



J.K.K.MUNIRAJAH COLLEGE OF TECHNOLOGY

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Accredited by NAAC
"A" GRADE

☎ 02485 260754 / 55
✉ principal@jkkmct.edu.in
🌐 www.jkkmct.edu.in

Smt. VASANTHAKUMARI MUNIRAJAH
Chairman & Managing Trustee

Mrs. M.KASTHURIPRIYA MBA.,
Secretary

DR.K.SRIDHARAN Ph.D.,
Principal

DATE: 27-02-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that the average percentage of professional development/ administrative training programs organized by the institution for teaching and non-teaching staff during academic year 2022-2023. The details are given below:

Academic Year	2022-2023
Total no of programs organized	11

**PRINCIPAL
PRINCIPAL**

**JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.
GOBI (Tk), ERODE (Dt).**

**APPROVAL FOR ORGANISING A FACULTY
DEVELOPMENT PROGRAMME**

From

Dr.C.Murugesan,
Professor & Head,
Department of Electronics and Communication Engineering,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.

To

The Principal,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.

Respected Sir

SUB: Requesting Permission to conduct FDP-Reg.


The department of Electronics and Communication Engineering has planned to organize a six days Faculty Development Program (FDP) in the topic of "EMERGING TRENDS IN ELECTRONICS COMMUNICATION AND NETWORKING TECHNOLOGIES" from 13/02/2023 to 18/02/2023. For the benefit of our college department staff updates their knowledge about the networking technologies. I am eagerly waiting for your feedback as I have to inform the entire faculty well in advance.

Thank You

Yours Sincerely,


(Dr.C.Murugesan)

Permitted
[Signature]


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JKKMCT/CIRCULAR/JAN-2023

DATE: 25/01/2023

CIRCULAR


The Department of Electronics and Communication Engineering is planning to organize a Faculty Development program on "EMERGING TRENDS IN ELECTRONICS COMMUNICATION AND NETWORKING TECHNOLOGIES" for the benefit of faculty members from 13/02/2023 to 18/02/2023. All the department staff members those who are interested to attend the program can enroll their names to their respective HoD's on or before 02/02/2023.


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Copy To,

The Principal,
All the HoD's and Staff Members,
IQAC File
Notice Board


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ABOUT THE FACULTY DEVELOPMENT PROGRAMME:

The FDP is designed to bring Researchers and faculties from various colleges to a common gathering for exchanging and sharing the industrial applications of internet of things. The experts from prestigious Institutes will deliver expert talks and practical demonstration in the course. More number of participants are expected to participate. Due to limited number of seats as per guidelines of AICTE the registration will be done on the first cum first basis. The T.A/D.A and Boarding & Lodging facility will be provided to outstation participants. The participants are going to gain extensive details of subject knowledge along with practical knowledge. Case studies and practical examples enrich their concept in the field of communication and networks. This FDP will help them to do better teaching and to conduct research activities at their institutes.

OBJECTIVE OF THE PROGRAM:

The objective of this training program is to produce Enterprise Networking professionals capable of implementing, administering, maintaining Computer Networks and overall Security Systems. It is an advanced level program that measures the ability to administer any networking problems. To generate and disseminate knowledge and technologies essentials to meet the local and global needs in the fields of Electronics and Communication.

OUTCOME OF THE PROGRAM

The participants will gain valuable skills in computer networks (switching, routing), system and network administration, computer and network security, operating systems, web programming, databases, and project management.



PROGRAM HIGHLIGHTS

The Program aims at enhancing the academic and intellectual environment in the Institution by providing faculty members with enough opportunities to pursue rresearch .Participation in seminars/ conferences / workshops would enable faculty members to update their research and pedagogical skills. The participants will be able to understand the basic concepts of data communication, layered model, protocols and interworking between computer networks and switching.

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FACULTY DEVELOPMENT PROGRAMME
ON
EMERGING TRENDS IN
ELECTRONICS COMMUNICATION
AND NETWORKING
TECHNOLOGIES

13/02/2023 to 18/02/2023

REGISTRATION FORM

NAME:

DESIGNATION:

DEPARTMENT:

INSTITUTION:

AREAS OF SPECIALIZATION:
.....
.....

ADDRESS.....
.....

EMAIL:

CONTACT NO.
.....

SIGNATURE OF THE APPLICANT:
.....

ABOUT THE COLLEGE

J.K.K.MUNIRAJAH COLLEGE OF TECHNOLOGY, also called as JKKMCT is located at Gobichettipalayam in the Erode district in the state of Tamilnadu. JKKMCT is a private and reputed self-financing institute. The college is approved by AICTE and is affiliated with Anna University, Chennai. The missions of J.K.K.Munirajah College of technology provides advance knowledge and educate students in science and technology and also teaching, research and innovation and pursue its mission of service to the nation and the world. The college was established in the academic year 2008-2009 and governed by the Anna J.K.K.Sampoorani Ammal Charitable Trust Dr. J.K.K.Munirajahh founded the Charitable trust in 1971 for the purpose of providing health care and Education to the public. JKKMCT is run by this charitable trust. All the academic activities of the college are managed by the Head of the institution,.

ABOUT THE DEPARTMENT

The J.K.K. Munirajah college of Technology has introduced the 4 year course B.E (Electronics & Communication Engineering) in the year of 2008. The course was approved by AICTE, New Delhi and affiliated by ANNA University at Chennai. The Department of Electronics & Communication Engineering works hard to provide in-depth domain knowledge to the students through high quality education..

**J.K.K. MUNIRAJAH COLLEGE OF
TECHNOLOGY
T. N. PALAYAM,
GOBICHETTIPALAYAM,
ERODE Dt, TN-638056**



Faculty Development Programme

On

**EMERGING TRENDS IN
ELECTRONICS COMMUNICATION**

**AND NETWORKING
TECHNOLOGIES**

13/02/2023 to 18/02/2023

Principal
JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (PD)-638 506.
GOBI (TK), ERODE (Dt).

**Department of Electronics &
Communication Engineering**

ORGANIZING COMMITTEE:

Chief Patrons

Mrs. Vasanthakumar Munirajah, Chairman,

Secretary

Mrs. Kasthuripriya Kirupakaramurali, MBA.

Patron

Dr. K. Sridharan, Principal,

Convener

Dr. C. Murugesan,
HoD/ECE.

Co-Convener

Mrs. U. Sasikala, AP/ECE
J.K.K. Munirajah College of technology.

Committee Members:

Mrs. R. Kokila, AP/ECE

Mrs. N. Gomathi AP/ECE

Mrs.P. Bright Thanga Magizh, AP/ECE

Mr. Dhatchinamoorthy, AP/ECE

Mr. Navindran, AP/ECE

How to Apply:

Candidates have to send the scanned copy of completely filled prescribed registration form before 10/02/2023, Certificates shall be issued to all effective participants.

RESOURCE PERSON

Mr. A. R. RANGANATHAN

MANAGING DIRECTOR

OHMTRONICS



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Faculty Development Program

On


EMERGING TRENDS IN ELECTRONICS COMMUNICATION AND NETWORKING TECHNOLOGIES

13/02/2023 TO 18/02/2023

SCHEDULE PLAN

DATE	FORENOON SESSION (09.30 am to 12.30pm)	LUNCH BREAK	AFTERNOON SESSION (01.30 pm to 04.30pm)
13/02/2023	Registration & Inaugural function		Introduction to communication networking technologies
14/02/2023	Focus on Artificial intelligence and ethical considerations		Expansion of IOT in various industries
15/02/2023	Development of automated machine learning		Reliable remote control of machinery, robotics and other devices
16/02/2023	Optimization of content delivery networks		Spatial computing using 3D interfaces
17/02/2023	Advanced Holomorphic Encryption		Robotics and automation
18/02/2023	Enhanced marketing automation through focused advertising and social media reach		Feedback and Valedictory function


PROGRAM CO ORDINATOR


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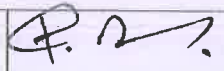


“EMERGING TRENDS IN ELECTRONICS COMMUNICATION AND NETWORKING TECHNOLOGIES”

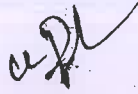
13/02/2023 to 18/02/2023

PARTICIPANTS LIST

S.NO	NAME OF THE FACULTY	DESIGNATION	SIGNATURE
1.	C Murugesan	Professor & Head	
2.	T S Thambiran	Assistant Professor	
3.	S M Pranesh	Assistant Professor	
4.	A Vigneshkumar	Assistant Professor	
5.	G Palanisamy	Assistant Professor	
6.	M Mohanambika	Assistant Professor	
7.	R Dhivya	Assistant Professor	
8.	B P Bright Thanga Mahizh	Assistant Professor	
9.	P Dhakshinamoorthi	Assistant Professor	
10.	M Sivaranjani	Assistant Professor	
11.	N Mythili	Assistant Professor	
12.	R Kokila	Assistant Professor	
13.	V Magesh	Assistant Professor	
14.	V P Arul Murugan	Assistant Professor	
15.	P Eswaran	Assistant Professor	
16.	S Ganesh Kumar	Assistant Professor	
17.	M Senbagam	Assistant Professor	
18.	M Kavitha	Assistant Professor	

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19.	P Ramesh	Assistant Professor	
20.	S Prabakaran	Assistant Professor	
21.	S Samyuktha	Assistant Professor	



PROGRAM CO-ORDINATOR

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ECLON Association

Of

Department of Electronics and communication engineering

Name of Institution	J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY
Name of Department	Electronics and Communication Engineering
Name of Event Organized	One week Faculty Development
Title of the Event	Emerging trends in electronics communication and networking technologies
Date of Event Organized	13/02/2023 To 18/02/2023
No of Participants	21
Venue	Electronics Communication Engineering Smart Class
Name of Chief Guest/Speakers	Mr.A.R.Ranganathan, Managing Director, OHMTRONICS

Description:

The FDP focuses on the growth of communication networking technologies in various industries, including healthcare and manufacturing field. This FDP focuses mainly on better understanding of technology trends that will last into the next generation and real-world. This is an opportunity to the academicians to enhance their skills and understand the methodologies.

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The FDP Programme summarized the aspects relating to the emerging trends in electronics ,communication and networking. This FDP intended to orient participants towards developing their own technical skills with due attention.

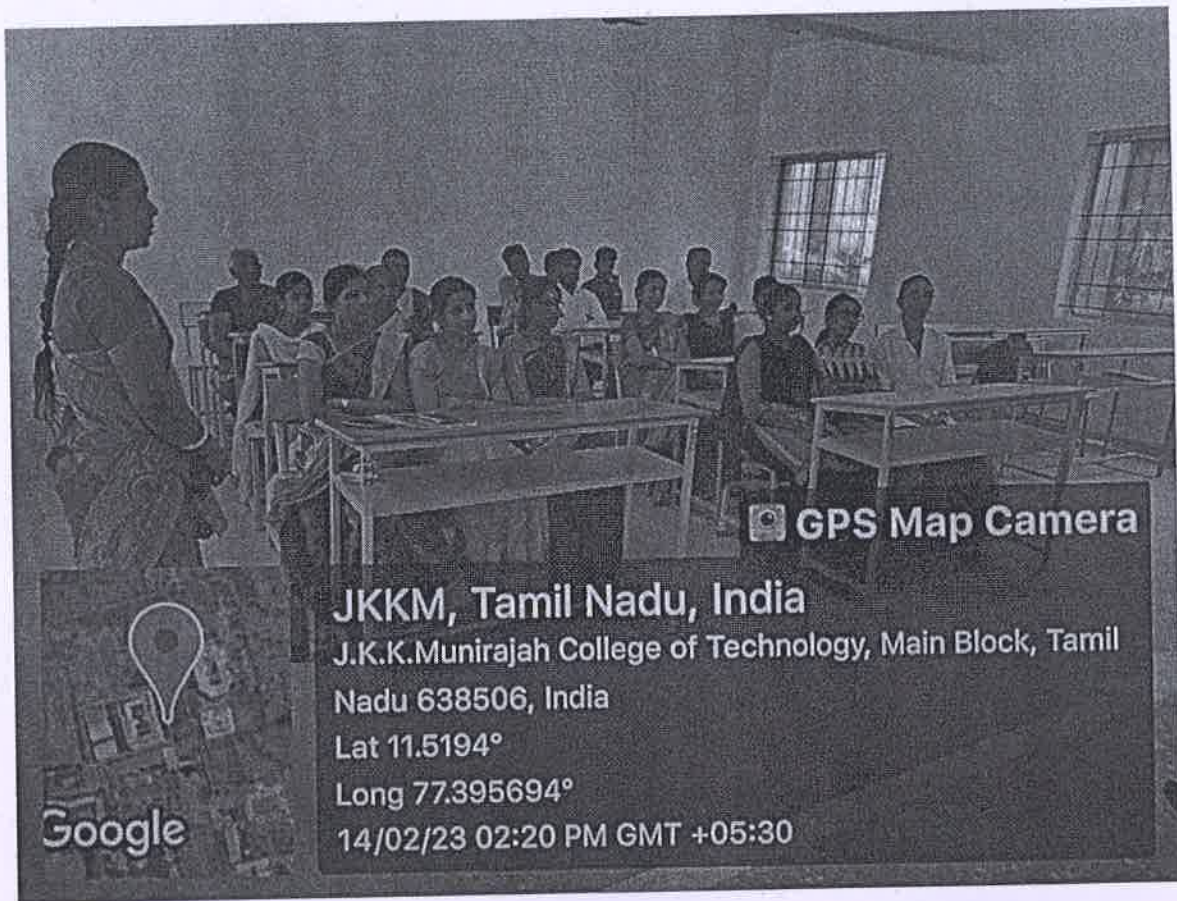
The major objectives kept in mind while framing this Faculty Development Programme were as follows:

- Growing demand for real-time computation and low latency at the end device.
- Proliferation of connected devices to monitor and manage.
- IT talent models evolve
- To understand the use of communication networking in various industries
- Enhance the Analytical Skills for various data analyses.

This FDP Programme was attended by 40 participants from the department of EEE & ECE and PG students of JKKMCT. Attendees included Research Scholars & Academicians form varied background. All the sessions were handled by eminent persons in the field.

Lastly the session ended with a valedictory function. Feedback was received from all participants. It was an interactive session for all participants in the Programme. The program ended successfully with certificate distribution.


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GPS Map Camera

JKKM, Tamil Nadu, India

J.K.K.Munirajah College of Technology, Main Block, Tamil

Nadu 638506, India

Lat 11.5194°

Long 77.395694°

14/02/23 02:20 PM GMT +05:30

Google

**Mr.A.R.Ranganathan, Managing Director, OHMTRONICS, Delivered about
Emerging Trends in Electronics Communication and Networking Technologies**

PROGRAM CO-ORDINATOR

**PRINCIPAL
JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.
GOBI (TK), ERODE (Dt).**

PRINCIPAL

APPROVAL FOR ORGANISING AN AWARENESS PROGRAMME

From

Mr.K.Sriram,
Assistant Professor & Head,
Department of Mechanical Engineering,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.

To,

The Principal,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.

Respected Sir,

SUB: Requesting Permission to conduct FDP-Reg.

The department of Mechanical Engineering has planned to organize a one week Faculty Development Program (FDP) in the topic of "DESIGN OF INDUSTRIAL COMPONENTS" from 13.02.2023 to 18.02.2023, for the benefit of our college Mechanical and Automobile department staff to update their knowledge.

Thank You

Permitted
[Signature]

Yours Sincerely,

[Signature]
(Mr.K.Sriram)

[Signature]
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JKK MUNIRAJAH COLLEGE
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GOBI (Tk), ERODE (Dt).



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JKKMCT/CIRCULAR/FEB-2023

DATE: 03/02/2023

CIRCULAR


The Department of Mechanical Engineering is planning to organize a Faculty Development program on "DESIGN OF INDUSTRIAL COMPONENTS" for the benefit of faculty members from 13.02.2023 to 18.02.2023. All the department staff members those who are interested to attend the program can enroll their names to their respective HoD's on or before 08/02/2023.


