as ethical decision-making, inclusive leadership, and the role of spirituality in leadership. The speaker also thanked all the participants for their active engagement, thoughtful contributions, and enthusiasm throughout the program. It was noted that their commitment to learning and growing as leaders had greatly enriched the experience of the FDP.At the winding up session Dr. Anju Sunny, head of the department expressed sincere gratitude to the distinguished facilitator for sharing their valuable knowledge and insights on the power of human values in leadership. It was acknowledged that the facilitator's time and effort in delivering such a comprehensive and engaging session were deeply appreciated.

Smithy E. Mohan

Name&signature of the In-Charge

(Seal of the College)

HoD/Convenor

DEPARTMENT OF CHEMICAL ENGG
MANGALAM COLLEGE OF ENGINEERING
ETTUMANOOR - 686 631

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Ettumanoor

IQAC
Internal Quality Assurance Cell (IQAC)
Mangalam College of Engineering
Kottayam, India - 686 631

(Seal)

(Seal) ANJU SUNNY
Associate Professor & Head
CHEMICAL ENGINEERING
Mangalam College of Engineering
Kottayam, India - 686 631

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Date: 15/04/2024

Attendance Details of Report 1: Enrich your time and Emerge yourself

S:No	Participants Name	Designation	Branch
1	Dr. Anju Sunny	Associate Professor	CHE
2	Arunekha C.	Assistant Professor	CHE
3	Abdul Muneer M	Assistant Professor	CHE
4	Smrithy E Mohan	Assistant Professor	CHE
5	Jaini thomas	Assistant Professor	CHE
6	Chandralekha J	Lecturer	CSE
7	Anupriya Ajith	Lecturer	CE
8	Sruthimol P R	Lecturer	CE
9	Akhil Mathew Mosess	Assistant Professor	BSH
10	Sithara John	Assistant Professor	BSH
11	Kukkumol Thomas	Assistant Professor	MCA
12	Vidhya Vinayan	Assistant Professor	BSH
13	Aiswarya Pushpakumar	Lab Assistant	BSH
14	Minnu Sabu	Lab Assistant	BSH
15	Anakha R	Lab Assistant	CHE
16	Shankar B	Assistant Professor	CE

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17	Rakhi Sugunan	Assistant Professor	CE

Name&signature of the In-Charge

(Seal of the College)

HoD/Convenor

(Seal)

Dr. ANJU SUNNY
Associate Professor & Head
CHEMICAL ENGINEERING
Mangalam College of Engineering
Kottayam, India - 686 631

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Date: 16/04/2024

Attendance Details of Report 2: Stress management and work life management

S:No	Participants Name	Designation	Branch
1	Dr. Anju Sunny	Associate Professor	CHE
2	Arunekha C	Assistant Professor	CHE
3	Abdul Muneer M	Assistant Professor	CHE
4	Smrithy E Mohan	Assistant Professor	CHE
5	Jaini thomas	Assistant Professor	CHE
6	Chandralekha J	Lecturer	CSE
7	Anupriya Ajith	Lecturer	CE
8	Sruthimol P R	Lecturer	CE
9	Akhil Mathew Mosess	Assistant Professor	BSH
10	Sithara John	Assistant Professor	BSH
11	Kukkumol Thomas	Assistant Professor	MCA
12	Vidhya Vinayan	Assistant Professor	BSH
13	Aiswarya Pushpakumar	Lab Assistant	BSH
14	Minnu Sabu	Lab Assistant	BSH
15	Anakha R	Lab Assistant	CHE
16	Shankar B	Assistant Professor	CE

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17	Rakhi Sugunan	Assistant Professor	CE

Name&signature of the In-Charge

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Date: 17/04/2024

Attendance Details of Report 3: Power of human values in leadership

S:No	Participants Name	Designation	Branch
1	Dr. Anju Sunny	Associate Professor	CHE
2	Arunekha C	Assistant Professor	CHE
3	Abdul Muneer M	Assistant Professor	CHE
4	Smrithy E Mohan	Assistant Professor	CHE
5	Jaini thomas	Assistant Professor	CHE
6	Chandralekha J	Lecturer	CSE
7	Anupriya Ajith	Lecturer	CE
8	Sruthimol P R	Lecturer	CE
9	Akhil Mathew Mosess	Assistant Professor	BSH
10	Sithara John	Assistant Professor	BSH
11	Kukkumol Thomas	Assistant Professor	MCA
12	Vidhya Vinayan	Assistant Professor	BSH
13	Aiswarya Pushpakumar	Lab Assistant	BSH
14	Minnu Sabu	Lab Assistant	BSH
15	Anakha R	Lab Assistant	CHE
16	Shankar B	Assistant Professor	CE

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17	Rakhi Sugunan	Assistant Professor	CE

Name&signature of the In-Charge

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Feedback of the Participant of Event 1: Enrich your time and Emerge yourself

Participant Name: Smrithy E Mohan

Designation:Assistant Professor

Affiliation/Address: Mangalam college of Engineering Ettumanoor

Contact Number: 9746837300

Email: Smrithy.mohan@mangalam.in

Feedback of Attending the Event 1: Enrich your time and Emerge yourself

Response: I would like to express my appreciation for the enriching experience provided by this program. The session on time management, self improvement and personal growth are highly insightful and relevant to the daily challenges we face as educators.The interactive session with real life scenarios and hands-on activities was particularly engaging. It allowed us to apply the principles discussed directly to our routines, reinforcing their effectiveness.

Approval Rating (Pls Tick)

1	2	3	4	5	6	7	8	9	10✓

Name&signature of the Participant Smrithy E Mohan

Smrithy E. Mohan

Name&signature of the In-Charge

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Feedback of the Participant of Event 1: Enrich your time and Emerge yourself

Participant Name: Arunekha C

Designation:Assistant Professor

Affiliation/Address: Mangalam college of Engineering Ettumanoor

Contact Number: 7025331421

Email: arnekha.c@mangalam.in

Feedback of Attending the Event 1: Enrich your time and Emerge yourself

Response: The topics covered in the FDP were highly relevant to our personal and professional development. The session on time management techniques was particularly useful, as it provided practical tools to improve productivity. The focus on self-growth and time optimization was very enlightening. It encouraged me to rethink my daily routines and how I can better utilize my time to achieve both personal and professional goals.

Approval Rating (Pls Tick)

1	2	3	4	5	6	7	8	9	10✓

Name&signature of the Participant : Arunekha C

Name&signature of the In-Charge

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Feedback of the Participant of Event 1: Enrich your time and Emerge yourself

Participant Name: Chandralekha J

Designation: Assistant Professor

Affiliation/Address: Mangalam college of Engineering Ettumanoor

Contact Number: 9061185999

Email: chandraleka.j@mangalam.in

Feedback of Attending the Event 1: Enrich your time and Emerge yourself

Response: This FDP was a great learning experience! I feel more equipped to manage my time effectively and to work on my personal growth." "The program not only enriched my understanding of time management but also helped me in enhancing my emotional intelligence and resilience.

Approval Rating (Pls Tick)

1	2	3	4	5	6	7	8	9	10✓

Name&signature of the Participant : Chandralekha J

Name&signature of the In-Charge

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Feedback of the Participant of Event 2: Stress management and work life management

Participant Name: Jaini Thomas

Designation: Assistant Professor

Affiliation/Address: MGM College of Engineering, Valanchery

Contact Number: 8592804121

Email: jaini.ch@mgmcet.in

Feedback of Attending the Event 2: Stress management and work life management

Response: This program was extremely helpful and relevant to my current situation. I now feel better equipped to manage stress and prioritize my well-being. The overall experience was enriching. I learned practical techniques that I can immediately implement in my work routine.

Approval Rating (Pls Tick)

1	2	3	4	5	6	7	8	9	10✓

Name&signature of the Participant : Jaini Thomas

Smrithy E. Mohan

Name&signature of the In-Charge

Smrithy E Mohan

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Feedback of the Participant of Event 2: Stress management and work life management

Participant Name: Akhil Mathew Mosess

Designation: Assistant Professor

Affiliation/Address: Mangalam college of Engineering Ettumanoor

Contact Number:

Email: akhil.mathew@mangalam.in

Feedback of Attending the Event 2: Stress management and work life management

Response: The facilitators were knowledgeable and conveyed the content in an engaging and relatable manner. The use of real-life scenarios made the sessions more applicable. The pace of the sessions was just right, and the presenters encouraged open discussion, which helped us better understand the practical aspects of stress management.

Approval Rating (Pls Tick)

1	2	3	4	5	6	7	8	9	10✓

Name&signature of the Participant : Akhil Mathew Mosess

Name&signature of the In-Charge

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Feedback of the Participant of Event 2: Stress management and work life management

Participant Name: Arunekha C

Designation: Assistant Professor

Affiliation/Address: Mangalam college of Engineering Ettumanoor

Contact Number: 7025331421

Email:arunekha.c@mangalam.in

Feedback of Attending the Event 2: Stress management and work life management

Response: I am grateful for the opportunity to participate in this program, which addressed such critical aspects of our professional and personal lives. The session on managing stress and achieving a balanced work-life dynamic were incredibly valuable, especially given the unique challenges educators face. Thank you for the facilitators and organizers for delivering such an insightful and impactful program.