31/2/23
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ABOUT THE COLLEGE

J.K.K.Munirajah is a reputed industrialist, technocrat, an educationalist, and excellence in a void social worker, a person imbibed in deep spiritual values and a Philanthropist. J.K.K.Munirajah founded a Charitable Trust by name Annai.J.K.K.SampooraniAmmal Trust, Komarapalaym-638 183, Namakkal Dt., Tamilnadu in the year of 1971. J.K.K.Munirajah established many temples of leaving to perpetuate the ever lasting memory of his beloved mother. At present Annai.J.K.K.SampooraniAmmal Charitable Trust maintains and runs Paramedical Institutions offering Diploma, Graduate and Post Graduate courses in Pharmacy, Nursing, Physiotherapy and Occupational Therapy at Komarapalayam, NamakkalDt and a Polytechnic, Community Polytechnic and a Industrial Training Center at T.N.Palayam, Erode Dt. These educational Institutions are temples of Learning and have contributed much to a formidable social change in our society. The Trust has won many National and State awards. They are renowned educational institutions spared nothing to promote knowledge, wisdom and service-orientation.

ABOUT THE DEPARTMENT

The Mechanical Engineering Department was started in the year 2010. The department offers four years B. E -Mechanical Engineering. The department has a team of highly qualified, dedicated and motivated faculty and well

equipped laboratories with facilities for UG. B.E has been accredited by AICTE, New Delhi. The goal of the Mechanical engineering curriculum is to create a flexible undergraduate educational experience in design, mathematics, modeling, computing, management, and engineering science. Principal study topics include fluid mechanics, thermodynamics & heat transfer, solid mechanics, materials engineering, manufacturing, energy systems, dynamics & computer Aided Design (CAD) and others.

ABOUT THE PROGRAMME

Studying Participants get an in-depth knowledge of pneumatics through principles and uses of compressed air, circuit logic, sequencing, and control functions using circuit design and hands-on construction. Areas covered include: Physical principles of compressed air Standard ISO pneumatic symbology, Operation and application of pneumatic components Logic circuits Sequence control Circuit design and construction Circuit troubleshooting, Participants will learn pneumatic components and their uses in industrial applications. Circuits are designed using cylinders and directional control valves as well as logic, timing, sequencing, and emergency stop functions. Designing, constructing, and reading pneumatic circuit diagrams gives the participant a strong understanding of circuit operation and a good base for troubleshooting.

J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY, T.N.PALAYAM

Accredited by NACC with "A" grade

ONE WEEK FACULTY DEVELOPMENT PROGRAMS

On

DESIGN OF INDUSTRIAL COMPONENTS

13/02/2023 TO 18/02/2023

Organized by



Principal
J.K.K. MUNIRAJAH COLLEGE
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T.N. PALAYAM (Po)-638 183
GOVT (T), ERODE (Dt).

Department Of Mechanical Engineering

J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY, T.N.PALAYAM

Tel No: 04285-260754-55, Fax: 04285-260755. E-mail: jkkmechtrix@gmail.com,

Website: www.jkkmct.org

ORGANIZING COMMITTEE

Convener : Mr.S.Karthikeyan
Assistant Professor,
Mechanical Engineering,
JKKMCT, Gobi

Coordinators: M.Sivakumar,
Assistant Professor,
Mechanical Engineering,
JKKMCT, Gobi

**ONE WEEK FACULTY DEVELOPMENT
PROGRAMS**

On

DESIGN OF INDUSTRIAL COMPONENTS
Department Of Mechanical Engineering
**J.K.K. MUNIRAJAH COLLEGE OF
TECHNOLOGY, T.N.PALAYAM**

Mobile : 9597553594

Email : siva36mech@gmail.com

SESSION DETAIL

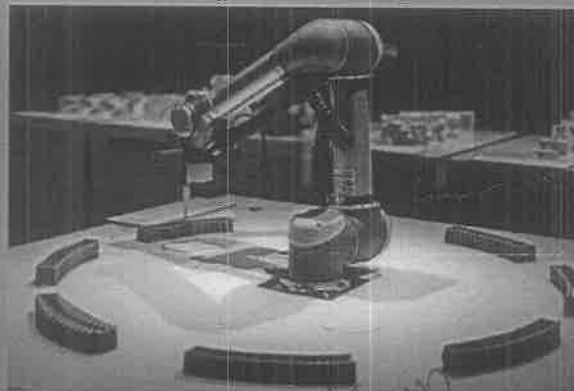
- 1.Operation and application of pneumatic components
- 2.Logic circuits Sequence control Circuit design
- 3.Construction Circuit troubleshooting.

RESOURCE PERSONS

Mr.B.SABINATH,M.E
DMW CNC CENTRE,
PERUNDHURAI.

IMPORTANT DATES :-

Last Date for Receipt of Registration
form: 08.02.2023



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**J.K.K. MUNIRAJAH COLLEGE OF
TECHNOLOGY, T.N.PALAYAM**

ONE WEEK FACULTY DEVELOPMENT

PROGRAMS

On

DESIGN OF INDUSTRIAL COMPONENTS

13/02/2023 TO 18/02/2023

REGISTRATION FORM

Name:

Gender: **MALE/FEMALE**

Address for Communication:
.....
.....
.....

PIN:

Email:

Mobile No.

Date:

Place:

Signature of the applicant



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DESIGN OF INDUSTRIAL COMPONENTS

13.02.2023 to 18.02.2023

SCHEDULE PLAN

Date/Time	10.00am-11.30m	11.30am-11.45am	11.45am-1.00pm	1.00pm-2.00pm	2.00pm-4.00pm
13-02-2023	Inaugural Function	Tea Break	What Is The Industrial Design Process?	Lunch	The Role of Design Thinking
14-02-2023	Design And Drafting Of Industrial Components		Virtual Product Development		Hardware Interface Design
15-02-2023	Industrial Robots Are Enabling New Levels Of Efficient Manufacturing		Robotics & Automation		Advance Trends In Robotics, Ai, And Healthcare Innovation
16-02-2023	Industrial Revolution On Product Design And Development		Design For Changeability And Design For Data Analytics		Application of Industrial components
17-02-2023	Introduction Of Design Of Industrial Components		Design and Fabrication of Industrial Components Using 3D Printing		Advantages of Industrial components in 3D Printing
18-02-2023	Product Viability		Product Feasibility		Examples of Great Industrial Design


PROGRAM CO-ORDINATOR


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DESIGN OF INDUSTRIAL COMPONENTS
13.02.2023 to 18.02.2023

PARTICIPANTS LIST

S.NO	NAME OF THE FACULTY	DESIGNATION	SIGNATURE
1.	Mr.V.MAGESH	HOD/AUTO	
2.	Mr.V P ARUL MURUGAN	Assistant Professor	
3.	Mr.P.ESWARAN	Assistant Professor	
4.	Mr.S.GANESH KUMAR	Assistant Professor	
5.	Mr.K.GOPALA KRISHNAN	Assistant Professor	
6.	Mr.C.MUKUNDHAN	Assistant Professor	
7.	Mr. V.SABARIVASAN	Assistant Professor	
8.	Mr.P.SURESH	Assistant Professor	
9.	Mr.K.SRIRAM	HOD/MECH	
10.	Mr.M.SIVAKUMAR	Assistant Professor	
11.	Mr.S.KARTHIKEYAN	Assistant Professor	
12.	Mr.K.S.RAMESH	Assistant Professor	
13.	Mr.Dr.N.SANKAR	Assistant Professor	
14.	Mr.E.PRABHURAJ	Assistant Professor	
15.	Mr.K.GOVINTHASAMY	Assistant Professor	
16.	Mr.T.S.THAMBIRAN	Associate Professor	
17.	Mr.S.M.PRANESH	Assistant Professor	
18.	Mr.A.VIGNESHKUMAR	Assistant Professor	

19.	Mr.G.PALANISAMY	Assistant Professor	G. Palanisamy
20.	Mr.J.GURUPRASATH	Assistant Professor	J. Guruprasath
21.	Mr.M.MOHANAMBIKA	Assistant Professor	M. Mohanambika
22.	Mrs.U.SASIKALA	Assistant Professor	U. Sasikala

M. 

PROGRAM CO-ORDINATOR



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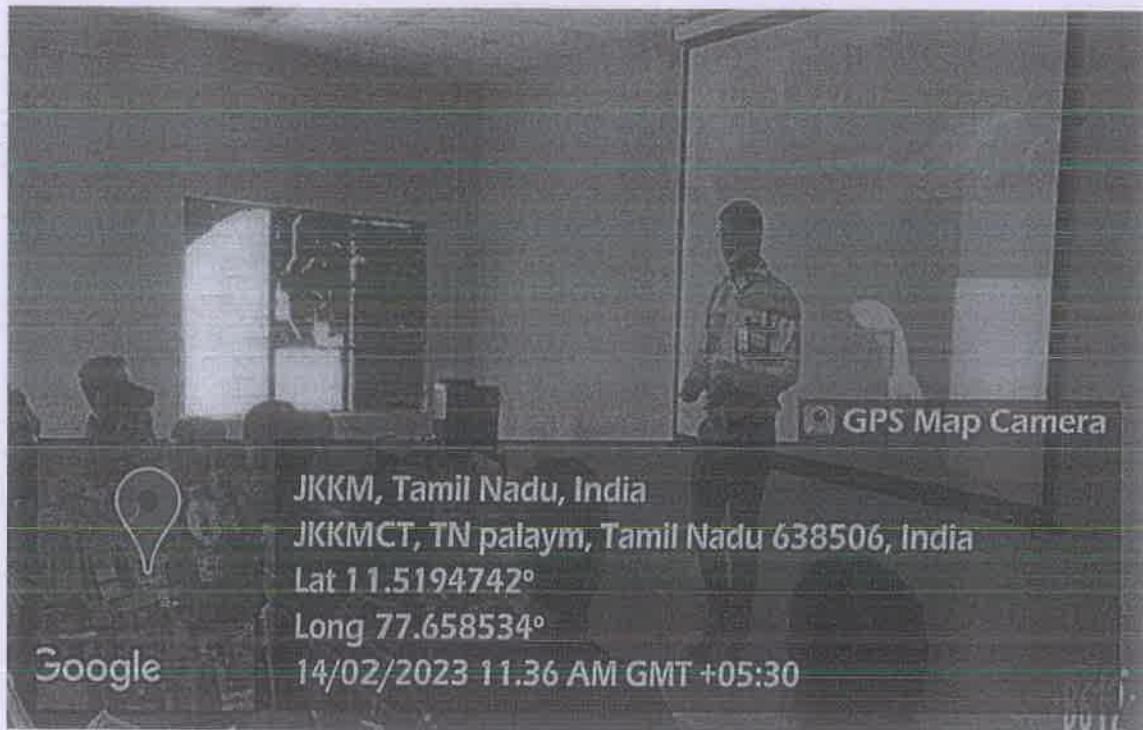
Name of Institution	J.K.K.MUNIRAJAH COLLEGE OF TECHNOLOGY
Name of Event Organized	FACULTY DEVELOPMENT PROGRAM
Title of the Event	DESIGN OF INDUSTRIAL COMPONENTS
Date of Event Organized	13.02.2023 to 18.02.2023
No of Participants	22
Venue	MECHANICAL SMART CLASS
Name of Chief Guest/Speaker	Mr.B.SABINATH,M.E ASSISTANT MANAGER DMW CNC CENTRE, PERUNDHURAI, ERODE.

Description/Conclusion:

Participants get an in-depth knowledge of it was my intent to demonstrate that the development and maintenance of software components is similar to other engineering endeavors, especially the analysis, design, component warehousing, construction, and maintenance of high-rise buildings. Constructing from components is more complex than building from scratch. The transition from building the same sets of software products repeatedly to componentization demands new and existing roles. Building systems from components is a natural evolution from existing methods and can always be related to other industries. Car manufacture, electronics,



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T.N. PALAYAM (Po)-638 506.
GObI (Tk), ERODE (Dt).

construction, and many other industries' engineering disciplines have adopted—because of economics, or otherwise adapted to—componentization, and matured into more productive and profitable industries.



Resource person: Mr.B.SABINATH M.E., Working as Assistant Manager DMW delivered about Design of Industrial Components


PROGRAM CO-ORDINATOR


PRINCIPAL
JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.
GOBI (TK), ERODE (DI).


PRINCIPAL

**APPROVAL FOR ORGANISING A FACULTY
DEVELOPMENT PROGRAMME**

From

Dr.N.Sathyabalaji,
Professor & Head,
Department of Computer Science Engineering,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.

To,

The Principal,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.

Respected Sir,

SUB: Requesting Permission to conduct online FDP-Reg.

The department of Computer Science Engineering has planned to organize a six-days Faculty Development Program (FDP) in the topic of **"CYBER SECURITY & BLOCK CHAIN TECHNOLOGY"** from **23.01.2023 to 28.01.2023**. For the benefit of our college department staff updates their knowledge about the cyber security & block chain technology. I am eagerly waiting for your feedback as I have to inform the entire faculty well in advance.

Thank You

Permitted
Sathyabalaji

Sathyabalaji
PRINCIPAL
JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (Tn)-638 506
GOBI (Tk), ERODE (Dt).

Yours Sincerely,

Sathyabalaji
(Dr.N.Sathyabalaji)



J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY

Approved by AICTE, New Delhi And Affiliated to Anna University, Chennai.

Accredited by NAAC with "A" grade

T.N. Palayam (Po), Gobi (Tk), Erode (Dt) – 638 506



JKKMCT/CIRCULAR/JAN-2023

DATE: 07/01/2023

CIRCULAR

The Department of Computer Science Engineering is planning to organize a Faculty Development program on "CYBER SECURITY & BLOCK CHAIN TECHNOLOGY" for the benefit of faculty members from 23.01.2023 to 28.01.2023. All the department staff members those who are interested to attend the program can enroll their names to their respective HoD's on or before 11/01/2023.

Copy To,

The Principal,
All the HoD's and Staff Members,
IQAC File
Notice Board

PRINCIPAL
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GOBI (TK), ERODE (Dt).

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T.N. PALAYAM (Po)-638 506.
GOBI (TK), ERODE (Dt).

FDP TOPICS

↓ Block Chain Technology

Overview, Importance, Identity Management

↓ Cyber Security

Overview, Importance, Latest tools, Attacks.

↓ Adversarial Machine Learning

Implications of Cyber Security, Fairness

↓ Cyber Attacks

Overview, Practical Demonstration, Hands in session

↓ DOS Attacks

Overview, Next Generation Attacks, Tools

IMPORTANT DATES

Last Date for Registration: 12-01-23

Intimation of Selection : 14-01-23

Confirmation by Participations: 16-07-23

Program Duration: 19-01-23 to 23-01-23

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GOBI (Tk), ERODE (Dt).

ABOUT FDP

The Department of CSE & IT is organizing 5 days Faculty Development Program on Cyber Security & Block Chain Technology. It was felt that training with latest tools and technologies is vital to keep an institute competitive and more activities. Block Chain Technology has generated strong interest in various scientific and engineering domains over the last few years. In this FDP we provide comprehensive session on Block Chain Technology focusing on up-to-date opportunities and future directions.

OBJECTIVE

The objective of the program is to unite practitioners, researchers, and people from industry to discuss the progress on state of the art research and the practical usage of Cyber Security and Block Chain technologies, focusing on the application and the technologies relying on it. Specifically, this FDP is to promote discussion on theory, progress development, deployment and the practical usage of Block Chain technologies with respect to Cyber Security.



Six Day

Faculty Development Program

On

Cyber Security & Block Chain
Technology

Jan 23-28, 2023

Organized by

DEPARTMENT OF COMPUTER SCIENCE
ENGINEERING
&
INFORMATION TECHNOLOGY



J.K.K. MUNIRAJAH COLLEGE OF
TECHNOLOGY

T.N.Palayam,

Gobichettipalayam,

Erode – 638506.

ABOUT COLLEGE

J.K.K. Munirajah college of Technology was established in the year 2008 Governed by Annai J.K.K. Sampoorani Ammal Charitable Trust, primarily with the objective of delivering world class quality in Education and Training in a structured and systematic manner J.K.K.Munirajah group of Institutions was founded by J.K.K.Munirajah, who is a reputed industrialist, technocrat, an educationalist par excellence, an avid social worker, a person imbued in deep spiritual values and a philanthropist. The management has completed 25 years of dedicated service to the people of India and abroad in the field of Education. The Institution has an area of 250 acres of land richly endowed with beautiful Greenland. The college with its state-of-the-art infrastructural facilities and excellent academic records has earned recognition as one of the reputed educational institutions for men and women in India.

ABOUT DEPARTMENT

The J.K.K. Munirajah college of Technology has introduced the 4year courses are B.E (Computer Science Engineering) in the year of 2008.The course was approved by AICTE, New Delhi and affiliated by ANNA University at Chennai. The Computer Science Engineering strives towards updating the syllabus. So that the students are always equipped with advanced technology to meet Industrial standard Hi tech Laboratories also render the necessary expertise.

CHIEF PATRON

MRS. VASANTHAKUMARI MUNIRAJAH,
CHAIRMAN.

PATRONS

MRS. KASTHURIPRIYA KRIBAKARMURALI,
MBA.,
SECRETARY.

PRINCIPAL

Dr.K.SRIDHARAN,M.E.,MBA.,Ph.D.,M
ISTE.

RESOURCE PERSON
P.KALAISELVI, M.E.,
Assistant Professor,
SVHEC

PROGRAM DIRECTOR

Dr.N.SATHIYABALAJI,
M.E.,Ph.D.,

PROGRAM CO-ORCINATORS

Mr. E. ANANTH, M.E.,
Mrs. P. SASIREKA, M.E.,

Contact Details

9791847207

Six Day

Faculty Development Program

On

Cyber Security & Block Chain
Technology

Jan 23-28, 2023

REGISTRATION FORM

Name:

Designation & Dept:

Name of the Institute:

Address for Communication:

E-Mail:

Contact No:


PRINCIPAL
J.K.K. MUNIRAJAH COLLEGE
OF TECHNOLOGY
Place:
T.N. PALAYAM (Po)-638 508,
Date:
ERODE (Dt).

Signature of the Candidate

Signature of the Principal



J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY

Approved by AICTE, New Delhi And Affiliated to Anna University, Chennai.

Accredited by NAAC with "A" grade

T.N. Palayam (Po), Gobi (Tk), Erode (Dt) – 638 506



CYBER SECURITY & BLOCK CHAIN TECHNOLOGY

23.01.2023 to 28.01.2023

SCHEDULE PLAN

DATE	FORENOON		AFTERNOON
23.01.2023	Inaugural function Registration and Welcome, Seminar Overview and Objectives, Introduction to Cyber security	LUNCH BREAK	Basics of Block chain Technology, Block chain Use Cases and Applications
24.01.2023	Common Cyber security Threats, Cyber security Best Practices		Hands-on Workshop on Identifying Vulnerabilities, Case Studies on Cyber security Incidents
25.01.2023	Basics of Block chain Development, Introduction to Smart Contracts		Hands-on Workshop on Smart Contract Development, Best Practices for Secure Smart Contract Development
26.01.2023	Overview of Cyber security Tools, Hands-on Session with Cyber security Tools		Emerging Technologies in Cyber security, Panel Discussion on Future Trends in Cyber security
27.01.2023	Security Measures in Block chain Networks, Compliance and Legal Aspects of Block chain		Block chain Security Best Practices, Interactive Session on Block chain Security Challenges
28.01.2023	Participant Capstone Project Presentations, Guest Speaker Session on Industry Perspectives		Certificate Distribution and Closing Remarks


CO-ORDINATOR


PRINCIPAL
JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.
GOBI (TK), ERODE (DT).


PRINCIPAL



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"CYBER SECURITY & BLOCK CHAIN TECHNOLOGY"

23.01.2023 to 28.01.2023

PARTICIPANTS LIST

S.NO	NAME OF THE FACULTY	DESIGNATION	SIGNATURE
1.	Dr.N.Sathyabalaji	Associate Professor and HOD	
2.	Dr.S.B.ManoojKumaar	Assistant Professor	
3.	Mrs.M.C.Savithiri	Assistant Professor	
4.	Mr.E.Ananth	Assistant Professor	
5.	Mrs.P.Sasireka	Assistant Professor	
6.	Mrs.V.Nirosha	Assistant Professor	
7.	Mr.D.Dharanitharan	Assistant Professor	
8.	Mr.S.Satheesh	Assistant Professor	
9.	Mr.K.S.Vinothan	Assistant Professor	
10.	Mr.R.Gnanasekar	Assistant Professor	
11.	Mrs.P.Poornapriya	Assistant Professor	
12.	Mrs.D.Nivethini	Assistant Professor	
13.	Mr.S.Sudhakar	Assistant Professor	
14.	Mr.A.Sampathkumar	Assistant Professor	
15.	Mrs.S.Kanimozhi	Assistant Professor	
16.	Mr.K.R.Vikneshwara	Assistant Professor	
17.	Mr.K.Kalaivendhan	Assistant Professor	
18.	Mr.E.Vijayananth	Assistant Professor	

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JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.

19.	Mrs.P.Sangeetha	Assistant Professor	<i>Sangeetha</i>
20.	Mr.M.Senthilkumar	Assistant Professor	<i>M. Senthilkumar</i>
21.	Mr.M.Manikandan	Assistant Professor	<i>M. Manikandan</i>
22.	Mrs.P.Archana	Assistant Professor	<i>P. Archana</i>

E. Senthilkumar

PROGRAM CO-ORDINATOR

Senthilkumar

PRINCIPAL

Senthilkumar
PRINCIPAL
JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (PO)-638 506.
GOBI (TK), ERODE (DT).



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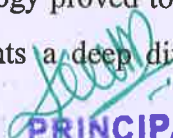
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Name of Institution	J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY
Name of Event Organized	FACULTY TRAINING PROGRAM
Title of the Event	Cyber Security & Block Chain Technology
Date of Event Organized	23.01.2023 to 28.01.2023
No of Participants	22
Venue	Seminar Hall (A/C)
Name of Chief Guest/Speakers	P.KALAISELVI, M.E., Assistant Professor, Shree Venkateshwara Hi-Tech Engineering College, Otthakkuthirai, Erode Dt.

Description/Conclusion:

Cyber security and Block chain Technology proved to be a transformative and enlightening experience, offering participants a deep dive into the intricate realms of


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GOBI (TK), ERODE (DT).

securing digital ecosystems and harnessing the potential of block chain innovations. Participants gained invaluable insights into the ever-evolving landscape of cyber security threats. The seminar illuminated the intricacies of cyber-attacks, ranging from traditional malware to sophisticated social engineering tactics. Through engaging discussions and practical workshops, attendees absorbed effective cyber security practices. From implementing robust access controls to deploying cutting-edge intrusion detection systems, the emphasis was on proactive defense mechanisms. The inclusion of hands-on sessions provided a unique opportunity for participants to apply theoretical knowledge in simulated environments. The practical workshops facilitated the development of skills crucial for identifying vulnerabilities and implementing real-time solutions. The seminar unraveled the foundational principles of block chain, emphasizing its decentralized nature and the transformative impact on various industries. Participants grasped the potential beyond crypto currencies, understanding the broad spectrum of block chain applications.

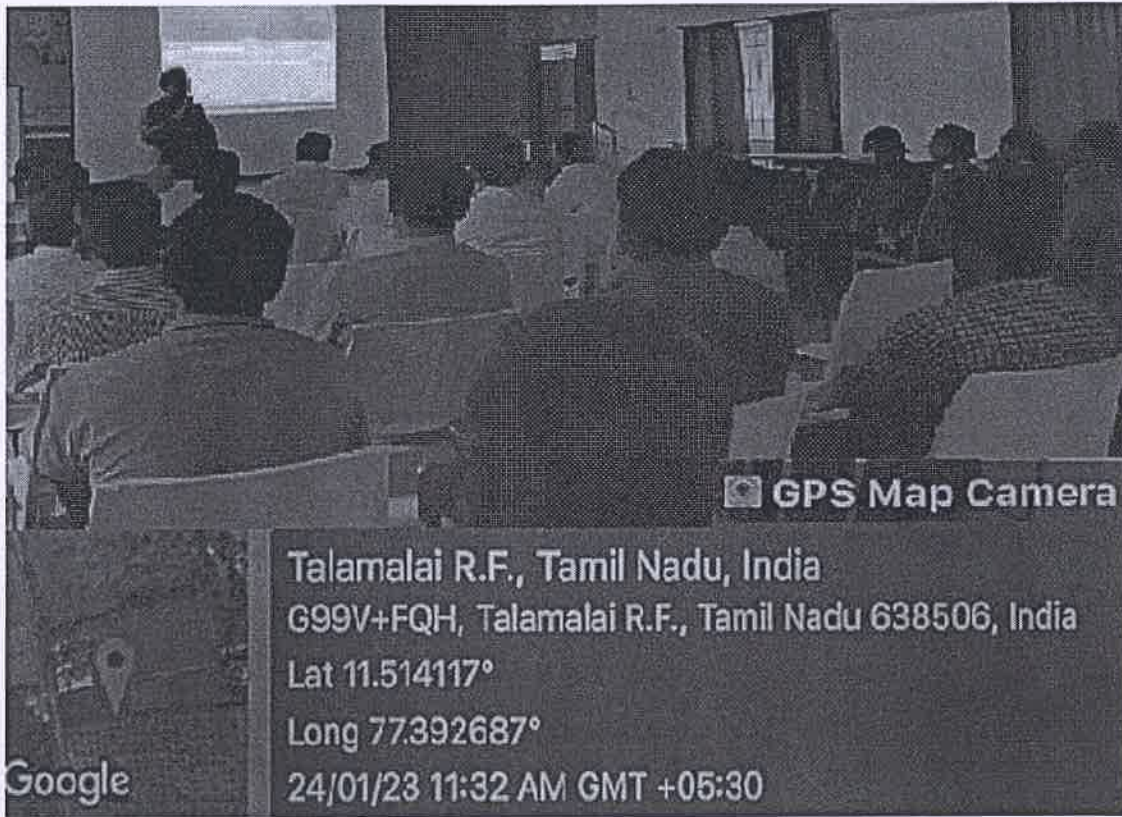
We would like to invite submissions to this Topic titled “Cyber Security & Block Chain Technology” to collect the latest developments, advanced technologies, and applications in these fields. The topics of interest include but are not limited to:

- Block Chain Technology
- Cyber Security
- Adversarial Machine Learning
- Cyber Attacks
- DOS Attacks

The integration of theoretical knowledge, practical workshops, and expert insights ensured a comprehensive learning experience. As participants receive their certificates, they leave with not just newfound expertise but also a renewed enthusiasm to contribute to the ever-evolving landscape of cyber security and block chain technology. The seminar served as a stepping stone towards creating a robust, secure, and innovative digital future



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**P.KALAISELVI, M.E., Assistant Professor, Shree Venkateshwara
Hi-Tech Engineering College, Deliver the Cyber Security & Block Chain Technology**

BENEFITS OF THE SEMINAR

- Comprehensive Knowledge
- Practical Skills Development
- Cyber security Best Practices
- Block chain Application Understanding
- Smart Contract Development Skills
- Networking Opportunities


PROGRAM CO-ORDINATOR


**PRINCIPAL
JKK MURTRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (Pg)-638 506.
GOBI (TK), ERODE (Dt).**


PRINCIPAL

**APPROVAL FOR ORGANISING A FACULTY
DEVELOPMENT PROGRAMME**

From

Dr.N.Sathyabalaji,
Professor & Head,
Department of Information Technology,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.

To,

The Principal,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.


Respected Sir,

SUB: Requesting Permission to conduct online FDP-Reg.


The department of Information Technology has planned to organize a six days Faculty Development Program (FDP) in the topic of **“ADVANCES OF CRYPTOGRAPHY USING QUANTUM COMPUTING”** from 12.12.2022 to 17.12.2022. For the benefit of our college department staff updates their knowledge about the Advances of cryptography using quantum computing. I am eagerly waiting for your feedback as I have to inform the entire faculty well in advance.

Thank You

Yours Sincerely,


(Dr.N.Sathyabalaji)




PRINCIPAL
JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.
GOBI (Tk), ERODE (Dt).



J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY

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JKKMCT/CIRCULAR/NOV-2022


DATE: 28/11/2022

CIRCULAR

The Department of Information Technology is planning to organize a Faculty Development program on "ADVANCES OF CRYPTOGRAPHY USING QUANTUM COMPUTING" for the benefit of faculty members from 12.12.2022 to 17.12.2022. All the department staff members those who are interested to attend the program can enroll their names to their respective HoD's on or before 02/12/2022.

Copy To,

The Principal,
All the HoD's and Staff Members,
IQAC File
Notice Board


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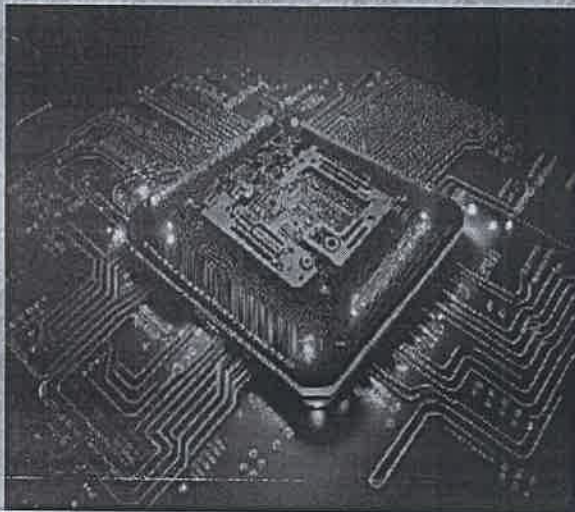
FDP TOPICS

- Introduction to Quantum Computing
- Quantum Algorithms Impacting Cryptography
- Post-Quantum Cryptography
- Quantum Key Distribution (QKD)
- Quantum-Safe Cryptographic Protocols
- Challenges and Future Directions
- Practical Considerations for Industry
- Open Forum and Q&A

IMPORTANT DATES

Last Date for Registration: 08-12-22

No Registration Fees for FDP

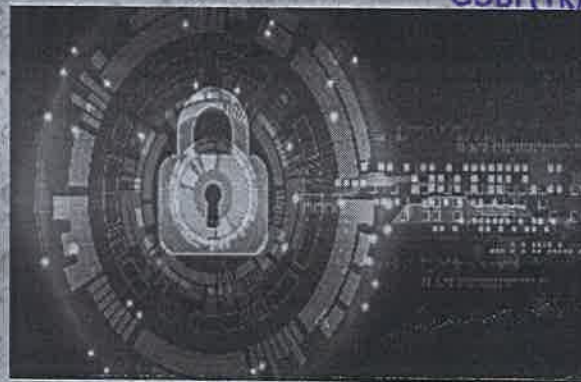


ABOUT FDP

The landscape of cryptography is undergoing a paradigm shift with the advent of quantum computing. Classical cryptographic protocols, once deemed secure, are now susceptible to quantum attacks. This seminar explores the advances in cryptography propelled by the capabilities of quantum computing and the strategies employed to secure sensitive information in this new era.

OBJECTIVE

- Educate Participants on Quantum Computing Fundamentals
- Explore Quantum Algorithms and Their Cryptographic Implications
- Introduce Post-Quantum Cryptography
- Examine Quantum Key Distribution (QKD) as a Quantum-Safe Solution
- Discuss Quantum-Safe Cryptographic Protocols
- Encourage Critical Thinking and Discussions



Six Day

Faculty Development Program

On

ADVANCES OF CRYPTOGRAPHY USING QUANTUM COMPUTING

Dec 12-17, 2022

Organized by

DEPARTMENT OF INFORMATION
TECHNOLOGY



PRINCIPAL
J.K.K. MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.
GOBI (TK), ERODE (Dt).

J.K.K. MUNIRAJAH COLLEGE
OF TECHNOLOGY

T.N.Palayam,

Gobichettipalayam,

Erode – 638506.