Approval Rating (Pls Tick)

1	2	3	4	5	6	7	8	9	10

Name&signature of the Participant Arunekha C

Smitha E. Mohan

Name&signature of the In-Charge

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Feedback of the Participant of Event 3: Power of human values in leadership

Participant Name: Jaini Thomas

Designation: Assistant Professor

Affiliation/Address:MGM college of engineering Valanchery

Contact Number:

Email: jaini.ch@mgmcet.in

Feedback of Attending the Event 3: Power of human values in leadership

Response: The content was incredibly relevant to my role as a leader. The focus on human values provided practical insights into how these values can strengthen leadership skills and foster a positive work environment. The idea of values-based leadership resonated deeply with me. It was enlightening to realize how fundamental values like integrity, empathy, and transparency are not just 'nice-to-have' but critical for effective leadership.

Approval Rating (Pls Tick)

1	2	3	4	5	6	7	8	9	10✓

Name&signature of the Participant: Jaini Thomas

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Name&signature of the In-Charge

Smrithy E Mohan

HoD/Convenor

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Feedback of the Participant of Event 3: Power of human values in leadership

Participant Name: Shankar B

Designation: Assistant Professor

Affiliation/Address: Mangalam college of Engineering. Ettumanoor

Contact Number:

Email: shankar.b@mangalam.in

Feedback of Attending the Event 3: Power of human values in leadership

Response: I would like to take a moment to share my feedback on the recent faculty development program titled "The Power of Human Values in Leadership".This emphasis on human values in leadership is increasingly relevant in today's educational landscape. It provided us with a fresh perspective on how to effectively lead with empathy, integrity, and inclusivity, which is essential in fostering a supportive academic environment.The facilitators' expertise and passion for the subject were evident throughout the sessions. Personal anecdotes from their leadership experiences helped to illustrate key points and kept the audience engaged.

Approval Rating (Pls Tick)

1	2	3	4	5	6	7	8	9	10✓

Name&signature of the Participant: Shankar B

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Name&signature of the In-Charge

Smrithy E Mohan

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Feedback of the Participant of Event 3: Power of human values in leadership

Participant Name: Abdul Muneer M

Designation: Assistant Professor

Affiliation/Address: Mangalam college of Engineering Ettumanoor

Contact Number:

Email: abdul.muneer@mangalam.in

Feedback of Attending the Event 3: Power of human values in leadership

Response: The facilitators did an excellent job of explaining complex leadership theories and tied them effectively to core human values. Their personal stories and examples made the content relatable. The sessions were engaging and interactive. I especially appreciated the mix of lectures, case studies, and group discussions. Sometimes the theoretical aspects felt a little dense. Perhaps simplifying some concepts or adding more visual aids could help in making these ideas clearer. I would have liked more real-world examples from different industries, especially higher education, to better understand how values-based leadership plays out in our day-to-day challenges.

Approval Rating (Pls Tick)

1	2	3	4	5	6	7	8✓	9	10

Name&signature of the Participant: Abdul Muneer

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Name&signature of the In-Charge

Smrithy E Mohan

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28 /06/ 2024

REPORT ON

Mathematical Advances in Electrical Engineering: Challenges and Exploration

Description of the events

The Faculty Development Program (FDP) on "Mathematical Advances in Electrical Engineering: Challenges and Exploration" was successfully conducted at Mangalam College of Engineering, Ettumanoor. The program aimed to provide educators and researchers in the field of electrical engineering with knowledge and skill, focusing on the latest mathematical advancements and their applications. The FDP is organized by Department of Electrical and Electronics Engineering, Mangalam College of Engineering from 18-06-2024 to 22-06-2024 through online for 5 Days.

Program

The FDP spanned Five days and featured a diverse range of sessions, including keynote presentations, panel discussions, lectures, hands-on sessions, case studies and interactive discussions led by experts from academia and industry. The topics covered during the program included:

1. Optimization in Machine Learning (Day 1)
2. State Merger in Power System (Day 2)
3. Mathematical Modeling of Grid Connected Wind Generator (Day 3)
4. Enhancement of Power System Reliability by Artificial Intelligence and Machine Learning (Day 4)
5. Mathematical Modeling in Action: Exploring Real-Life Scenarios (Day 5)

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The Resource persons for the event are

Prof. Varun Soman(Ph.D) *(Assistant Professor, CET, Trivandrum) taken "Optimization in Machine Learning" on 18/06/2024 and "Mathematical Modeling in Action: Exploring Real-Life Scenarios" on 22/06/2024 at 7 pm through Gmeet.*

Dr. P C Thomas *(Professor, Amal Jyothi College of Engineering, Kanjirapally) taken "State Merger in Power System" on 19/06/2024 at 7 pm through Gmeet.*

Ms. Preethi Sebastian *(Associate Professor, Department of EEE, Mangalam College of Engineering, Kottayam) taken "Mathematical Modeling of Grid Connected Wind Generator" on 20/06/2024 at 7 pm through Gmeet.*

Prof. John Jacob *(Assistant Professor, Department of EEE, Muthoot Institute of Science and Technology) taken "Enhancement of Power System Reliability by Artificial Intelligence and Machine Learning" on 21/06/2024 at 7 pm through Gmeet.*

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Content (Slides Included in next page onwards)

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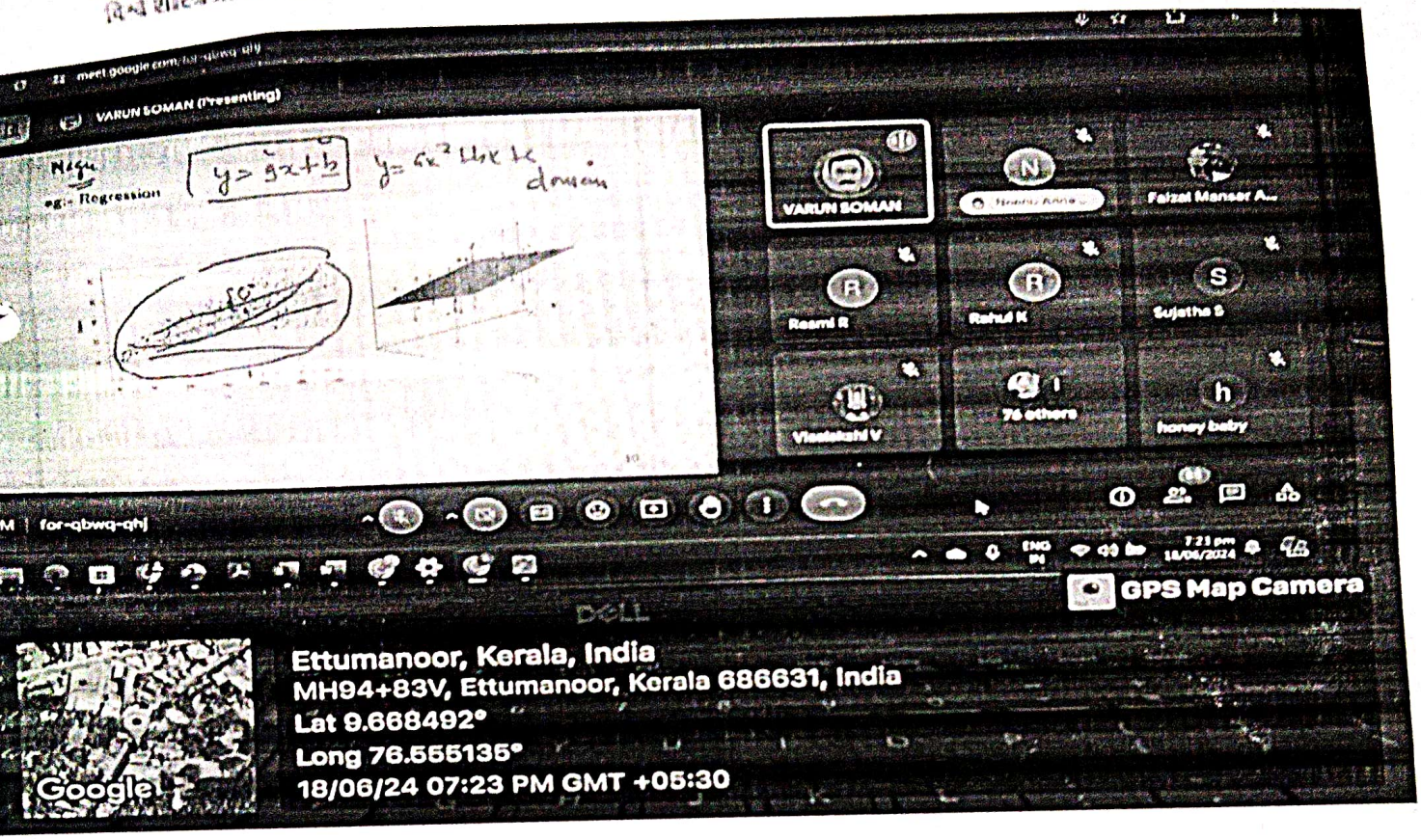