ABOUT COLLEGE

J.K.K. Munirajah college of Technology was established in the year 2008 Governed by Annai J.K.K. Sampoorani Ammal Charitable Trust, primarily with the objective of delivering world class quality in Education and Training in a structured and systematic manner J.K.K.Munirajah group of Institutions was founded by J.K.K.Munirajah, who is a reputed industrialist, technocrat, an educationalist par excellence, an avid social worker, a person imbued in deep spiritual values and a philanthropist. The management has completed 25 years of dedicated service to the people of India and abroad in the field of Education. The Institution has an area of 250 acres of land richly endowed with beautiful Greenland. The college with its state-of-the-art infrastructural facilities and excellent academic records has earned recognition as one of the reputed educational institutions for men and women in India.

ABOUT DEPARTMENT

The J.K.K. Munirajah college of Technology has introduced the 4 years B.Tech course in (IT). In the year of 2008. The course was approved by AICTE and affiliated by ANNA University at Chennai. The department houses are well - furnished software lab with sufficient lab with sufficient power backup and computing facilities. The B.Tech (IT) refers to Management and use of Information using computer based tools. The terms include both hardware & software. The department has been offering excellent infrastructural facilities with variety of computing platforms. To transform the students into innovative component and high quality IT professionals to meet the growing global changes. The department uses modern aids such as scanner, Inkjet printer, dot matrix printer, LCT, OHP & Internet facilities for the benefit of the students.

CHIEF PATRON

**MRS. VASANTHAKUMARI MUNIRAJAH,
CHAIRMAN.**

PATRONS

**MRS. KASTHURIPRIYA KRIBAKARMURALI,
MBA.,
SECRETARY.**

PRINCIPAL

**Dr. K. SRIDHARAN,
M.E.,MBA.,Ph.D.,MISTE.**

RESOURCE PERSON

**Dr.T.SENTHILPRAKASH
ME, PhD PROFESSOR,
SVHEC**

PROGRAM DIRECTOR

**Dr. N. SATHIYABALAJI,
M.E., Ph.D.,**

PROGRAM CO-ORDINATORS

**Mr. E. ANANTH, M.E.,
Mrs. P. SASIREKA, M.E.,**

Contact Details

Mobile no: 9791847207

Email Id: Anandh@gmail.com

Five Day

Faculty Development Program

On

**“ADVANCES OF
CRYPTOGRAPHY USING
QUANTUM COMPUTING”**

Dec 12-17, 2022

REGISTRATION FORM

Name:

Designation & Dept:

Name of the Institute:

Address for Communication:

E-Mail:

Contact No:

Signature of the Candidate

Place:

Date:

Signature of the Principal

PRINCIPAL
J.K.K. MUNIRAJAH COLLEGE
OF TECHNOLOGY
T. N. BALAYAM (Po)-638588.
GOBI (Tn), ERODE (Dt).



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T.N. Palayam (Po), Gobi (Tk), Erode (Dt) – 638 506



ADVANCES OF CRYPTOGRAPHY USING QUANTUM COMPUTING

12.12.2022 to 17.12.2022

SCHEDULE PLAN

DATE	FORENOON		AFTERNOON
12.12.2022	Registration and Welcome, Seminar Overview and Objectives, Introduction to Quantum Computing	LUNCH BREAK	Basics of Cryptography, Quantum Cryptography Fundamentals
13.12.2022	Quantum Algorithms Overview, Shor's Algorithm and its Implications		Hands-on Workshop on Quantum Algorithms, Quantum-resistant Cryptography
14.12.2022	Overview of Post-Quantum Cryptography, Post-Quantum Cryptographic Algorithms		Practical Implementations of Post-Quantum Cryptography, Panel Discussion on the Future of Cryptography
15.12.2022	Quantum Key Distribution Concepts, Implementing Quantum Key Distribution		QKD Applications and Use Cases, Workshop on QKD Protocols
16.12.2022	Quantum-Safe Cryptographic Standards, Implementing Quantum-Safe Protocols		Case Studies on Quantum-Safe Implementations, Interactive Session on Quantum Cryptography Challenges
17.12.2022	Quantum Cryptography in Industry, Guest Speaker Session on Quantum Cryptography		Future Trends in Quantum Cryptography, Certificate Distribution and Closing Remarks

CO-ORDINATOR

PRINCIPAL
JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.
GOBI (TK), ERODE (DT).

PRINCIPAL



J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY

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"ADVANCES OF CRYPTOGRAPHY USING QUANTUM COMPUTING"

12.12.2022 to 17.12.2022

PARTICIPANTS LIST

S.NO	NAME OF THE FACULTY	DESIGNATION	SIGNATURE
1.	Dr.N.Sathyabalaji	Associate Professor and HOD	
2.	Dr.S.B.ManoojKumaar	Assistant Professor	
3.	Mrs.M.C.Savithiri	Assistant Professor	
4.	Mr.E.Ananth	Assistant Professor	
5.	Mrs.P.Sasireka	Assistant Professor	
6.	Mrs.V.Nirosha	Assistant Professor	
7.	Mr.D.Dharanitharan	Assistant Professor	
8.	Mr.S.Satheesh	Assistant Professor	
9.	Mr.K.S.Vinothan	Assistant Professor	
10.	Mr.R.Gnanasekar	Assistant Professor	
11.	Mrs.P.Poornapriya	Assistant Professor	
12.	Mrs.D.Nivethini	Assistant Professor	
13.	Mr.S.Sudhakar	Assistant Professor	
14.	Mr.A.Sampathkumar	Assistant Professor	
15.	Mrs.S.Kanimozhi	Assistant Professor	
16.	Mr.K.R.Vikneshwara	Assistant Professor	
17.	Mr.K.Kalaivendhan	Assistant Professor	
18.	Mr.M.Manikandan	Assistant Professor	

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OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.

19.	Mr.E.Vijayananth	Assistant Professor	<i>E. Vijayananth</i>
20.	Mrs.P.Sangeetha	Assistant Professor	<i>Sangeetha</i>



PROGRAM CO-ORDINATOR



PRINCIPAL



**PRINCIPAL
JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (Po)-638 508.
GOBI (TK), ERODE (Dt).**



J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY

Approved by AICTE, New Delhi And Affiliated to Anna University, Chennai.

Accredited by NAAC with "A" grade

T.N. Palayam (Po), Gobi (Tk), Erode (Dt) – 638 506

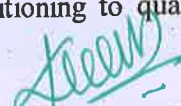


Name of Institution	J.K.K.MUNIRAJAH COLLEGE OF TECHNOLOGY
Name of Event Organized	FACULTY DEVELOPMENT PROGRAM
Title of the Event	ADVANCES OF CRYPTOGRAPHY USING QUANTUM COMPUTING
Date of Event Organized	12.12.2022 to 17.12.2022
No of Participants	20
Venue	Seminar Hall (A/C)
Name of Chief Guest/Speakers	Dr.T.SENTHILPRAKASH ME, PhD PROFESSOR, Shree Venkateshwara Hi-Tech Engineering College, Othakuthirai, Gobi, Erode- Dt.

Description/Conclusion:

Cryptography Using Quantum Computing has been an intellectually stimulating journey through the cutting edge of cryptographic innovations and the transformative potential of quantum computing. As we draw the curtain on this comprehensive event, we reflect on the key insights and the significant impact. Participants were immersed in the intricacies of quantum algorithms, particularly focusing on Shore's algorithm and its implications for breaking traditional cryptographic schemes.

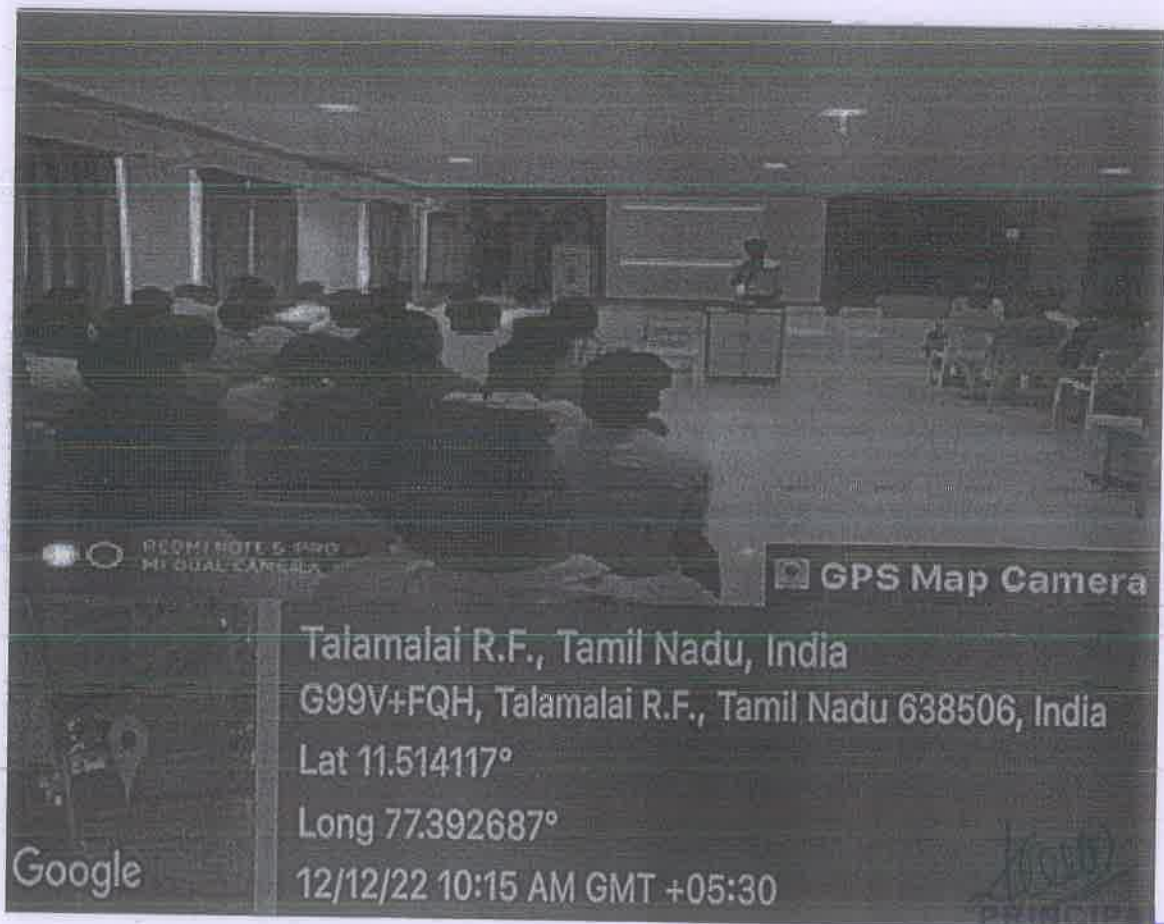
The seminar provided a deep dive into the quantum realm, unraveling the complex mathematics behind quantum computing. The seminar explored post-quantum cryptography, offering participants a forward-looking perspective on cryptographic algorithms that are resilient to quantum attacks. Understanding the importance of transitioning to quantum-safe standards was a central theme.


PRINCIPAL
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GOBI (TK), ERODE (Dt).

We would like to invite submissions to this Topic titled “Advances of Cryptography Using Quantum Computing” to collect the latest developments, advanced technologies, and applications in these fields. The topics of interest include but are not limited to:

- Quantum Algorithms Impacting Cryptography
- Post-Quantum Cryptography
- Quantum Key Distribution (QKD)
- Quantum-Safe Cryptographic Protocols
- Challenges and Future Directions

Quantum Computing impact on cryptography but has also sparked a dialogue around the imperative need for quantum-resistant cryptographic measures. As quantum computing continues to advance, the insights gained during this seminar are crucial for researchers, practitioners, and industry professionals.

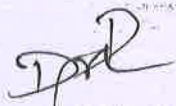


**JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY**

**Resource Person: Dr.T.SENTHILPRAKASH ME, Phd PROFESSOR, P.N. RAJANM (Po)-638 508,
Deliver the Advances of Cryptography Using Quantum Computing (Big Tk), ERODE (Dt).**

BENEFITS OF THE SEMINAR

- Quantum Algorithm Proficiency
- Post-Quantum Cryptography Expertise
- Quantum Key Distribution (QKD) Skills
- Real-World Implementation Insights
- Networking Opportunities
- Industry Perspectives



PROGRAM CO-ORDINATOR



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GOBI (Tk), ERODE (Dt).



PRINCIPAL

APPROVAL FOR ORGANISING AN AWARENESS PROGRAMME

From

Mr.V.MAGESH,
Assistant Professor & Head,
Department of Automobile Engineering,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.

To,

The Principal,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.

Respected Sir,

SUB: Requesting Permission to conduct FDP-Reg.

The department of Automobile Engineering has planned to organize a six days Faculty Development Program (FDP) in the topic of "**Electric Vehicles**" from **05.12.2022 to 10.12.2022**, for the benefit of our college department staff updates their knowledge. I am eagerly waiting for your feedback as I have to inform the entire faculty well in advance.

Thank You

Permitted
[Signature]

[Signature]
PRINCIPAL
JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.
GOBI (Tk), ERODE (Dt).

Yours Sincerely,

[Signature]
(Mr. V. Magesh)



J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY

Approved by AICTE, New Delhi And Affiliated to Anna University, Chennai.

Accredited by NAAC with "A" grade

T.N. Palayam (Po), Gobi (Tk), Erode (Dt) – 638 506



JKKMCT/CIRCULAR/NOV-2022


DATE: 25/11/2022

CIRCULAR

The Department of Automobile Engineering is planning to organize a Faculty Development program on "Electric Vehicles" for the benefit of faculty members from **05.12.2022 to 10.12.2022**. All the department staff members those who are interested to attend the program can enroll their names to their respective HoD's on or before 30/11/2022.

Copy To,

The Principal,
All the HoD's and Staff Members,
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OF TECHNOLOGY
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GOBI (TK), ERODE (Dt).

+ABOUT THE COLLEGE

J.K.K. Munirajah is a reputed industrialist, technocrat, an educationalist, and excellence in a void social worker, a person imbibed in deep spiritual values and a Philanthropist. J.K.K. Munirajah founded a Charitable Trust by name Annai J.K.K.Sampoorani Ammal Trust, Komarapalaym-638 183, Namakkal Dt., Tamilnadu in the year of 1971. J.K.K. Munirajah established many temples of leaving to perpetuate the ever lasting memory of his beloved mother. At present Annai J.K.K. Sampoorani Ammal Charitable Trust maintains and runs Paramedical institutions offering Diploma, Graduate and Post Graduate courses in Pharmacy, Nursing, Physiotherapy and Occupational Therapy at Komarapalayam, Namakkal Dt and a Polytechnic, Community Polytechnic and a Industrial Training Center at T.N.Palayam, Erode Dt. These educational institutions are temples of Learning and have contributed much to a formidable social change in our society. The Trust has won many National and State awards. They are renowned educational institutions spared nothing to promote knowledge, wisdom and service-orientation.

ABOUT THE DEPARTMENT

The Automobile Engineering Department was started in the year 2010. The department offers four years B. E -Automobile Engineering. The department has a team of highly qualified, dedicated and motivated faculty and well

equipped laboratories with facilities for UG. B.E has been accredited by AICTE, New Delhi. The goal of the Automobile engineering curriculum is to create a flexible undergraduate educational experience in design, mathematics, modeling, computing, management, and engineering science. Principal study topics include fluid mechanics, thermodynamics & heat transfer, solid mechanics, materials engineering, manufacturing, energy systems, dynamics & computer Aided Design (CAD) and others.

ABOUT THE PROGRAMME

An electric vehicle is a vehicle that uses one or more electric motors for propulsion. It can be powered by a collector system, with electricity from extravehicular sources, or it can be powered autonomously by a battery. EVs include but are not limited to road and rail vehicles, electric road vehicles include electric passengers, electric buses, electric trucks and personal transporters such as electric buggy, electric tricycles, electric bicycles and electric motorcycles/scooters. Early electric vehicles first came into existence in the late 19th century. When the second industrial revolution brought forth electrification. Using electricity was among the preferred methods for motor vehicle propulsion as it provides a level of quietness, comfort and ease of operation that could not be achieved by the gasoline engine cars of the time, but range anxiety due to the limited energy storage offered by contemporary battery technologies hindered of production.