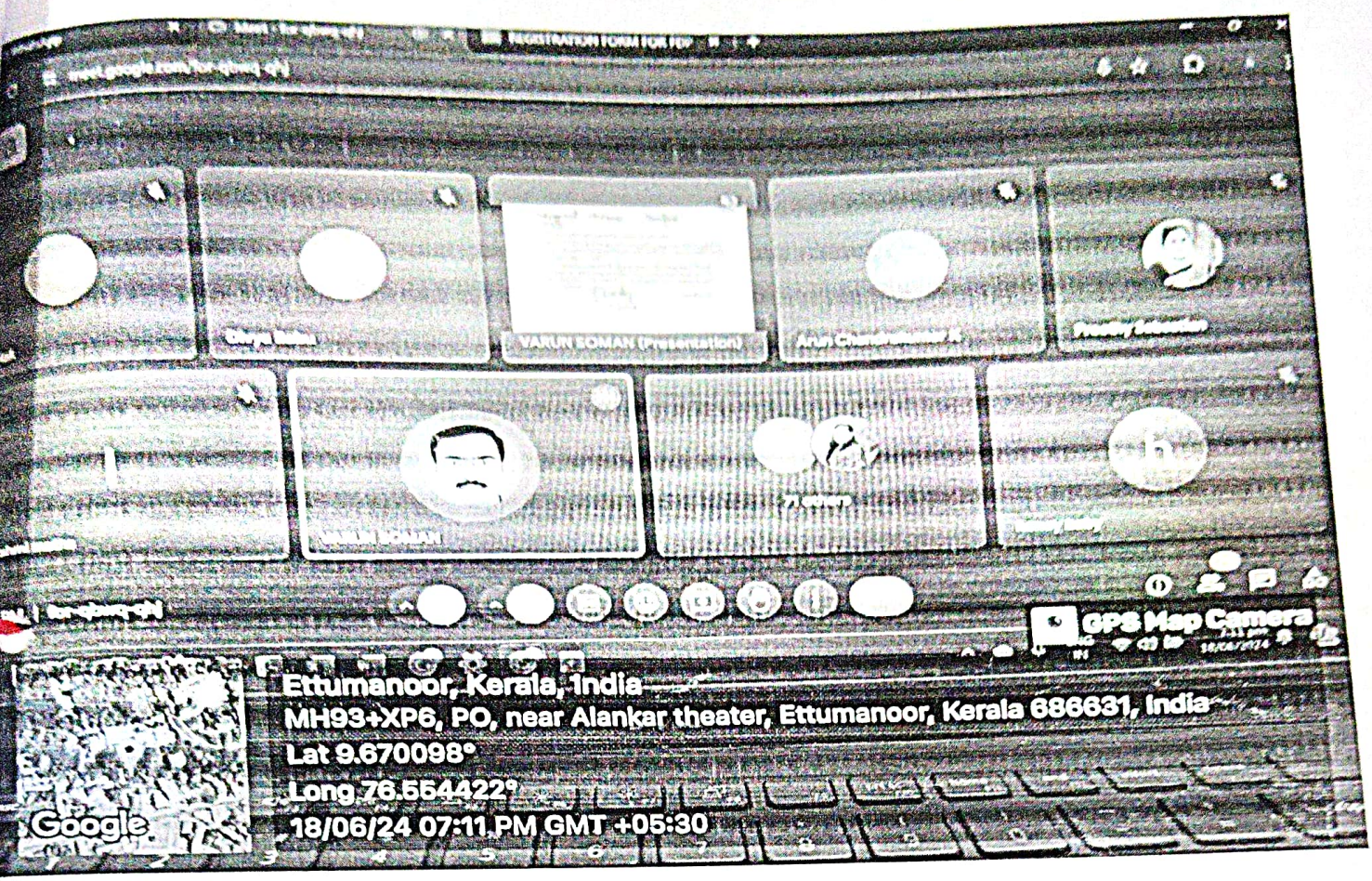
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Lat 9.670098°
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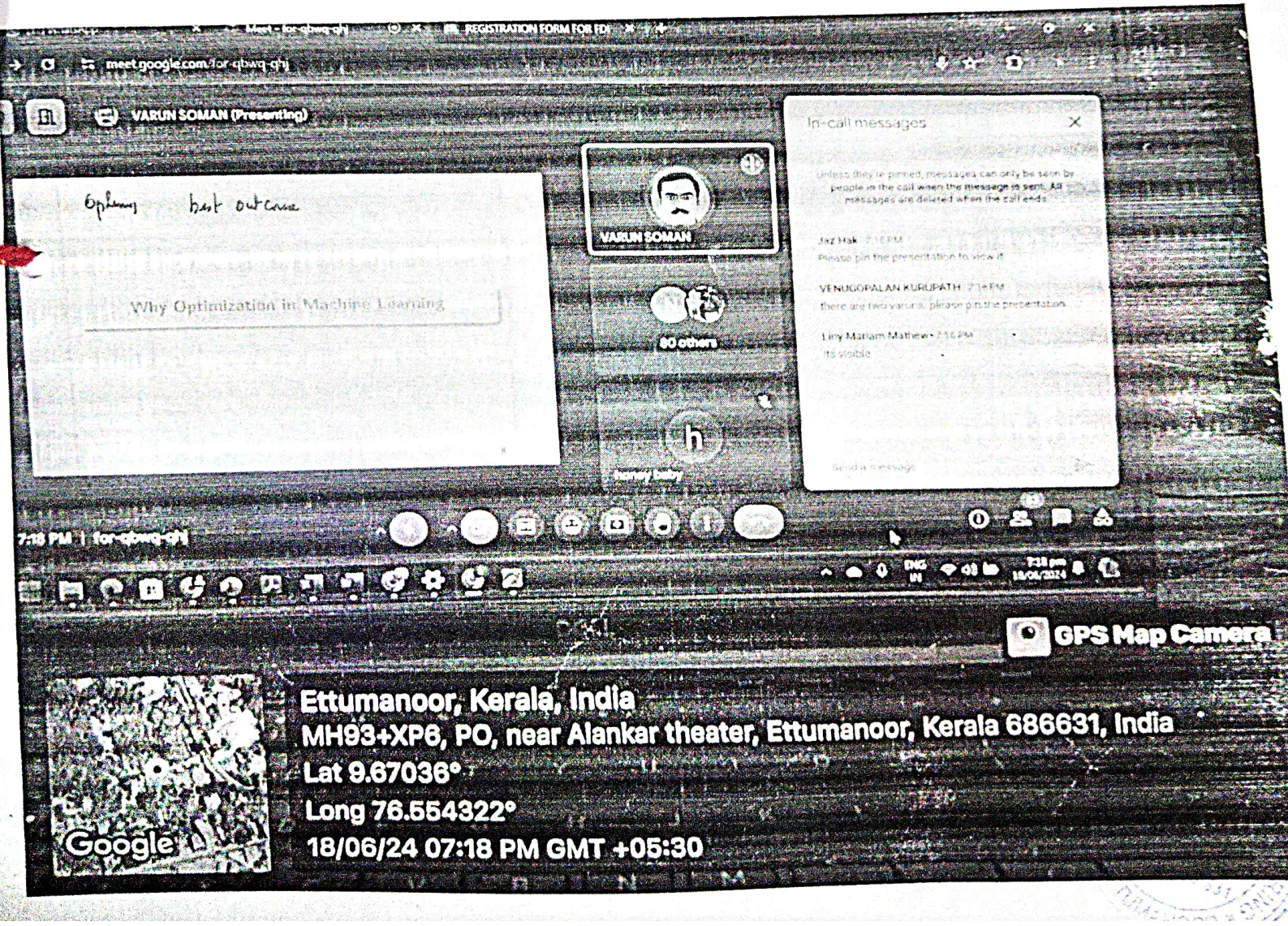
VARUN SOMAN (Presenting)
Why Optimization in Machine Learning
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FDP on Mathematical Advances in Electrical Engineering- Challenges and Exploration

Attendance

Sl.. no	Name	Designation	Signature
1	Ms. Lekshmi S	HOD	Present
2	Mr. Anilkumar M N	Associate Professor	Present
3	Ms. Biji Mathew	Associate Professor	Present
4	Ms. Ashu Prakash	Assistant Professor	Present
5	Ms. Josna Thomas	Assistant Professor	Present
6	Ms. Nimisha K Sabu	Assistant Professor	Present
7	Ms. Ashamol Cherian	Assistant Professor	Present
8	Ms. Haripriya Haridas	Assistant Professor	Present
9	Ms. Priya L	Assistant Professor	Present
10	Ms. Aryasree Das	Assistant Professor	Present