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FACULTY DEVELOPMENT PROGRAM

On

ONE WEEK WORKSHOP ON

ELECTRIC VEHICLES

05-12-2022 to 10-12-2022

Organized by



Department Of Automobile Engineering

**J.K.K. MUNIRAJAH COLLEGE OF
TECHNOLOGY, T.N.PALAYAM**

**Tel No: 04285-260754-55, Fax: 04285-
260755. E-mail: jkkmechtrix@gmail.com,
Website: www.jkkmct.org**

(Signature)
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OF TECHNOLOGY
T.N. PALAYAM (PO)-638 506.
ERODE (Dt).

ORGANIZING COMMITTEE

Convener: S.GANESH KUMAR
Assistant Professor,
Automobile Engineering,
JKKMCT, Gobi

Coordinators: V.P.ARULMURUGAN,
Assistant Professor,
Automobile Engineering,
JKKMCT, Gobi

ONE WEEK WORKSHOP PROGRAM

On

ELECTRIC VEHICLES

Department Of Automobile Engineering

J.K.K. MUNIRAJAH COLLEGE

OF TECHNOLOGY,

T.N.PALAYAM

MOBILE: 9789444882

EMAIL : kongulion@gmail.com

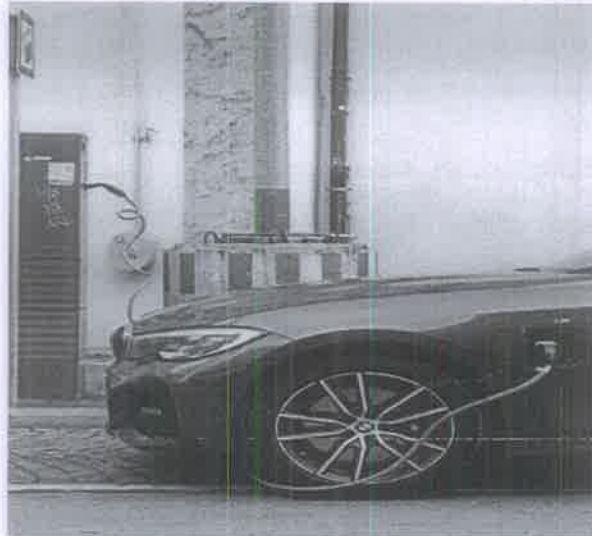
SESSION DETAILS

1. An introduction to Electric Vehicles.
2. Electric vehicles offer several advantages over traditional internal combustion engine vehicles.
3. Battery management and intermediate storage.

RESOURCE PERSONS

Mr. S.SARAVANAN M.E., M.B.A.,
HEAD TRAINING & DEVELOPMENT
ASIAN MOTORS
SIDCO Industrial Estate
Madurai- 625007

IMPORTANT DATES- Last Date for Receipt of
Registration form: 01-12-2022



**J.K.K. MUNIRAJAH COLLEGE OF
TECHNOLOGY**

T.N.PALAYAM

ONE WEEK WORKSHOP

On

ELECTRIC VEHICLES

05-12-2022 TO 10-12-2022

REGISTRATION FORM

Name:

Gender: **MALE/FEMALE**

Qualification:

Address for Communication:

.....
.....
.....


PIN.....

Email.....

Mobile No.....

Date:

Place:


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GOBI (Tk), ERODE (Dt).

Signature of the Applicant



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ELECTRIC VEHICLES 05.12.2022 to 10.12.2022

SCHEDULE

Date/Time	10.00am-11.30m	11.30am-11.45am	11.45am-1.00pm	1.00pm-2.00pm	2.00pm-4.00pm
05.12.2022	Inaugural Function	Tea Break	Reasons to Drive an Electric Vehicles	Lunch	Choosing Your Electric Vehicle
06.12.2022	Paying for Your Electric Vehicle and Charger	Tea Break	Living With Your EV	Lunch	Battery Electric Vehicles
07.12.2022	PHEV: Plug-in Hybrid Electric Vehicles	Tea Break	Choosing a Charging Approach	Lunch	Evaluating the Upfront Cost
08.12.2022	How Does Solar Work With an EV?	Tea Break	Energy and Motors	Lunch	Environmental Considerations
09.12.2022	Infrastructure Management	Tea Break	Alternative Fuel Vehicles	Lunch	Vehicle Classification by Propulsion System
10.12.2022	Benefits of Electrical Transportation	Tea Break	EV Trends and Developments	Lunch	Questions & Vote of Thanks

VP / [Signature]

PROGRAM CO-ORDINATOR

[Signature]

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GOBI (TK), ERODE (DT).

[Signature]
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"ELECTRIC VEHICLES"
05.12.2022 to 10.12.2022

PARTICIPANTS LIST

S.NO	NAME OF THE FACULTY	DESIGNATION	SIGNATURE
1.	S.KARTHIKEYAN	Assistant Professor	
2.	N.SANKAR	Assistant Professor	
3.	V.MAGESH	Assistant Professor	
4.	K.S.RAMESH	Assistant Professor	
5.	K.SRIRAM	HOD/MECH	
6.	T.S.THAMBIAN	Assistant Professor	
7.	S.M.PRANESH	Assistant Professor	
8.	A.VIGNESHKUMAR	Assistant Professor	
9.	G.PALANISAMY	Assistant Professor	
10.	J.GURUPRASATH	Assistant Professor	
11.	M.MOHANAMBIKA	Assistant Professor	
12.	G.RAMACHANDRAN	Assistant Professor	
13.	V.P.ARUL MURUGAN	Assistant Professor	
14.	S.GANESH KUMAR	Assistant Professor	
15.	A.VIGNESHKUMAR	Assistant Professor	
16.	G. PALANISAMY	Assistant Professor	
17.	M.SIVAKUMAR	Assistant Professor	
18.	E.DEEPAAJ	Assistant Professor	
19.	P.ESWARAN	Assistant Professor	


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GOBI (TK), ERODE (DT)

20.	R.DHIVYA	Assistant Professor	
21.	A.CHINNATHAMBI	Assistant Professor	
22.	P.MANIKANDAN	Assistant Professor	


PROGRAM CO-ORDINATOR


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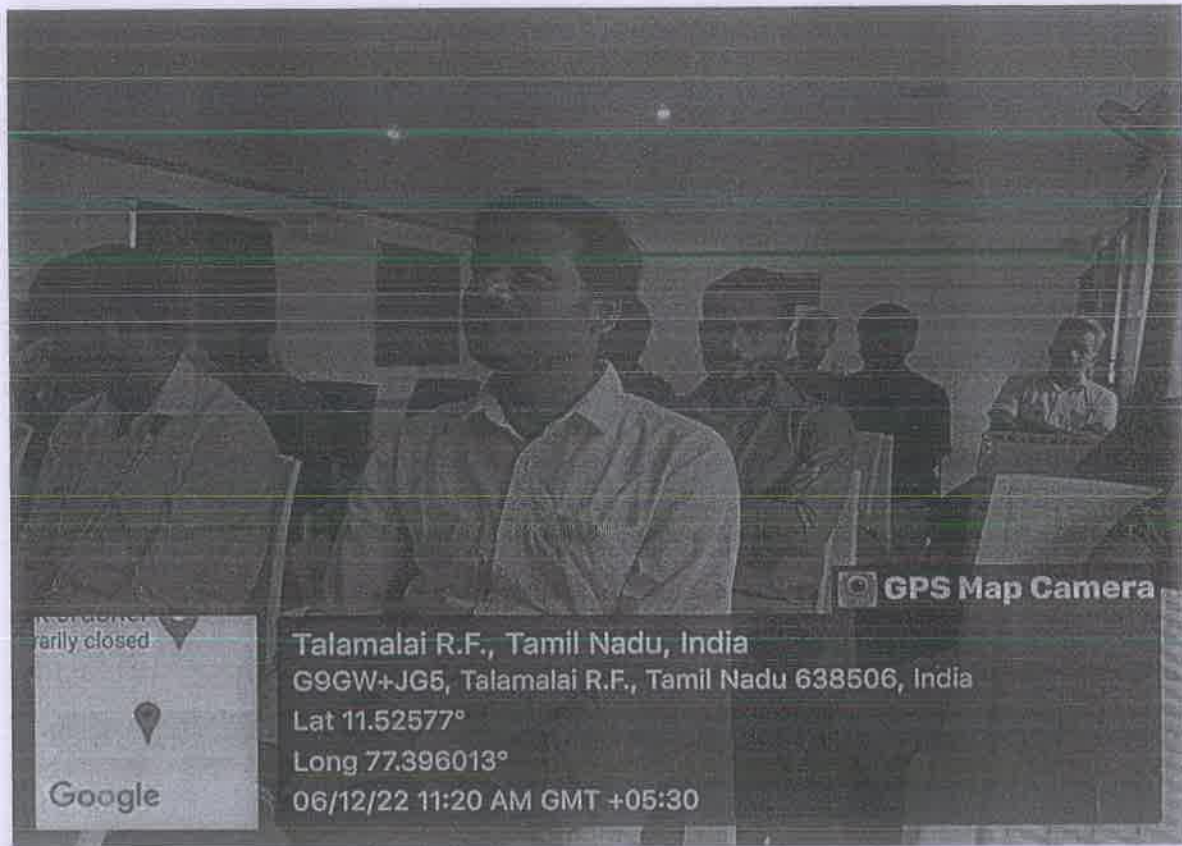
Name of Institution	J.K.K.MUNIRAJAH COLLEGE OF TECHNOLOGY
Name of Event Organized	FDP PROGRAM
Title of the Event	ELECRIC VEHICLES
Date of Event Organized	05.12.2022 to 10.12.2022
No of Participants	22
Venue	Mechanical smart class
Name of Chief Guest/Speakers	Mr. S.SARAVANAN M.E., M.B.A., HEAD TRAINING & DEVELOPMENT ASIAN MOTORS SIDCO Industrial Estate Madurai- 625007

Description/Conclusion:

Technology is continuously advancing, which has allowed for electric vehicle usage to become more and more feasible to travel far distances. Many high grade electric vehicles, such as the Tesla Model S, can easily travel long distances with the given network of charging stations located in Canada. Not only can these high grade electric vehicles travel the distance, but they save money on gas and help promote sustainable travel. However, these vehicles do come with a high price tag, which can be a deterrent for most working class families. Based on buffer areas, the Ford Focus (standard electric vehicle) can almost travel the entire route. Moving forward, this data could be presented to CAA to show them locations of the 8 extra charging stations that would need to be included to make traveling from Vancouver to Toronto a possibility. If CAA were to input these 8 charging stations, it would make traveling long distances with standard electric cars more feasible. Working class families could then justify purchasing electric

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vehicles, which would in turn create a higher demand for electric vehicle production and therefore a higher demand for level 3 charging stations. Together, this would promote environmentally responsible travel options and lessen the amount of gasoline powered vehicles on the road.



**Mr. S.SARAVANAN M.E., M.B.A., HEAD TRAINING & DEVELOPMENT,
ASIAN MOTORS, SIDCO Industrial Estate, Delivered about Electric Vehicles.**

VP Arora
PROGRAM CO-ORDINATOR

Teerth
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T.N. PALAYAM (Po)-638 508,
GOBI (Tk), ERODE (Dt).

Teerth
PRINCIPAL

**APPROVAL FOR ORGANISING A FACULTY
DEVELOPMENT PROGRAMME**

From

Dr. C. Saravanan,
Professor & Head,
Department of Electrical & Electronics Engineering
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.

To,

The Principal,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.


Respected Sir,

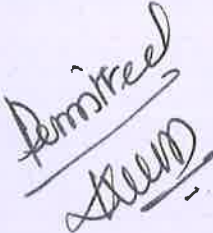
SUB: Requesting Permission to conduct FDP-Reg.


The department of Electrical & Electronics Engineering has planned to organize a seven days Faculty Development Program (FDP) in the topic of "Advances in Power Electronics for Smart Grid, Renewable Energy Systems and Electric Vehicle Technology." from **21.11.2022 to 26.11.2022**. For the benefit of our college department staff updates their knowledge about the Electric vehicle overall technology. I am eagerly waiting for your feedback as I have to inform the entire faculty well in advance.

Thank You

Yours Sincerely,


(Dr. C. Saravanan)




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JKKMCT/CIRCULAR/NOV-2022


DATE: 15/11/2022


CIRCULAR

The Department of Electrical & Electronics Engineering is planning to organize a Faculty Development program on "Advances in Power Electronics for Smart Grid, Renewable Energy Systems and Electric Vehicle Technology" for the benefit of faculty members from **21.11.2022 to 26.11.2022**. All the department staff members those who are interested to attend the program can enroll their names to their respective HoD's on or before 19/11/2022.

Copy To,

The Principal,
All the HoD's and Staff Members,
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OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.
GOBI (Tk), ERODE (Dt).

REGISTRATION FORM

Six Days

Faculty Development Programme on
Advances in Power Electronics for Smart
Grid, Renewable Energy Systems and
Electric Vehicle Technology

21-11-2022 to 26-11-2022

Name: _____
Designation: _____
Qualification: _____
Department: _____
Institution: _____
Experience: _____
Communication Address: _____

Email ID: _____
Mobile No: _____

DECLARATION

I declare that all the details furnished above are true to the best of my knowledge and I agree to abide by the rules and regulations governing the conduct of the program.

Date: _____ Place: _____

Signature of Applicant

SPONSERSHIP CERTIFICATE

Mr./Mrs./Dr.....is an employee of our Institute/Organization and is hereby sponsored for the above Faculty Development Programme He/She will be permitted to attend FDP,if Selected

Signature & Seal of HoD

REGISTRATION

- No Registration fee to attend the Programme.
- Filled-in registration form shall be sent by post to the address mentioned below, and the scanned copy of filled in registration form should be through e-mail.

ELIGIBILITY AND SELECTION

- Faculty from AICTE Approved Engineering and Polytechnic College participants from the industry, Government organizations.
- Research Scholars, PG Scholars selection will be based first cum first serve as the total number of seats is restricted to 40.
- Selected participants should attend the complete duration of FDP and score minimum marks in the test that will be conducted at the end of the FDP to receive the certificates.

CONTACT DETAILS

The Coordinator,
Faculty Development Programme,
Department of EEE,
J.K.K.Munirajah College of Technology,
T.N.Palayam-638506.
Mobile No. 9994050500
E-mail Id: hodeee@jkkmct.edu.in

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J.K.K.MUNIRAJAH COLLEGE

OF TECHNOLOGY

T.N.PALAYAM-638506.

ERODE (TN).

Six Days Online Faculty Development Programme

ON

Advances in Power Electronics for Smart
Grid, Renewable Energy Systems and
Electric Vehicle Technology.

21-11-2022 to 26-11-2022

SPONSERD BY



Organized by

Department of Electrical and Electronics
Engineering

J.K.K.MUNIRAJAH COLLEGE
OF TECHNOLOGY

T.N.Palayam, Gobi,

Erode, Tamilnadu-638506

CHIEF PERSON

Dr.P.KARUPPUSAMY,ME, PhD
PROFESSOR

Sree Venkateshwara Hi-Tech Engineering
College.

SCOPE OF THE PROGRAM

The importance of Power Electronics has grown over the years due to several factors. Power Electronics is interdisciplinary in nature and used in a wide variety of areas such as Smart Grid, Electric Vehicle Technology, Renewable Energy Systems etc. Smart Grid technology is an advanced technology developed in the recent years as a critical competence of traditional power networks with reliable and efficient operation across a wide range of industries. Renewable sources of energies are often employed in smart grid and local electricity distribution system which is operated in a controlled way and includes both electricity users and utility. Also, Electric Vehicle (EV) is one of the increasing popular options for people who are conscious about environmental pollution, global warming and health issues. The global share of Electric vehicles will increase from 2% in 2020 to 22% in 2030. The ability to deliver the technical information of these three major areas to the right audience at the right time is a valuable skill. This Faculty Development Programme (FDP) is designed to enrich the knowledge of the participants and provide a basic platform to carry out research in these fields which will also be useful for the development of the country.