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	Email Address	Salutation	Full Name	Mobile Number	Designation	Name of the Institution	Please upload P
6-17-2024 16 25 19	yalisahasi ee@marian ac in	Mrs	Yamia Basil	9447952705	Asst prof	Marian Engineering College, Trivandrum	https://drive.goo
6-18-2024 8 18 01	aiswarya chandran@mangalam in	Mrs	Aiswarya Chandran	8129477561	Assistant professor	Mangalam College of Engineering	https://drive.goo
6-18-2024 13 25 34	ajithjs@mgits ac in	Mr	Ajith s j	82898 99414	Asst professor	MITS	https://drive.goo
6-18-2024 11 32 22	ajithvijayan@mgits ac in	Mr	Ajith Vijayan	9447343903	Assistant Professor	Muthoot Institute of Technology and Science	https://drive.goo
6-17-2024 16 22 49	andy sara@saintgits org	Mrs	ANDY SARA VARGHESE	9496350394	Assistant professor	Saintgits College of Engineering	https://drive.goo
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6-18-2024 10 37 41	anjuj2010@gmail com	Mrs	Anjali J Nair	9496868673	Assistant professor	Viet college of Engineering	https://drive.goo
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6-18-2024 19 05 10	anupama m@mangalam in	Ms	Anupama M	8547684513	Assistant Professor	Mangalam College of Engineering	https://drive.goo
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6-16-2024 18 03 51	devikasabu1502@gmail com	Ms	Devika Sabu	8921846459	Lecturer	Mangalam polytechnic college	https://drive.goo
6-14-2024 15 11 11	dinupaul@mec ac in	Mrs	Dinu Paul	9633565429	Assistant Professor	Model Engineering College Thrikkakara	https://drive.goo
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6-15-2024 22 32 06	divya babu@mangalam in	Mrs	Divya Babu	7356018085	Lecturer ,EEE	Mangalam Polytechnic College	https://drive.goo
6-18-2024 11 26 34	ajayakumarcb@gmail com	Dr	Dr C B Ajayakumar	9447410302	Assistant Professor in Mathem	College of Engineering Kidangoor	https://drive.goo
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6-14-2024 16 28 41	faizalmansaralam@gmail com	Mr	Faizal Mansar Alam	00966560763	Electrical Engineer	Saudi Electricity Company	https://drive.goo
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6-17-2024 22 30 44	iswarya boggaverapu2020@gmail c	Mrs	Mahidhara Iswarya	9740544466	Assistant professor	Pragati Engineering College	https://drive.goo
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6-20-2024 8 47 28	mith3121@gmail com	Mr	Mithun M S	8086886138	Research Scholar & Asst Prof	Arunachala College of Engineering, Manavilai	https://drive.goo
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6-17-2024 10 10 46	rtzmesata@gmail com	Dr	Satavisha Dey	8777257036	Associate professor	Institute of Engineering and Management, Salt Lake	https://drive.goo
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6-18-2024 10 33 06	sheena_s@cet ac in	Mrs	SHEENA S	9995904567	Assistant Professor	College of Engineering Trivandrum, Thiruvananthapuram	https://drive.goo
6-14-2024 20 59 08	shemimariyad@gmail com	Mrs	Shemina S	9946022647	AP	MES INSTITUTE OF TECHNOLOGY AND MANAGEMENT, KO	https://drive.goo
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6-18-2024 11 18 01	swethar nair2011@gmail com	Mrs	SWETHA R NAIR	7560805113	ASSISTANT PROFESSOR (A	NSS COLLEGE OF ENGINEERING PALAKKAD	https://drive.goo
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6-17-2024 22 03 01	priyadarsani1229@gmail com	Mrs	V I Priyadarsani	8919761836	Assistant professor of Mathem	Pragati Engineering College (Autonomous), Surampalem	https://drive.goo
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7-3-2024 13 53 07	shanooga@sicetpala ac in	Mrs	Shanooga Chandran	9446993249	Asst. Professor	St. Joseph's College of Engineering & Technology, Palai	https://drive.goo

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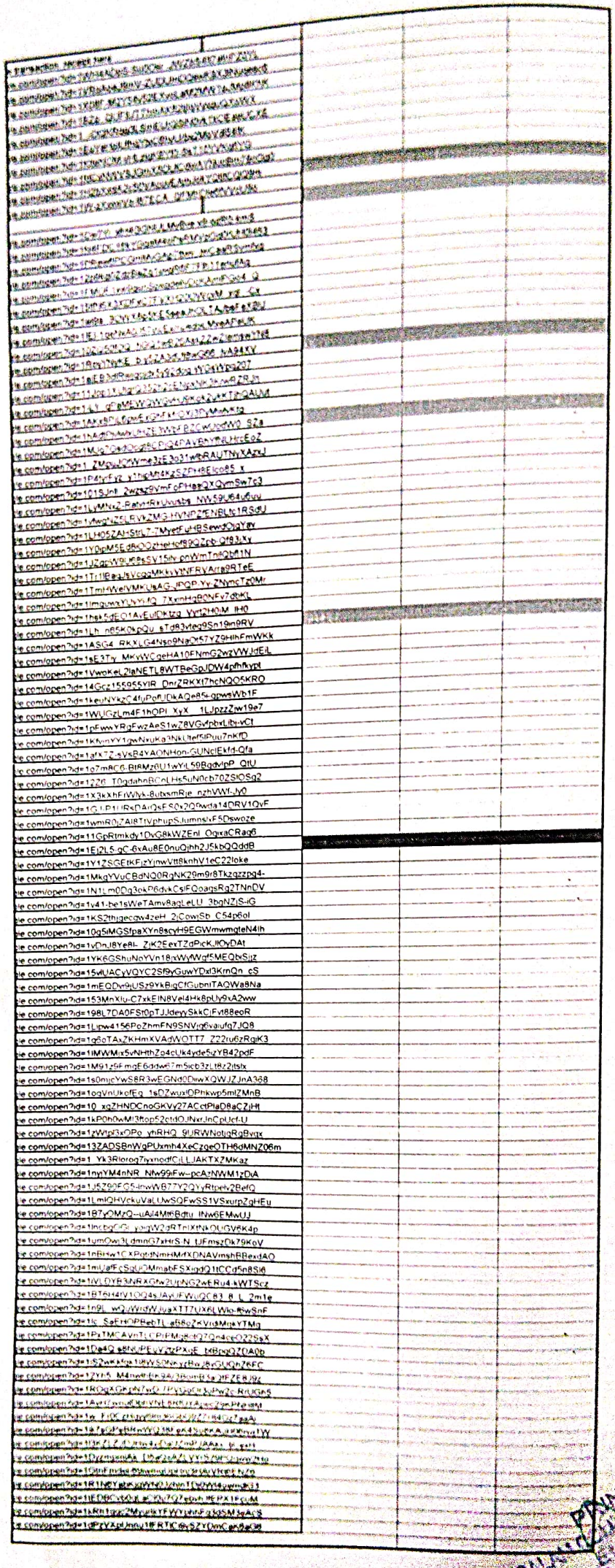

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Affiliated to APJ Abdul Kalam Technological University
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BM/MBA/S-125

02/05/24

NOTICE

The Department of Management Studies, Mangalam College of Engineering will be conducting an "International Conference on Ethical and Green Living: A New Paradigm of Green Management - ICEGM '24" on 31/05/2024 and 01/06/2024 at the Digital Theatre MLMCE.

Copy to:

Principal's Office

Vice principal

All Department HOD'S

Tomy Mathew M.Com., PhD.
Professor and Head
Department of Management Studies
Mangalam College of Engg. Ettumanoor

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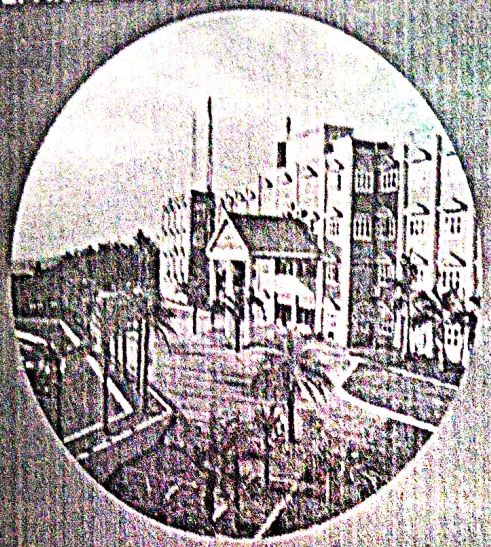
DEPARTMENT OF MANAGEMENT STUDIES



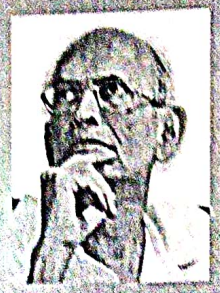
International Conference on

ETHICAL AND GREEN LIVING : A NEW PARADIGM OF GREEN MANAGEMENT - ICEGM '24

May 31st and June 1st 2024

Ethical and green living isn't just a trend; it's a fundamental shift in mindset towards sustainability and responsibility. Embracing this new paradigm means integrating ethical considerations into every aspect of life, from consumer choices to business practices. Green management, in particular, emphasizes reducing environmental impact and promoting social responsibility within organizations. It's about fostering a culture of accountability and innovation to create a better world for future generations.

Inauguration:Dr. Madav [illegible]



Dr. Madhav Dhananjaya Gadgil is an Indian ecologist, academic writer, columnist and the founder of the Centre for Ecological Sciences, a research forum under the aegis of the Indian Institute of Science.He is a former member of the Scientific Advisory Council to the Prime Minister of India and the Head of the Western Ghats Ecology Expert Panel (WGEEP) of 2010, popularly known as the Gadgil Commission. The Government of India awarded him the fourth highest civilian award of the Padma Shri in 1981 and followed it up with the third highest award of the Padma Bhushan in 2006.