Programmes Offered by Department

- B.E - Degree in Electrical and Electronics Engineering.
- M.E - Degree in Power Electronics and Drives

RESOURCE PERSON

The sessions will be delivered by eminent professors from IIT, NIT, NIWE, NISE, Foreign Universities, Central Universities and industrialists from GE, ABB, Danfoss, HCL, Schneider Electric, Vestas etc.

COURSE CONTENT

The following are the course contents that will be discussed in the Faculty Development Training Programme. Theoretical developments and advances in power electronic technologies and techniques for Smart Grid, Renewable Energy Systems (RES) and Electric Vehicle (EV) Advances in power electronic interfaces for Smart Grid, RES and EV. Power electronic converters (including inverters, rectifiers, cyclo-converters, etc.) in Smart Grid, RES and EV. Energy storage systems in Smart Grid, RES and EV. Power quality studies and stability analysis in interface of Smart Grid, RES and EV. Importance of Power Electronics in Distributed Generation.

ABOUT THE INSTITUTION

J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY was established in the year 2008. Governed by Annai J.K. Sampoorani Ammal Charitable Trust, primarily with the objective of delivering world class quality in Education and Training in a structured and systematic manner. J.K.K.Munirajah group of Institutions was founded by J.K.K.Munirajah, who is a reputed industrialist, technocrat, an educational par excellence, an avid social worker, a person imbued in deep spiritual values and a philanthropist. The management has completed 25 years of dedicated service to the people of India and abroad in the field of Education. The Institution has an area of 250 acres of land richly endowed with beautiful Greenland. The college with state-of-the-art infrastructural facilities and excellent academic records has earned recognition as one of the reputed educational institutions for men and women in India.

ABOUT THE DEPARTMENT

The J.K.K. Munirajah college of Technology has introduced the 4-year courses are B.E (Electrical and Electronics Engineering) in the year of 2008. The course was approved by AICTE, New Delhi and is affiliated by ANNA University at Chennai. The Electrical and Electronic Engineering strives towards Updating the syllabus so that the students are always equipped with advanced technology to meet Industry standard Hi tech Laboratories also render the necessary expertise.



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ADVANCES IN POWER ELECTRONICS FOR SMART GRID, RENEWABLE ENERGY SYSTEMS AND ELECTRIC VEHICLE TECHNOLOGY

21.11.2022 to 26.11.2022

SCHEDULE PLAN

DATE	FORENOON		AFTERNOON
21.11.2022	Inaugural function Introduction to Power Electronics Overview of power electronics fundamentals Applications in smart grid and renewable energy systems	LUNCH BREAK	Introduction to smart grid concepts and components, Role of power electronics in smart grid integration, Power Converters for Smart Grid Various types of power converters used in smart grid applications Control strategies and challenges
22.11.2022	Solar Photovoltaic Systems Principles of solar energy conversion Power electronic interfaces for solar PV systems, Wind Energy, Conversion Systems, Basics of wind energy conversion, Power electronic converters for wind turbines		Integration of Renewable Energy into the Grid, Challenges and solutions for grid integration of renewable energy Role of power electronics in renewable energy integration
23.11.2022	Electric Vehicle Basics Overview of electric vehicle technology, Types of electric vehicles and their power electronics requirements, Electric Vehicle Charging Infrastructure		Charging standards and protocols Power electronics in electric vehicle charging stations, Battery management Systems, Power electronics for battery charging and discharging, Battery management strategies for electric vehicles
24.11.2022	Advanced Power Semiconductor Devices, Overview of advanced power semiconductor devices Applications in smart grid and renewable energy systems, Power Electronics for Grid Stability		Control techniques for improving grid stability, Power electronics solutions for voltage and frequency regulation, Energy Storage Systems, Power electronics in energy storage applications, Integration of energy storage with smart grid and renewable energy systems
25.11.2022	Case Studies in Power Electronics Real-world applications of power electronics in smart grid, renewable energy, and electric vehicles Success stories and lessons learned,		Research Trends and Future Directions Emerging trends in power electronics research, Future prospects and challenges in the field
26.11.2022	Hands-on Demonstrations Practical demonstrations of power electronics circuits and systems Interactive sessions with equipment and software tools		Conclusion and Feedback Summary of key takeaways from the seminar, Feedback session for participants to share their thoughts and suggestions

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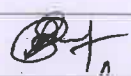
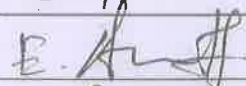

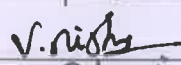
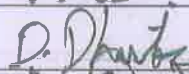
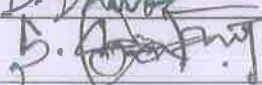

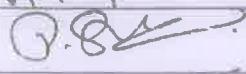
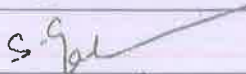
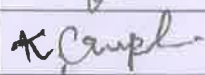


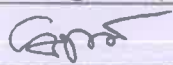
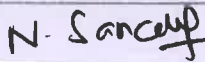
"ADVANCES IN POWER ELECTRONICS FOR SMART GRID, RENEWABLE ENERGY SYSTEMS AND ELECTRIC VEHICLE TECHNOLOGY"

21.11.2022 to 26.11.2022

PARTICIPANTS LIST


S.NO	NAME OF THE TEACHER	DESIGNATION	SIGNATURE
1.	T.S.THAMBIRAN	Associate Professor	
2.	S.M.PRANESH	Assistant Professor	
3.	A. VIGNESHKUMAR	Assistant Professor	
4.	G. RAMACHANDRAN	Assistant Professor	
5.	C .SASIKUMAR	Assistant Professor	
6.	S .SATHEESHKUMAR	Assistant Professor	
7.	G.PALANISAMY	Assistant Professor	
8.	R.DHIVYA	Assistant Professor	
9.	N. GOMATHI	Assistant Professor	
10.	R. KOKILA	Assistant Professor	
11.	S. ABINAYA	Assistant Professor	
12.	U. SASIKALA	Assistant Professor	
13.	B.P.BRIGHT THANGA MAHIZH	Assistant Professor	
14.	P.DHAKSHINA MOORTHY	Assistant Professor	
15.	P.JAGADISH KANNAN	Assistant Professor	
16.	N. NAVINDRAN	Assistant Professor	


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17.	M.C.SAVITHIRI	Assistant Professor	
18.	E.ANANTH	Assistant Professor	
19.	P.SASIREKA	Assistant Professor	
20.	V.NIROSHA	Assistant Professor	
21.	D.DHARANITHARAN	Assistant Professor	
22.	S.SATHEESH	Assistant Professor	
23.	V.P.ARUL MURUGAN	Assistant Professor	
24.	P.ESWARAN	Assistant Professor	
25.	S.GANESH KUMAR	Assistant Professor	
26.	K.GOPALA KRISHNAN	Assistant Professor	
27.	S.KARTHIKEYAN	Assistant Professor	
28.	M.SIVAKUMAR	Assistant Professor	
29.	K.S.RAMESH	Assistant Professor	
30.	N.SHANKAR	Assistant Professor	


PROGRAM CO-ORDINATOR


PRINCIPAL


PRINCIPAL
JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (Po)-638 508,
GOBI (Tk), ERODE (Dt).



J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY

Approved by AICTE, New Delhi And Affiliated to Anna University, Chennai.

Accredited by NAAC with "A" grade

T.N. Palayam (Po), Gobi (Tk), Erode (Dt) – 638 506



Name of Institution	J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY
Name of Event Organized	FACULTY TRAINING PROGRAM (FDP)
Title of the Event	ADVANCES IN POWER ELECTRONICS FOR SMART GRID, RENEWABLE ENERGY SYSTEMS AND ELECTRIC VEHICLE TECHNOLOGY
Date of Event Organized	21.11.2022 to 26.11.2022
No of Participants	30
Venue	Seminar Hall (A/C)
Name of Chief Guest/Speakers	Dr. P. KARUPPUSAMY, ME, Ph.D., Professor & Head, Department of Electrical & Electronics Engineering, Shree Venkateshwara Hi-Tech Engineering College, Othakuthirai, Gobi Tk, Erode DT.

Description/Conclusion:

The seminar on "Advances in Power Electronics for Smart Grids, Renewable Energy Systems, and Electric Vehicle Technology" will delve into the cutting-edge developments that are reshaping the landscape of power electronics in the context of modern energy challenges. This seminar aims to provide a comprehensive understanding of the latest advancements and innovations driving the transformation of the power sector. This seminar is designed for professionals, researchers, engineers, and students in the fields of electrical engineering, power systems, and renewable energy.

We would like to invite submissions to this Topic titled "Advances in Power Electronics for Smart Grid, Renewable Energy Systems and Electric Vehicle Technology" to collect the latest developments, advanced technologies, and applications in these fields.

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The topics of interest include but are not limited to:

- Smart Grid Technologies
- Renewable Energy Systems
- Electric Vehicle Technology
- Grid Modernization
- Energy Management Systems
- Emerging Technologies
- Case Studies and Real-World Applications
- Future Prospects and Challenges

The running cost of an electric vehicle is much lower than an equivalent petrol or diesel vehicle. Electric vehicles use electricity to charge their batteries instead of using fossil fuels like petrol or diesel. Electric vehicles are more efficient, and that combined with the electricity cost means that charging an electric vehicle is cheaper than filling petrol or diesel for your travel requirements. The electricity cost can be reduced further if charging is done with the help of renewable energy sources installed at home, such as solar panels.



Resource Person: **Dr.P.KARUPPUSAMY ME, Ph.D.** SVHEC, deliver the EV vehicle


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BENEFITS OF ELECTRIC VEHICLES

- Knowledge Enhancement
- Professional Development
- Networking Opportunities
- Technology Transfer and Implementation
- Technology Transfer and Implementation
- Strategic Decision-Making
- Career Advancement
- Contribution to Sustainability.


PROGRAM CO-ORDINATOR


PRINCIPAL


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GOBI (Tk), ERODE (Dt).

APPROVAL FOR ORGANISING A SIX DAYS WORKSHOP

From

Mrs.V. Mohanapriya ,
Assistant Professor & Head,
Department of Civil Engineering
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.

To,

The Principal,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.


Respected Sir,

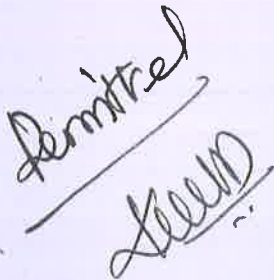
SUB: Requesting Permission to conduct Six Days Workshop - Reg.


The department of Civil Engineering has planned to organize a six days Workshop in the topic of **"RECENT TRENDS AND RESEARCH SCOPE IN CIVIL ENGINEERING"** from **14.11.2022 to 19.11.2022**. For the benefit of our civil engineering students updates their knowledge about the Research Scope in Civil Engineering. I am eagerly waiting for your feedback as I have to inform the entire students well in advance.

Thank You

Yours Sincerely,


(V.Mohanapriya)




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JKKMCT/CIRCULAR/NOVEMBER-2022

DATE: 07/11/2022

CIRCULAR


The Department of Civil Engineering is planning to organize a Six Days Workshop on "RECENT TRENDS AND RESEARCH SCOPE IN CIVIL ENGINEERING" the benefit of Civil Staffs from 14.11.2022 to 19.11.2022. All the department Staffs those who are interested to attend the program can enroll their names to their respective HoD's on or before 11/11/2022.


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Copy To,

The Principal,
All the HoD's and Staff Members,
IQAC File
Notice Board


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T.N. PALAYAM (Po) - 638 506.
GOBI (TK), ERODE (Dt).

ABOUT THE COLLEGE

J.K.K.Munirajah is a reputed industrialist, technocrat, an educationalist, and excellence in a void social worker, a person imbued in deep spiritual values and a Philanthropist. J.K.K.Munirajah founded a Charitable Trust by name Annai J.K.K.Sampoorani Ammal Trust, Komarapalayam-638 183, Namakkal Dt., Tamilnadu in the year of 1971. J.K.K.Munirajah established many temples of leaving to perpetuate the ever lasting memory of his beloved mother. At present Annai J.K.K.Sampoorani Ammal Charitable Trust maintains and runs Paramedical Institutions offering Diploma, Graduate and Post Graduate courses in Pharmacy, Nursing, Physiotherapy and Occupational Therapy at Komarapalayam, Namakkal Dt and a Polytechnic, Community Polytechnic and a Industrial Training Center at T.N.Palayam, Erode Dt. These educational Institutions are temples of Learning and have contributed much to a formidable social change in our society. The Trust has won many National and State awards. They are renowned educational institutions spared nothing to promote knowledge, wisdom and service-orientation.

ABOUT THE DEPARTMENT

The Civil Engineering Department was started in 2011 with the primary

objective to disseminate the knowledge above latest technologies in Civil Engineering to the students so that they cater the demand of builders/contractors and construction industry in and around the world. The educational objectives are designed to produce competent engineers as to the needs of the country and to contribute effectively to the advancement of civil engineering causes to accommodate the needs of the community. The department has well equipped classrooms & labs. Classes are spacious, well furnished & well ventilated for providing a good environment for students for learning.

ABOUT THE PROGRAMME

The main Objective of the Two Days' Workshop is to disseminate recent trends in the field of Civil Engineering. The Program focuses on emerging Research areas in different domains of Civil Engineering like Structural Engineering, Geotechnical Engineering, Transportation Engineering, and Water Resources Engineering etc.



J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY

T.N.PALAYAM

SIX DAYS WORKSHOP

On

RECENT TRENDS AND
RESEARCH SCOPE IN CIVIL
ENGINEERING

14.11.2022 to 19.11.2022

Organized by



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J.K.K. MUNIRAJAH COLLEGE
OF TECHNOLOGY

Department of Civil Engineering
T.N. PALAYAM
GOBI (Tk), ERODE (Dt).

J.K.K. MUNIRAJAH COLLEGE OF
TECHNOLOGY, T.N.PALAYAM

Tel No: 04285-260754-55, Fax: 04285-
260755. E-mail: jkkmechtrix@gmail.com,
Website: www.jkkmct.org

ORGANIZING COMMITTEE

Convener: Mrs. MOHANAPRIYA V

Assistant Professor,
Civil Engineering,
JKKMCT, Gobi

Coordinators: Mrs.P.REENA, R,

Assistant Professor,
Civil Engineering,
JKKMCT, Gobi

Ms.SATHIYAPRIYA V

Assistant Professor,
Civil Engineering,
JKKMCT, Gobi

SIX DAYS WORKSHOP

On

RECENT TRENDS AND RESEARCH SCOPE IN CIVIL ENGINEERING

Department Of Civil Engineering

**J.K.K. MUNIRAJAH COLLEGE OF
TECHNOLOGY, T.N.PALAYAM**

SESSION DETAILS

- Sustainable Infrastructure
- BIM Interoperability mode
- Concepts of buckling analysis and design of structural members.
- Theoretical behavior of beam and column elements
- To perform microscopic simulation of road network
- Necessary tools, techniques used for transportation engineering
- Tunnelling & Underground Space
- Off-shore Geo technics
- Revamp knowledge of Water Resources Engineering

RESOURCE PERSONS

**Dr.A.GOPALAN,
ASSOCIATE PROFESSOR**

IMPORTANT DATES

Last Date for Registration form: 11.11.2022

CONTACT NUMBER:

Mobile:8675834476

Email:mohanapriyav@gmail.com

J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY

T.N.PALAYAM

SIX DAYS WORKSHOP

On

RECENT TRENDS AND RESEARCH SCOPE IN CIVIL ENGINEERING

14.11.2022 to 19.11.2022

Organized by

REGISTRATION FORM

Name:

Gender: MALE/FEMALE

Qualification:

Address for Communication:

PIN:

Email:.....

Mobile No.....