Keynote Speakers



Paul Kronenberg,
Director Kanthari &
Braille Without
borders, Nobel Prize
nominee (2005)



Dr.Cyriac Mathew
Senior Lecturer
University of
Newcastle, Australia



Dr. Reena Alias
Faculty member
University Canada West



Mr. Nikilesh H Das
Assistant Manager - Group
Medical Director's Office and
Medical HR,
Amrita Hospitals Kochi and
Faridabad
Alumnus Mangalam
Management Studies

The Department of Management Studies at Mangalam College of Engineering, Ettumanoor, is committed to providing comprehensive education in management principles and practices. With a focus on academic excellence, practical learning, and industry relevance, the department aims to groom future leaders equipped with the skills and ethics necessary for success in the dynamic business world. Through innovative programs, experienced faculty, and industry collaborations, it strives to nurture talent and foster holistic development among students, preparing them to contribute positively to society and the global economy. Mangalam College of Engineering, Ettumanoor is the parenting institution which is Accredited with 'A' grade by UGC- NAAC as well as NBA

www.mangalam.ac.in

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KEY AREAS

- Green Management
- Ethical business practices
- Green marketing
- Zero emission Mechanism
- Paper less business
- Sustainable Management
- Renewable management
- Cost effective benefits of Green Management
- Eco friendly business
- Social Dimensions of sustainable Finance
- Green Taxation
- Sustainable Financial Performance
- Innovative economic strategies for Financial inclusion
- Corporate energy investment and interest rate risks
- Online engagement for sustainable Energy Projects

Call for papers

To be published in Scopus indexed journal

Important Dates
Last date for abstract submission- 13th May 2024
Full paper submission- 23rd May 2024

Submission mail id : mba@mangalam.in

Registration

Category	Early Bird Registration INR	Late Spot INR
Students	250	300
Research scholars	500	550
Academicians	1000	1100
Industrialists	1500	1600

Guidelines for submission of Manual scripts

1. Paper title Author particulars- Name in one line and affiliation with Email id and Phone no.
2. Abstract should not exceed 300 words.
3. Full paper should not exceed 2500 words.
4. Font name "Times New Roman"
5. Font size-"12"
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7. The abstract and full paper should be sent to the following Email id - mba@mangalam.in

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Associate Professor
[illegible]

Ms. Rinta George,
Assistant Professor
[illegible]

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MHHF+2XR, College Road, Mangalam Hills, Vettimukal, P.O. Ettumanoor, Kerala 686631

Report on International Conference on Ethical and Green Living: A New Paradigm of Green Management - ICEGM '24

Date: May 31st and June 1st of 2024

Venue: Digital Theatre , Mangalam College of Engineering

Organizers: Department of Management Studies

The International Conference on Ethical and Social Living convened to address contemporary issues and challenges related to ethical behavior and social responsibility in various facets of life. The conference aimed to foster dialogue among scholars, practitioners, policymakers, and community leaders to explore solutions and promote best practices in ethical living. The conference was inaugurated by **Dr. Madav Gadgill,** an Indian ecologist, academic, writer, columnist and the founder of the Centre for Ecological Sciences,a research forum under the aegis of the Indian Institute of Science. He is a former member of the Scientific Advisory Council to the Prime Minister of India and the Head of the Western Ghats Ecology Expert Panel (WGEEP) of 2010, popularly known as the Gadgil Commission.

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Key Themes and Discussions:

Discussions centered around corporate social responsibility, ethical leadership, transparency, and accountability in business and government sectors. Speakers emphasized the importance of ethical decision-making in enhancing organizational reputation and fostering sustainable development. Sessions also focused on promoting equity, diversity, and inclusion in societies globally. Highlighted the role of education, legislation, and grassroots activism in addressing systemic inequalities and advancing human rights agendas. Participants explored the ethical implications of environmental degradation and climate change. Debates centered on sustainable practices, conservation efforts, and the ethical responsibilities of individuals, corporations, and governments towards preserving the environment for

future generations. Discussions examined ethical dilemmas posed by emerging technologies, including AI, biotechnology, and digital surveillance. Participants deliberated on privacy concerns, data ethics, algorithmic biases, and the need for ethical frameworks to guide technological advancements responsibly.

Keynote Speakers: 1. Sir Paul Kronenberg, Director Kanthari & Braille Without borders, Nobel Prize nominee (2005)

Profile: Co-Founder of Kanthari-Set up and ran Braille Without Borders in Tibet, including a preparatory school for the blind, a vocational training farm, a Braille Printing Press and a pro-active self-integration program – 19 years. With a technical background graduating in mechanical engineering, computer science, commercial technology and data-communication system science, I focus on the running and operational management of kanthari. Worked 19 years in Tibet where together with my partner, Sabriye Tenberken, i set up the first school for the blind. Since 2009, we provide skills and tool for social visionaries from around the world who come from the margins of society, so they can start and run their own organisations. Since 2009, co-founded kanthari, built the campus, and ran the course. In the past 11 years we trained 226 change makers from 48 countries, this has resulted in 130+ Organisations positively impacting the lives of thousand who are positioned on the margins of society. more details at http://www.kanthari.org

Awards/recognition:

- Knighted by the Royal Dutch Queen of the Netherlands.
- Mother Teresa Award.
- Maja Koene Peace Award.
- Albert Schweizer Award.

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2. Dr. Cyriac Mathew Senior Lecturer University of Newcastle, Australia

Profile: Dr. Cyriac Mathew is a Senior Consultant Psychiatrist with more than 30 years of clinical experience. He was awarded MD in Psychiatry by Dr. MGR Medical University, India, in 1997, and received the Fellowship of Royal Australian and New Zealand College of Psychiatrists, in 2007. Currently, he is the Clinical Director of Newcastle Mental Health Service and Conjoint Senior Lecturer, University of Newcastle. He is actively involved in the training and supervision of Undergraduate Medical Students, Post-graduate Trainees in Psychiatry in addition to the teaching of Allied Health Staffs.

3. Dr. Reena Alias , Faculty member University Canada West

Profile:Dr. Reena Alias Highly passionate and motivating educator in Business Management with 15 years of experience in enriching graduates and postgraduate

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learners. A dedicated, self-driven professional with 3 years of industrial and administrative experience in coordinating national and international projects.

4. Mr. Nikilesh H Das Assistant Manager - Group Medical Director's Office and Medical HR. Amrita Hospitals Kochi and Faridabad Alumnus Mangalam Management Studies

Outcome and Recommendations:

The conference concluded with actionable recommendations aimed at promoting ethical behavior and social responsibility across various sectors. Key recommendations included:

- Strengthening ethical guidelines and codes of conduct in organizations and institutions.
- Advocating for policies that promote social justice, equality, and environmental sustainability.
- Enhancing educational programs and public awareness campaigns on ethical living and responsible citizenship.

Conclusion:

The International Conference on Ethical and Social Living provided a platform for meaningful exchanges and collaboration among stakeholders committed to advancing ethical standards and promoting social well-being globally. Participants left with renewed commitment and actionable insights to contribute positively to their respective fields and communities.

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Snapshots of the Conference



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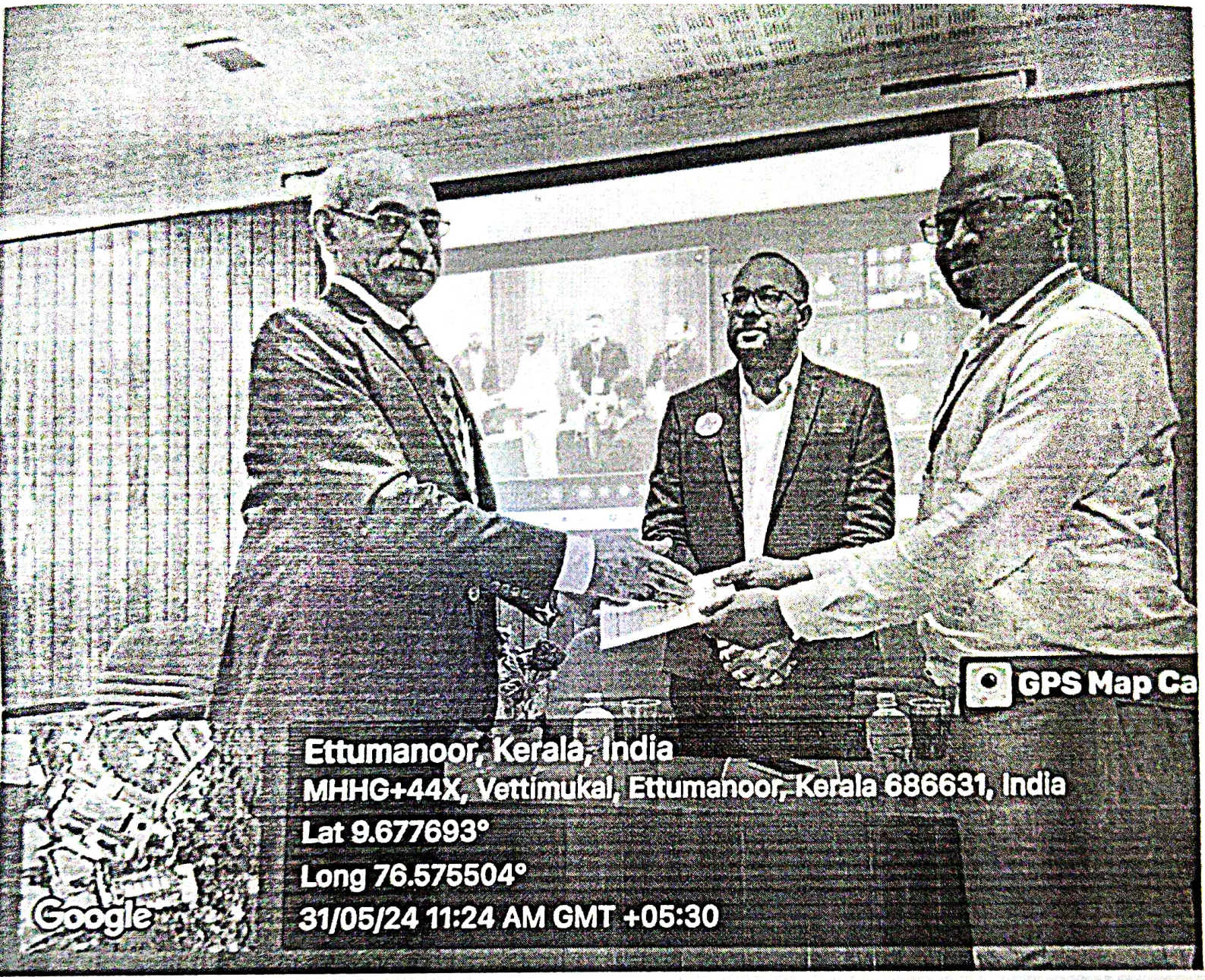