Date:

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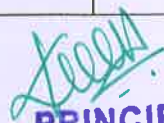
RECENT TRENDS AND RESEARCH SCOPE IN CIVIL ENGINEERING

14.11.2022 to 19.11.2022

SCHEDULE PLAN

DATE	FORENOON		AFTERNOON
14.11.2022	Inauguration sustainable Infrastructure,	LUNCH BREAK	Building Information Modeling (BIM)
15.11.2022	Smart Cities and IOT Integration,		Resilient and Disaster-Resistant Structures
16.11.2022	Advanced Materials		Robotics and Automation
17.11.2022	Geotechnical Engineering Advances:		Transportation Engineering Innovations
18.11.2022	Traffic Engineering, Micro Simulation of road Network		Energy-Efficient Buildings
19.11.2022	Water Resources and Environmental Engineering		Feedback, Queries and Discussion, Certificate Distribution Function


PROGRAM CO-ORDINATOR


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“RECENT TRENDS AND RESEARCH SCOPE IN CIVIL ENGINEERING”

14.11.2022 to 19.11.2022

PARTICIPANTS LIST

S.NO	NAME OF THE STUDENTS	DEPARTMENT	SIGNATURE
1.	MOHANAPRIYA V	HOD/CIVIL	
2.	SATHIYAPRIYA V	Assistant Professor	
3.	RUTHISHKUMAR G	Assistant Professor	
4.	NANDHAKUMAR R	Assistant Professor	
5.	VENKATESH R	Assistant Professor	
6.	REENA P	Assistant Professor	
7.	G.HARNI	Assistant Professor	
8.	N.DHIVYABHARATHI	Assistant Professor	
9.	K.SRIRAM	HOD/MECH	
10.	M.THIYAKARAJAN	Assistant Professor	
11.	M.SIVAKUMAR	Assistant Professor	
12.	S.KARTHIKEYAN	Assistant Professor	
13.	K.S.RAMESH	Assistant Professor	
14.	Dr .N.SANKAR	Assistant Professor	
15.	E.PRABHURAJ	Assistant Professor	
16.	K.GOVINTHASAMY	Assistant Professor	
17.	C.MUKUNDHAN	Assistant Professor	

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18.	V.SABARIVASAN	Assistant Professor	V. Sabari
19.	P.SURESH	Assistant Professor	P. Suresh
20.	E.DEEPARAJ	Assistant Professor	E. Deeparaj

P. Runt

PROGRAM CO-ORDINATOR

[Signature]

PRINCIPAL

[Signature]

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RECENT TRENDS AND RESEARCH SCOPE IN CIVIL ENGINEERING

REPORT

Name of Institution	J. K. K. MUNIRAJAH COLLEGE OF TECHNOLOGY
Name of Event Organized	SIX DAYS WORKSHOP PROGRAM
Title of the Event	RECENT TRENDS AND RESEARCH SCOPE IN CIVIL ENGINEERING
Date of Event Organized	14.11.2022 to 19.11.2022
No of Participants	20
Venue	SEMINAR HALL (A/C)
Name of Chief Guest/Speakers	Dr .A.GOPALAN, ASSOCIATE PROFESSOR, ERODE SENGUNTHAR ENGINEERING COLLEGE, THUDUPATHI, PERUNDURAI, ERODE DT.

Description/Conclusion:

Recent trends in civil engineering reflect a shift towards sustainability, digitalization, and resilience. The integration of smart technologies, advanced materials, and innovative construction techniques is shaping the future of the field. Ongoing research opportunities exist in optimizing existing technologies, exploring new materials, and addressing the challenges posed by urbanization, climate change, and

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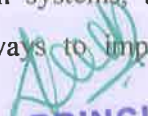
evolving infrastructure needs. Civil engineers play a crucial role in creating infrastructure that not only meets current demands but is also adaptable and sustainable for the future. This Programme/course designed with purpose to enhance the integration of civil smart technologies learning to the Student and staff members.

In our growing focus on sustainability, civil engineers are increasingly incorporating eco- friendly materials, renewable energy sources, and efficient design practices to create sustainable infrastructure. Research is ongoing to develop innovative materials, construction methods, and life- cycle assessments for infrastructure projects. The concept of smart cities involves integrating information and communication technologies (ICT) to enhance the efficiency and performance of urban services. Civil engineers are exploring ways to incorporate the Internet of Things (IoT) in infrastructure to improve monitoring, maintenance, and overall management of city systems.

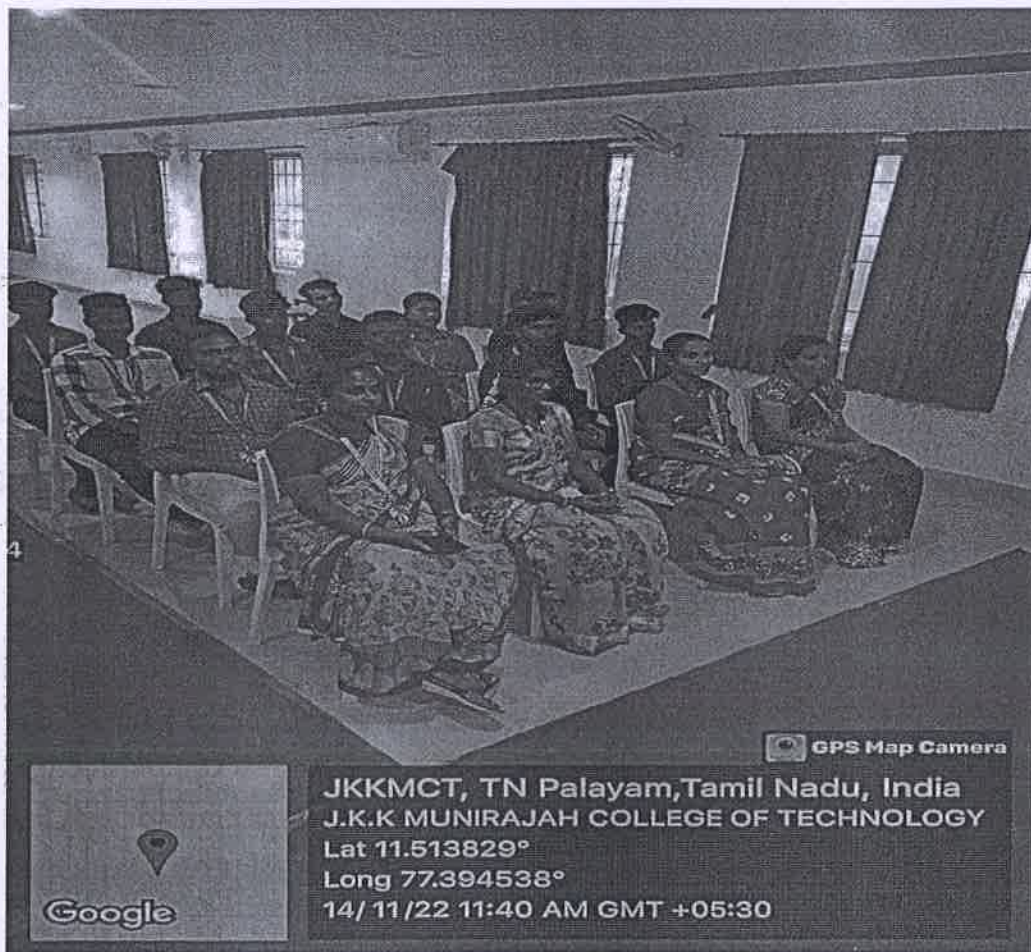
The Climate change and the increasing frequency of natural disasters have led to a focus on designing structures that can withstand extreme conditions. Research in this area includes developing resilient materials, designing earthquake-resistant structures, and implementing strategies for disaster mitigation and recovery. Civil engineers are exploring the use of advanced materials such as high-performance concrete, self-healing materials, and innovative composites to enhance the durability, strength, and sustainability of structures. BIM is a digital representation of the physical and functional characteristics of a building or infrastructure. It is widely used for design, construction, and operation.

In On-going research is aimed at improving BIM technologies and expanding their applications in civil engineering projects. Automation and robotics are increasingly being used in construction and maintenance activities. Research is focused on developing autonomous construction equipment, drones for surveying, and robotic systems for tasks such as inspection and maintenance. Research in geotechnical engineering involves exploring new methods for ground improvement, slope stability analysis, and foundation design.

This is crucial for ensuring the stability and safety of structures. Advancements in transportation engineering include research on intelligent transportation systems, autonomous vehicles, and sustainable transportation solutions. Engineers are also exploring ways to improve traffic management and reduce congestion


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In our research of this particular area includes sustainable water management, water treatment technologies, and environmental impact assessments. Civil engineers are working on solutions to address water scarcity, pollution, and the impact of climate change on water resources. With a focus on reducing energy consumption, civil engineers are involved in research on energy-efficient building designs, renewable energy integration, and green construction practices.



Seminar on Recent Trends and Research Scope in Civil Engineering Delivered about Dr .A. Gopalan,
Associate Professor, Erode Sengunthar Engineering College,

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GOBI (Tk), ERODE (Dt).

P. Senthil
PROGRAM CO-ORDINATOR

A. Gopalan
PRINCIPAL

APPROVAL FOR ORGANISING AN AWARENESS PROGRAMME

From

Mr.V.MAGESH,
Assistant Professor & Head,
Department of Automobile Engineering,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.

To,

The Principal,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.

Respected Sir,

SUB: Requesting Permission to conduct FDP-Reg.

The department of Automobile Engineering has planned to organize a five days Faculty Development Program (FDP) in the topic of "**Industrial power plants**" from **03.10.2022 to 07.10.2022**, for the benefit of our college department staff updates their knowledge. I am eagerly waiting for your feedback as I have to inform the entire faculty well in advance.

Thank You

Permitted
[Signature]

Yours Sincerely,

[Signature]
(Mr. V. Magesh)

[Signature]
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T.N. PALAYAM (Po)-638 506.
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JKKMCT/CIRCULAR/SEP-2022


DATE: 22/09/2022


CIRCULAR

The Department of Automobile Engineering is planning to organize a Faculty Development program on “Industrial Power Plants” for the benefit of faculty members from 03.10.2022 to 07.10.2022. All the department staff members those who are interested to attend the program can enroll their names to their respective HoD's on or before 28/09/2022.

Copy To,

The Principal,
All the HoD's and Staff Members,
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T.N. PALAYAM (Po)-638 506.
GOBI (Tk), ERODE (Dt).

ABOUT THE COLLEGE

J.K.K. Munirajah is a reputed industrialist, technocrat, an educationalist, and excellence in a void social worker, a person imbibed in deep spiritual values and a Philanthropist. J.K.K. Munirajah founded a Charitable Trust by name Annai J.K.K.Sampoorani Ammal Trust, Komarapalaym-638 183, Namakkal Dt., Tamilnadu in the year of 1971. J.K.K. Munirajah established many temples of leaving to perpetuate the ever lasting memory of his beloved mother. At present Annai J.K.K. Sampoorani Ammal Charitable Trust maintains and runs Paramedical Institutions offering Diploma, Graduate and Post Graduate courses in Pharmacy, Nursing, Physiotherapy and Occupational Therapy at Komarapalayam, Namakkal Dt and a Polytechnic, Community Polytechnic and a Industrial Training Center at T.N.Palayam, Erode Dt. These educational Institutions are temples of Learning and have contributed much to a formidable social change in our society. The Trust has won many National and State awards. They are renowned educational institutions spared nothing to promote knowledge, wisdom and service-orientation.

ABOUT THE DEPARTMENT

The Automobile Engineering Department was started in the year 2010. The department offers four years B. E -Automobile Engineering. The department has a team of highly qualified, dedicated and motivated faculty and well

equipped laboratories with facilities for UG. B.E has been accredited by AICTE, New Delhi. The goal of the Automobile engineering curriculum is to create a flexible undergraduate educational experience in design, mathematics, modeling, computing, management, and engineering science. Principal study topics include fluid mechanics, thermodynamics & heat transfer, solid mechanics, materials engineering, manufacturing, energy systems, dynamics & computer Aided Design (CAD) and others.

ABOUT THE PROGRAMME

Studying the energy sector has accelerated technical progress in thermal power plants technology. One of the most important objectives in the development of thermal power plants is to optimize the plant heat rate. The power producers recognize that the low-cost, low-emissions and most efficient thermal power plants are becoming workhorses in the power generation industry. The primary objective of this FDP is to review the factors effecting thermal power plant heat rate and efficiency. The latest development in the thermal power plant design is presented. Techniques to accurately measure the DCS I/O points and the resulting effect on the efficient and reliable plant operation are reviewed. The importance of training the plant operators through real time dynamic and plant replicated simulators is presented. The seminar concluded with an open brain storming session to discuss thermal power plant related queries and issues.

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FACULTY DEVELOPMENT PROGRAM

On

ONE WEEK WORKSHOP ON INDUSTRIAL POWER PLANTS

03-10-2022 to 07-10-2022

Organized by



Department Of Automobile Engineering

J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY, T.N.PALAYAM

Tel No: 04285-260754-55, Fax: 04285-260755. E-mail: jkkmechtrix@gmail.com,

Website: www.jkkmct.org

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J.K.K. MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (T.N.)-638 506.
SOD (T.N.)-638 506 (Dt).

ORGANIZING COMMITTEE

Convener : S.GANESH KUMAR
Assistant Professor,
Automobile Engineering,
JKKMCT, Gobi

Coordinators: V.P.ARULMURUGAN,
Assistant Professor,
Automobile Engineering,
JKKMCT, Gobi

ONE WEEK WORKSHOP PROGRAM

On

INDUSTRIAL POWER PLANTS

Department Of Automobile Engineering

J.K.K. MUNIRAJAH COLLEGE

OF TECHNOLOGY,

T.N.PALAYAM

MOBILE: 9789444882

EMAIL : kongulion@gmail.com

SESSION DETAILS

- 1.The primary objective of this FDP is to review the factors effecting thermal power plant.
2. Heat rate and efficiency.
3. The latest development in the thermal power plant design is presented.

RESOURCE PERSONS

Mr.P.GOPINATH

Deputy Manager- Optimus Engineers

Coimbatore-641004

IMPORTANT DATES- Last Date for Receipt of
Registration form: 30-09-2022



**J.K.K. MUNIRAJAH COLLEGE OF
TECHNOLOGY**

T.N.PALAYAM

ONE WEEK WORKSHOP

On

INDUSTRIAL POWER PLANTS

03-10-2022 TO 07-10-2022

REGISTRATION FORM

Name:

Gender: **MALE/FEMALE**

Qualification:

Address for Communication:

.....
.....
.....

PIN.....

Email.....

Mobile No.....

Date:

Place:

Kongulion
PRINCIPAL
JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.
Signature of the Applicant (Dt).