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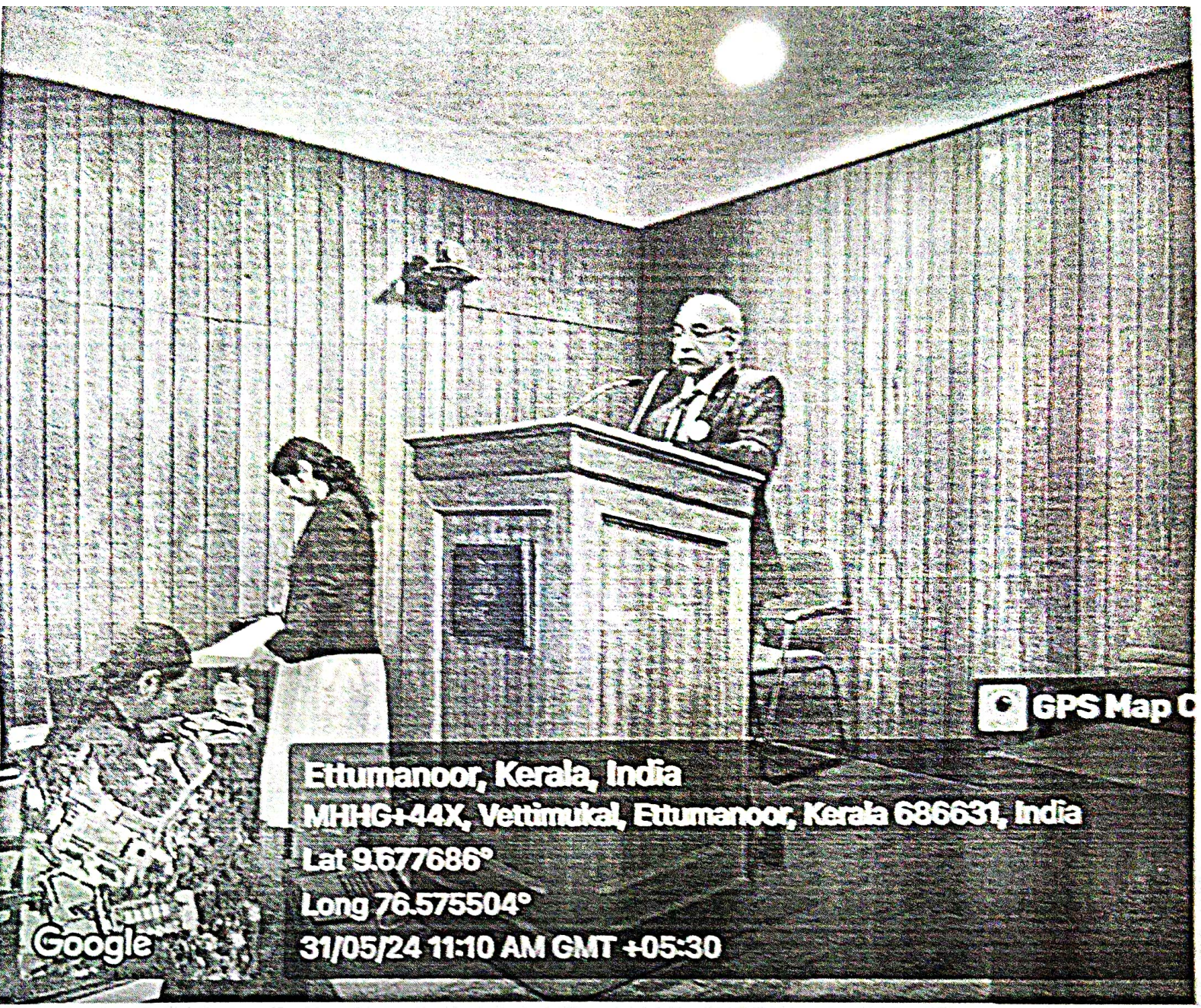

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ICGEM 2024 - Feedback Form

Hello everyone,

Thank you so much for being a part of ICEGM'24.
Please fill and submit this feedback form.

Thanks & Regards
Mangalam College of Engineering

amala.james@mangalam.in Switch account

* Indicates required question

Email *

Your email

Your name

Your answer

How would you rate International Conference ICGEM 2024

- Excellent
- Good
- Average
- Fair
- Poor

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10:04

How would you rate the quality of resource persons?

- ○ Excellent
- ○ Good
- ○ Average
- ○ Fair
- ○ Poor

If you have any suggestions, kindly share:

Your answer

A copy of your responses will be emailed to the address you provided.

Page 1 of 1

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[illegible]	Email Address	Your name	How would you rate International Conference ICCE	How would you rate the quality of resource persons	If you have any suggestions, kindly share
[illegible]	[illegible]@gmail.c	Sonu S	Good	Good	
[illegible]	[illegible]@gmail	Merin Susan Joseph	Good	Excellent	
[illegible]	[illegible]@	Vidya Vijayan	Good	Good	No
[illegible]	[illegible]@	Sona Thomas	Excellent	Excellent	No Suggestions
[illegible]	[illegible]@gmail.c	Sooraj sajith	Good	Good	
[illegible]	[illegible]@gmail.com	Yadhukrishna B	Excellent	Good	Nothing
[illegible]	[illegible]@gmail	Bibin Benny	Good	Good	No suggestions
[illegible]	[illegible]@gmail.com	Sreelakshmi Anil	Average	Good	Nop

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2. How would you rate International Conference ICGEM 2024

RESULTS

Options	%	Count
Excellent	25.00	2
Good	62.50	5
Average	12.50	1
Fair	0.00	0
Poor	0.00	0

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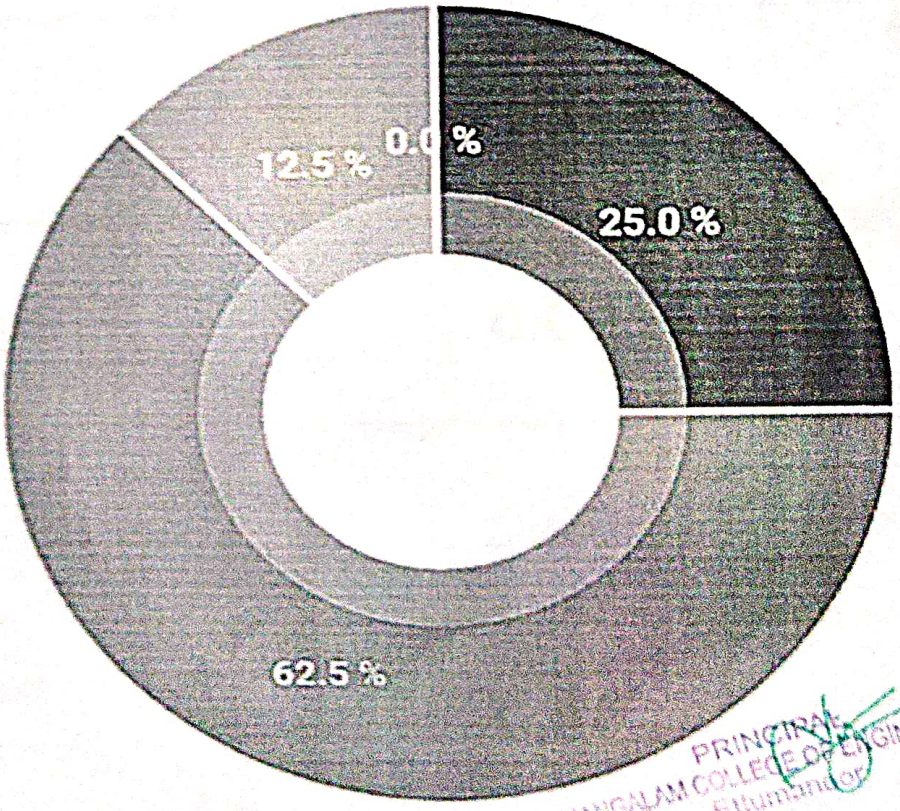
2. How would you rate International Conference ICGEM 2024

PIE CHART

- Excellent - 2
- Good - 5
- Average - 1
- Fair - 0
- Poor - 0



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3. How would you rate the quality of resource persons?

RESULTS

Options	%	Count
Excellent	25.00	2
Good	75.00	6
Average	0.00	0
Fair	0.00	0
Poor	0.00	0

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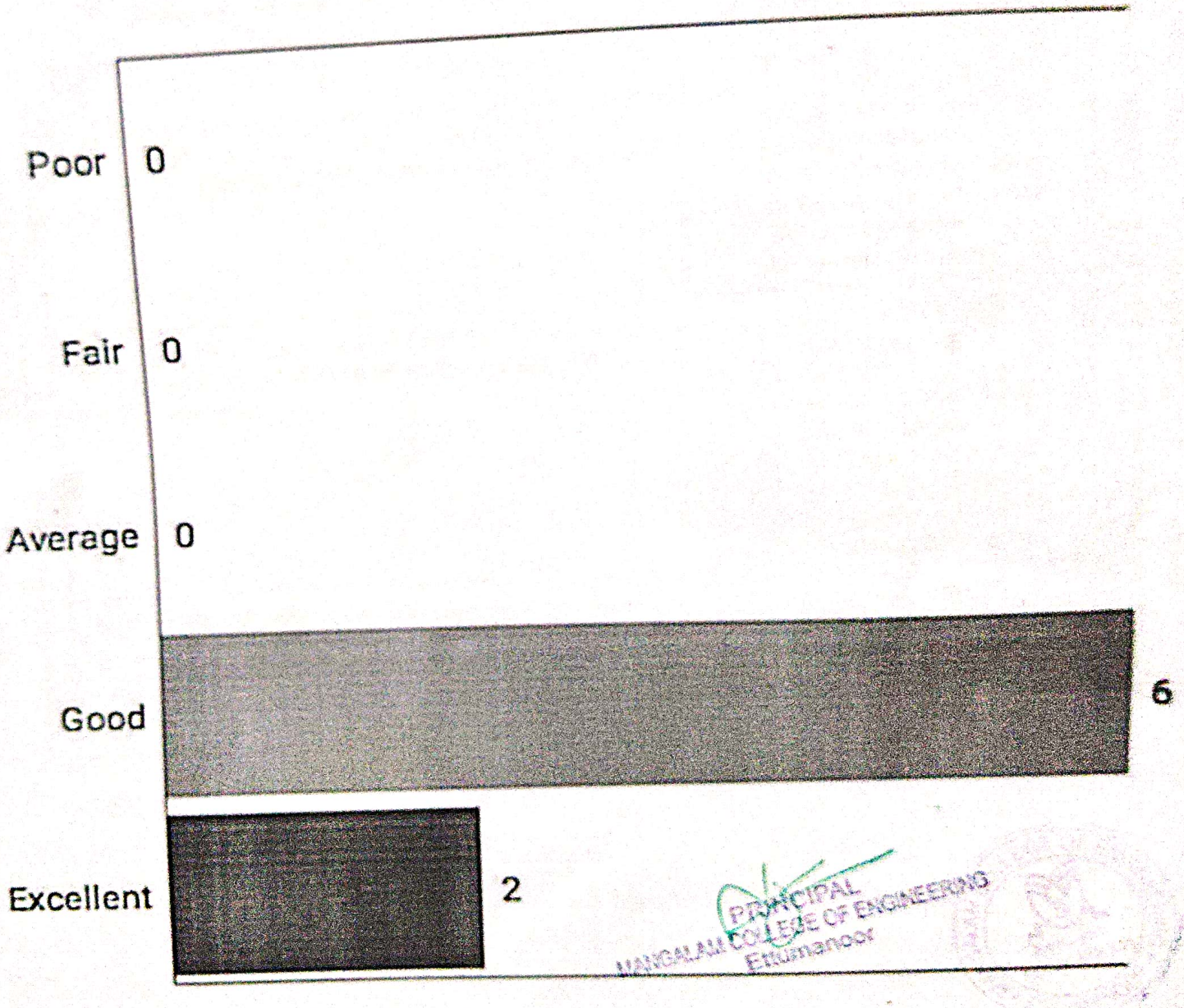
3. How would you rate the quality of resource persons?

BAR CHART



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	CONFERENCE PROCEEDINGS	
1	The Kerala Hustle: A Look at Self-Employment in Gods Own Country	1 Dr Lekha Kasmir, Assistant Professor, Department of Management Studies, Baselios Mathews II College of Engineering, APJ Abdul Kalam Technological University, Kerala. Dr P.S.Devakumar, Retd Professor, University of Kerala,
2	Pharmaceutical Supply Chain and Risk Management Under Sustainability Goals	G. Gopika, Sabu K. CET School of Management, - College of Engineering Trivandrum
3	GREENING THE FUTURE: THE EFFECT ON CONSUMER ADOPTION OF GREEN TECHNOLOGY	Ms. Sijimol Josshua , PhD Research Scholar School of Management & Business Studies, Mahatma Gandhi University, Kottayam,
4	A comprehensive assessment of factors influencing COVID-19 vaccine supply chain management	Anshida Das, CET School of Management, College of Engineering Trivandrum, A P J Abdul Kalam Technological University Abhijith R., CET School of Management, College of Engineering Trivandrum,
5	The Impact of Augmented Reality Makeup Try-On Technology on Consumer Buying Behaviour in The Cosmetics Industry	Akshara K M, Sabu K. CET School Of Management, - College of Engineering Trivandrum

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6	A STUDY ON PRO ENVIRONMENTAL BEHAVIOR AMONG GEN-Z BY INTEGRATING NORM ACTIVATION MODEL	Vishnu K MBA student, FISAT Business School, Angamaly Biji U. Nair Asst. Professor, FISAT Business School, Angamaly
7	Ethical Excellence: A Crucial Shield Against Employee Moonlighting Intentions	Chithra Vimal and Dr. Elgin Alexander Full-time research scholar, APJAKTU
8	Impact of CSR on consumers ; propensity to buy: investigating the mediating function of trust	Bharathan Syam & Thahasin N P Research Fellows, MES Asmabi College, Kodungalloor, Kerala
9	MATERIAL MOVEMENT AND FACILITY LAYOUT OPTIMIZATION FOR A YARN MANUFACTURING INDUSTRY	ASHISH V R, SWAPNESH S, (Department of mechanical Engineering, RIT KOTTAYAM)
10	PRODUCTIVITY IMPROVEMENT IN AN ELECTRONIC ASSEMBLY LINE USING BOTTLENECK ANALYSIS	NIDHEESH M, SAJAN M P, (Department of mechanical engineering, RIT KOTTAYAM)
11	Reduction of Machine Changeover Time using Single Minute Exchange of Dies & Taguchi Design of Experiments.	Mikku Thomas John

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CERTIFICATE

This is to certify and express our sincere gratitude to Dr Cyriac Mathew, MD (Psychiatry); MBBS; DPM; FRANZCP Fellow of the Royal Australian, New Zealand College of Psychiatrists, Senior Consultant Psychiatrist & Director of Clinical Services, NMHS and Conjoint Senior Lecturer, University of Newcastle for delivering a valuable & impeccable session on "Empathy: Its meaning, relevance in today's world and how being more empathetic to fellow human beings can help in nurturing relationships and thus make this world a better place to live in" at the INTERNATIONAL CONFERENCE on "ETHICAL AND GREEN LIVING : A New paradigm of green management - ICEGM'24" organized by the Department of Management Studies, Mangalam College of Engineering ,Ettumanoor , held on 31st May and 1st June 2024.

Head of the Department
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Principal
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Ettumanoor, Kottayam

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INTERNATIONAL CONFERENCE ON ETHICAL AND GREEN LIVING: A NEW PARADIGM OF GREEN MANAGEMENT - ICEGM'24

CERTIFICATE

This is to certify and express our sincere gratitude to Sir Paul Kronenberg, co-founder/director Kanthari & Braille Without Borders - changineer - TEDx speaker - mentor - coach - catalyst - trainer for delivering a valuable & impeccable session on "his real life journey experiences, the evolution of Kanthari and also for throwing light on the relevance of maintaining a green ecosystem, which is the need of the day" in the "INTERNATIONAL CONFERENCE on "ETHICAL AND GREEN LIVING : A New paradigm of green management - ICEGM'24" organized by the Department of Management Studies, Mangalam College of Engineering ,Ettumanoor , held on 31st May and 1st June 2024.

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CERTIFICATE

This is to certify and express our sincere gratitude to Padmabhushan Madhav Dhananjaya Gadgil for delivering a valuable & impeccable session on "The man-made disasters faced by the universe due to the extreme pollution and the utmost priority to inculcate the awareness among mankind to conserve and protect the western ghats and greenery for a better tomorrow" at the INTERNATIONAL CONFERENCE on "ETHICAL AND GREEN LIVING : A New paradigm of green management - ICEGM'24" organized by the Department of Management Studies, Mangalam College of Engineering ,Ettumanoor , held on 31st May and 1st June 2024.

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This is to certify that Mr ..... Ashish V R.....
of .....Rajiv Gandhi Institute of Technology. Kottayam has presented a paper entitled....Material movement and facility layout optimization for a yarn manufacturing industry..... in the "INTERNATIONAL CONFERENCE on "ETHICAL AND GREEN LIVING : A New paradigm of green management - ICEGM'24" organized by the Department of Management Studies, Mangalam College of Engineering, Ettumanoor, held on 31st May and 1st June 2024.

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CERTIFICATE

This is to certify that Mr ..... Bharathan Byam, Research Scholar..... of .....Research Dept of Commerce, MES ASMABI College, Kodungallour has presented a paper entitled....Impact of CSR on consumer's propensity to buy: Investigating the mediating function of Trust.... in the "INTERNATIONAL CONFERENCE on "ETHICAL AND GREEN LIVING : A New paradigm of green management - ICEGM'24" organized by the Department of Management Studies, Mangalam College of Engineering ,Ettumanoor , held on 31st May and 1st June 2024.

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Affiliated to APJ Abdul Kalam Technological University
Approved by AICTE, New Delhi and Accredited by NAAC

Notice No.MLM/MBA/29-23 29/11/23

NOTICE

The Department of Management Studies, Mangalam College of Engineering will be conducting a 3 day Faculty Training Programme/ Workshop on OBE, Research Writing and Publication from December 6, 2023 to December 8, 2023 at Civil Conference Hall.

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Principal

Vice principals

All department HOD's

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DEPARTMENT OF MANAGEMENT STUDIES

Faculty Training Programme

06 DECEMBER 2023

OBE



07 DECEMBER 2023

RESEARCH WRITING



08 DECEMBER 2023

PUBLICATION



civil conference hall

Report on Faculty Training Programme/ Workshop on OBE, Research Writing and Publication from December 6, 2023 to December 8, 2023

Venue: Civil Conference Hall

Organizers: Department of Management Studies

The Department of Management studies had conducted a 3 day Faculty Training Programme/ Workshop to the faculty members of the department related to the significance of Outcome Based Education, Research writing and Publication from December 6th 2023 to December 8th 2023. The main objective of this training was to provide faculties with an insight towards the importance of OBE as well as the possibilities and opportunities regarding research writing and publication.

Key Themes and Discussions:

Which educational approach is the best for students? This is a common question that many educators and institutes ponder. There is no definitive answer because what might work for one student might not be applicable to others. Outcome-based education is a unique educational methodology that specifies particular learning outcomes. It encourages the development of teaching and learning practices to attain the established outcomes.

As opposed to the traditional educational system that rushes through topics and syllabuses, **OBE** focuses on mastery of concepts. Teachers use a rubric or standard to assess whether or not students have gained an in-depth understanding of core concepts.

It creates a self-paced learning environment wherein students don't have to worry about keeping up with the rest of the class's pace. It helps them understand concepts effectively and apply them in practical scenarios.

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Over the last decade, the expectation for publishing research papers has increased significantly in academia, in professional communities, and in science and technology disciplines worldwide.

In scientific fields (especially in academia), both graduate students and faculty are expected to publish the results of their research work in journals and conference proceedings. Publication of research or journal papers has also become a key measure for tenure and promotion assessments.

Submitting a paper for publication in a journal is, to say the least, a process that brings great anxiety and stress. After all your hard work for many months, or even years, recognition is finally at your grasp. If you are a beginner, you might be struggling to know exactly what to do. After all, it is a step-by-step process, sometimes with a lot of players and paperwork involved; it's not always evident what to do next. An excellent, high-quality manuscript is the best way to give a good impression from the beginning, putting your paper on the right track for a successful submission.

Outcome and Recommendations:

The programme concluded with the recommendations that curriculum should be focused on OBE.

Faculties should at least start identifying a topic related to their area of interest and start preparing a paper that can in the long run be suitable for publishing.

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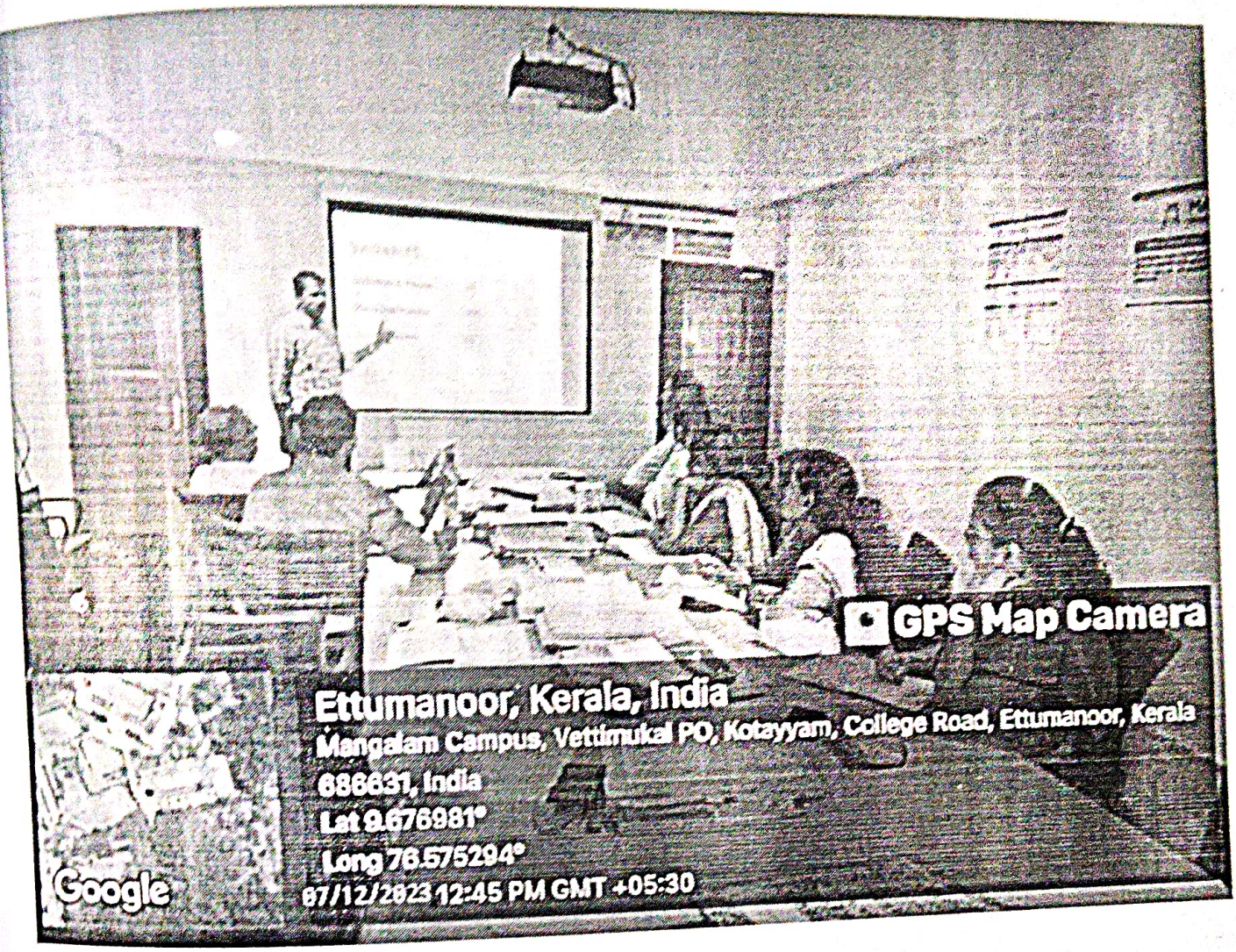
napshots of the Programme



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DEPARTMENT OF MANGEMENT STUDIES

Faculty Training Programe on OBE,Research Writing and Publication

Participants List 6/12/2023

Sl.no	Name	Signature
1	Dr.Tomy Mathew	
2	Mr.Bose Tom	
3	Dr.M Sulaipher	
6	Dr.Prima Anne George	
7	Ms.Tinta Baby	
8	Ms.Reshma Raveendranath	
9	Ms.Rinta George	
10	Ms. Neethu Kuncheria	
11	Ms Sherin Sasi	
12	Ms.Amala Lovely James	
13	Mr.Jobin J Illickamuriyil	
14	Mr.Sam T Mathew	

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DEPARTMENT OF MANGEMENT STUDIES

Faculty Training Programe on OBE,Research Writing and Publication

Participants List 7/12/2023

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8	Ms.Reshma Raveendranath	
9	Ms.Rinta George	
10	Ms. Neethu Kuncheria	
11	Ms Sherin Sasi	
12	Ms.Amala Lovely James	
13	Mr.Jobin J Illickamuriyil	
14	Mr.Sam T Mathew	

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MANGALAM COLLEGE OF ENGINEERING
DEPARTMENT OF MANGEMENT STUDIES

Faculty Training Programe on OBE,Research Writing and Publication

Participants List 8/12/2023

Sl.no	Name	Signature
1	Dr.Tomy Mathew	
2	Mr.Bose Tom	
3	Dr.M Sulaipher	
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7	Ms.Tinta Baby	
8	Ms.Reshma Raveendranath	
9	Ms.Rinta George	
10	Ms. Neethu Kuncheria	
11	Ms Sherin Sasi	
12	Ms.Amala Lovely James	
13	Mr.Jobin J Illickamuriyil	
14	Mr.Sam T Mathew	

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