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INDUSTRIAL POWER PLANTS

03.10.2022 to 07.10.2022

SCHEDULE

Date/Time	10.00am-11.30m	11.30am-11.45am	11.45am-1.00pm	1.00pm-2.00pm	2.00pm-4.00pm
03.10.2022	Inaugural Function	Tea Break	Introduction of Power plants	Lunch	Thermal Power Stations
04.10.2022	Power From Renewable Energy		Hydroelectric Power Station		Storage Power Stations
05.10.2022	Typical Power Output		Environmental Impact of Electricity Generation		Geothermal Electricity
06.10.2022	Fossil-Fuel Power Station		Grid-Tied Electrical System		List of Power Station
07.10.2022	List of Thermal Power Station Failures		Nuclear Power Plant		Plant Efficiency


CO-ORDINATOR


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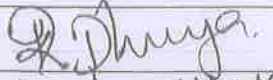
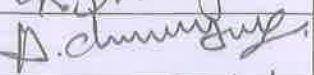
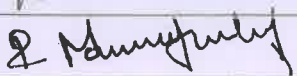
"INDUSTRIAL POWER PLANTS" 03.10.2022 to 07.10.2022

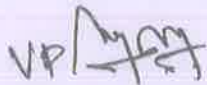
PARTICIPANTS LIST

S.NO	NAME OF THE FACULTY	DESIGNATION	SIGNATURE
1.	V P ARUL MURUGAN	Assistant Professor	
2.	S. GANESH KUMAR	Assistant Professor	
3.	A. VIGNESHKUMAR	Assistant Professor	
4.	G. PALANISAMY	Assistant Professor	
5.	M.SIVAKUMAR	Assistant Professor	
6.	M.THIYAKARAJAN	Assistant Professor	
7.	P.ESWARAN	Assistant Professor	
8.	S.K.KARTHIKEYAN	Assistant Professor	
9.	N.SANKAR	Assistant Professor	
10.	V.MAGESH	Assistant Professor	
11.	K.S.RAMESH	Assistant Professor	
12.	K.SRIRAM	Assistant Professor	
13.	T. S. THAMBIRAN	Associate Professor	
14.	S.M.PRANESH	Assistant Professor	
15.	A.VIGNESHKUMAR	Assistant Professor	
16.	G.PALANISAMY	Assistant Professor	
17.	J.GURUPRASATH	Assistant Professor	
18.	M.MOHANAMBIKA	Assistant Professor	

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19.	G.RAMACHANDRAN	Assistant Professor	
20.	R.DHIVYA	Assistant Professor	
21.	P.MANIKANDAN	Assistant Professor	



PROGRAM CO-ORDINATOR



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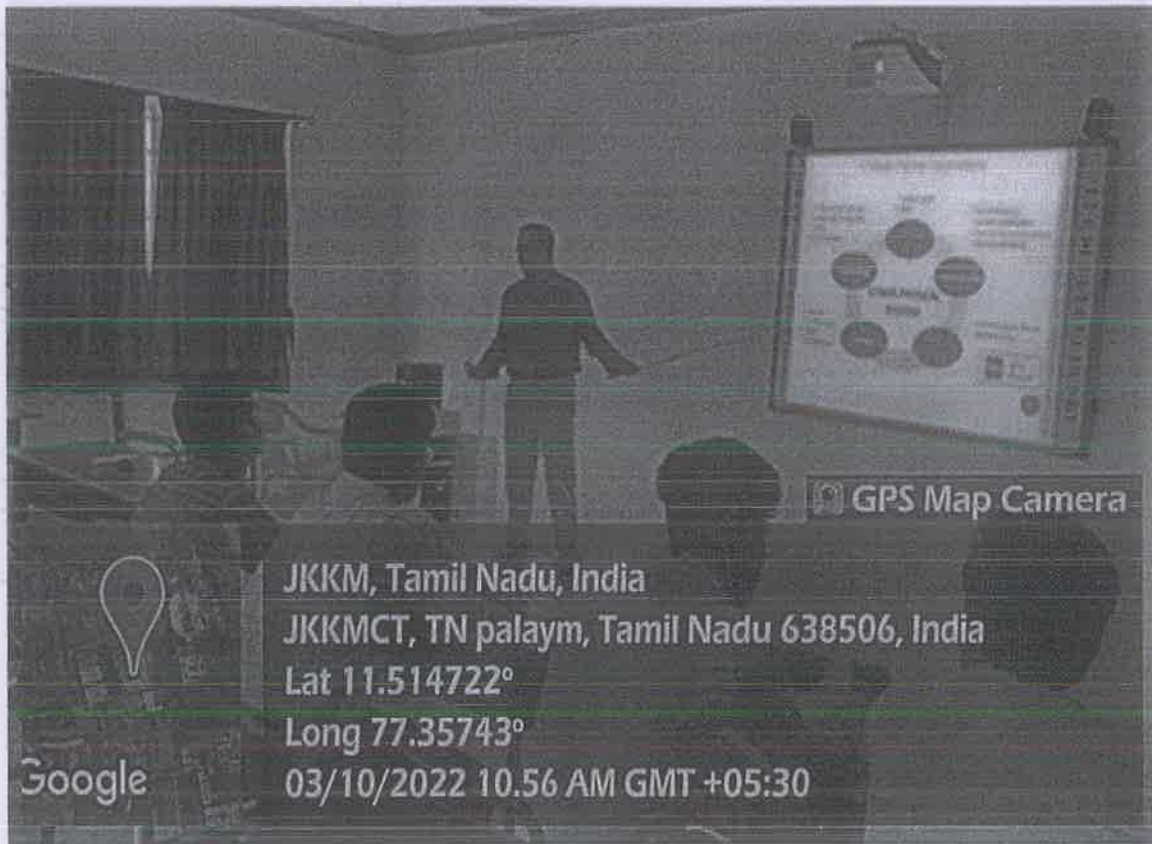


Name of Institution	J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY
Name of Event Organized	FACULTY DEVELOPMENT PROGRAM
Title of the Event	INDUSTRIAL POWER PLANTS
Date of Event Organized	03.10.2022 to 07.10.2022
No of Participants	21
Venue	Mechanical smart class
Name of Chief Guest/Speakers	Mr. P.GOPINATH Deputy Manager- Optimus Engineers Coimbatore-641004

Description/Conclusion:

Participants Studied The energy sector has accelerated technical progress in thermal power plants technology. One of the most important objectives in the development of thermal power plants is to optimize the plant heat rate. The power producers recognize that the low-cost, low-emissions and most efficient thermal power plants are becoming workhorses in the power generation industry. The primary objective of this seminar is to review the factors effecting thermal power plant heat rate and efficiency. The latest development in the thermal power plant design is presented. Techniques to accurately measure the DCS I/O points and the resulting effect on the efficient and reliable plant operation are reviewed. The importance of training the plant operators through real time, dynamic and plant replicated simulators is presented. The seminar concluded with an open brain storming session to discuss thermal power plant related queries and issues.


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Mr. P.GOPINATH, Deputy Manager- Optimus Engineers, Delivered about Industrial Power Plants

PROGRAM CO-ORDINATOR

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GOBI (Tk). ERODE (Dt).

PRINCIPAL

**APPROVAL FOR ORGANISING A FACULTY
DEVELOPMENT PROGRAMME**

From

Dr.C.Murugesan,
Professor & Head,
Department of Electronics and Communication Engineering,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.

To

The Principal,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.

Respected Sir,

SUB: Requesting Permission to conduct FDP-Reg.

The department of Electronics and Communication Engineering has planned to organize a six days Faculty Development Program (FDP) in the topic of **"INTERNET OF THINGS FOR INDUSTRIAL APPLICATIONS"** from 22/08/2022 to 27/08/2022. For the benefit of our college department staff updates their knowledge about the internet of things for industrial applications. I am eagerly waiting for your feedback as I have to inform the entire faculty well in advance.

Thank You

Yours Sincerely,

Dr. C. Murugesan

[Handwritten Signature]

[Handwritten Signature]
(Dr.C.Murugesan)

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GOBI (TK), ERODE (Dt).**



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JKKMCT/CIRCULAR/AUG-2022

DATE: 04/08/2022

CIRCULAR


The Department of Electronics and Communication Engineering is planning to organize a Faculty Development program on "INTERNET OF THINGS FOR INDUSTRIAL APPLICATIONS" for the benefit of faculty members from 22/08/2022 to 27/08/2022. All the department staff members those who are interested to attend the program can enroll their names to their respective HoD's on or before 08/08/2022.


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All the HoD's and Staff Members,
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FACULTY DEVELOPMENT PROGRAMME

ON

INTERNET OF THINGS FOR INDUSTRIAL APPLICATIONS

**22/08/2022 to 27/08/2022
REGISTRATION FORM**

NAME:.....

DESIGNATION:.....

DEPARTMENT:.....

INSTITUTION:.....

**AREAS OF SPECIALIZATION:
.....
.....**

**ADDRESS.....
.....
.....**

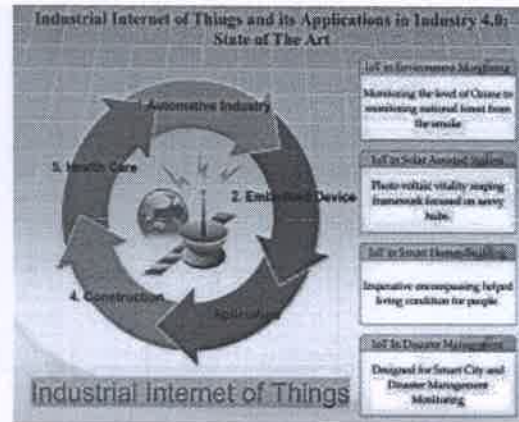
**EMAIL:
.....**

**CONTACT NO.
.....**

**SIGNATURE OF THE APPLICANT:
.....**

OUTCOME OF THE PROGRAM

Data Management and Analysis: With the vast amount of data generated by IoT devices, studying IoT will help you understand data management, analysis, and security practices, which are increasingly crucial in today's data-driven world.



PROGRAM HIGHLIGHTS

The Program aims at enhancing the academic and intellectual environment in the Institution by providing faculty members with enough opportunities to pursue research. Participation in seminars/ conferences / workshops would enable faculty members to update their research and pedagogical skills. The program can facilitate online, real-time interaction between students and teachers and also expand the class room into cyberspace. The program also provides valuable information about the industrial applications.

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ABOUT THE FACULTY DEVELOPMENT PROGRAMME:

The FDP is designed to bring Researchers and faculties from various colleges to a common gathering for exchanging and sharing the industrial applications of internet of things. The experts from prestigious Institutes will deliver expert talks and practical demonstration in the course. More number of participants are expected to participate. Due to limited number of seats as per guidelines of AICTE the registration will be done on the first cum first basis. The T.A/D.A and Boarding & Lodging facility will be provided to outstation participants. The participants are going to gain extensive details of subject knowledge along with practical knowledge. Case studies and practical examples enrich their concept in the field of RF hacking with SDR. This FDP will help them to do better teaching and to conduct research activities at their institutes.

OBJECTIVE OF THE PROGRAM:

Industrial Internet of Things (IIoT) is a fast growing technology in the present scenario. It has impact not only on work, but also on the living style of individual and organization. Due to high availability of internet, more advanced systems has been developed with Wi-Fi capabilities. The concept of connecting any device with internet is "IIoT", which is becoming new rule for the future technology.

ABOUT THE COLLEGE

J.K.K.MUNIRAJAH COLLEGE OF TECHNOLOGY, also called as JKKMCT is located at Gobichettipalayam in the Erode district in the state of Tamilnadu. JKKMCT is a private and reputed self-financing institute. The college is approved by AICTE and is affiliated with Anna University, Chennai. The missions of J.K.K.Munirajah College of technology provides advance knowledge and educate students in science and technology and also teaching, research and innovation and pursue its mission of service to the nation and the world. The college was established in the academic year 2008-2009 and governed by the Annai J.K.K.Sampoorani Ammal Charitable Trust Dr. J.K.K.Munirajahh founded the Charitable trust in 1971 for the purpose of providing health care and Education to the public. JKKMCT is run by this charitable trust. All the academic activities of the college are managed by the Head of the institution,.

ABOUT THE DEPARTMENT

The J.K.K. Munirajah college of Technology has introduced the 4 year course B.E (Electronics & Communication Engineering) in the year of 2008. The course was approved by AICTE, New Delhi and affiliated by ANNA University at Chennai. The Department of Electronics & Communication Engineering works hard to provide in-depth domain knowledge to the students through high quality education..

J.K.K. MUNIRAJAH COLLEGE OF

TECHNOLOGY

T. N. PALAYAM,

GOBICHETTIPALAYAM,

ERODE Dt, TN-638056



Faculty Development Programme

On

INTERNET OF THINGS FOR INDUSTRIAL APPLICATIONS

22/08/2022 to 27/08/2022

Organized by

ECLON Association

Of

Department of Electronics &
Communication Engineering

ORGANIZING COMMITTEE:

Chief Patrons

Mrs. Vasanthakumar Munirajah, Chairman,

Secretary

Mrs. Kasthuripriya Kirupakaramurali, MBA.

Patron

Dr. K. Sridharan, Principal,

Convener

Dr. C. Murugesan, HOD/ECE

J.K.K. Munirajah College of technology.

Committee Members:

Mrs. R. Kokila, AP/ECE

Mrs. N. Gomathi AP/ECE

Mrs. U. Sasikala, AP/ECE

Mrs. P. Bright Thamga Magizh, AP/ECE

Mr. Navindran, AP/ECE

Mr. M. Yogadeepan, AP/ECE

How to Apply:

Candidates have to send the scanned copy of completely filled prescribed registration form before 19/08/2022. Certificates shall be issued to all effective participants.

RESOURCE PERSON

MR. A. GOWTHAM KUMAR,

CHIEF EXECUTIVE OFFICER,

UNIVERSAL POWER SUPPLY,

BANGALORE

Sreen
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J.K.K. MUNIRAJAH COLLEGE
OF TECHNOLOGY
T. N. PALAYAM (Po)-638056
GOBI (Tk), ERODE (Dt).



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T.N. Palayam (Po), Gobi (Tk), Erode (Dt) – 638 506



Faculty Development Programme

On


"INTERNET OF THINGS FOR INDUSTRIAL APPLICATIONS"

22/08/2022 to 27/08/2022

SCHEDULE PLAN

DATE	FORENOON SESSION (09.30 am to 12.30pm)		AFTERNOON SESSION (01.30 pm to 04.30pm)
22/082022	Registration & Inaugural function	LUNCH BREAK	Introduction to Internet of things
23/08/2022	Components and characteristics of internet of things		Narrowband IOT and use cases
24/082022	Applications of Narrowband IOT		Wi-Fi and Bluetooth features and applications
25/08/2022	Evolution of wireless technologies		Types of fading in wireless technologies
26/08/2022	5G and Z Wave technology		Uses of RF Bands
27/08/2022	Applications of Industrial Internet of things		Valedictory function


CO-ORDINATOR


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“INTERNET OF THINGS FOR INDUSTRIAL APPLICATIONS”

22/08/2022 to 27/08/2022

PARTICIPANTS LIST

S.NO	NAME OF THE FACULTY	DESIGNATION	SIGNATURE
1.	C.Murugesan	Professor & Head	
2.	U.Sasikala	Assistant Professor	
3.	B.P.Bright Thanga Mahizh	Assistant Professor	
4.	P.Dhakshinamoorthi	Assistant Professor	
5.	M.Sivaranjani	Assistant Professor	
6.	N.Mythili	Assistant Professor	
7.	R.Kokila	Assistant Professor	
8.	N.Gomathi	Assistant Professor	
9.	U.Sasikala	Assistant Professor	
10.	T.S.Thambiran	Assistant Professor	
11.	S.M.Pranesh	Assistant Professor	
12.	A.Vigneshkumar	Assistant Professor	
13.	G.Palanisamy	Assistant Professor	
14.	M.Mohanambika	Assistant Professor	
15.	R.Dhivya	Assistant Professor	
16.	M.Sivakumar	Assistant Professor	
17.	S.Karthikeyan	Assistant Professor	
18.	K.S.Ramesh	Assistant Professor	
19.	Dr.N.Sankar	Assistant Professor	
20.	E.Prabhuraj	Assistant Professor	


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21.	K.Govinthasamy	Assistant Professor	K. Govind
22.	C.Mukundhan	Assistant Professor	C. M. D. J.
23.	V.Sabarivasan	Assistant Professor	V. Sambal
24.	P.Suresh	Assistant Professor	P. Suresh
25.	E.Deeparaj	Assistant Professor	E. D.


PROGRAM CO-ORDINATOR


PRINCIPAL
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ECLON Association

Of

Department of Electronics and Communication Engineering

Name of Institution	J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY
Name of Department	Electronics and Communication Engineering
Name of Event Organized	One week Faculty Development
Title of the Event	Internet of things for Industrial applications
Date of Event Organized	22/08/2022 To 27/08/2022
No of Participants	25
Venue	Seminar Hall
Name of Chief Guest/Speakers	MR.A.GOWTHAM KUMAR, CHIEF EXECUTIVE OFFICER, UNIVERSAL POWER SUPPLY, BANGALORE

Description:

The primary objective of this one-week Faculty Development Program (FDP) on Internet of Things (IOT) for industrial applications is to enrich faculty members of Engineering streams with usability of the IOTs across various real-

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world applications and design different application and communication protocols for IoTs.

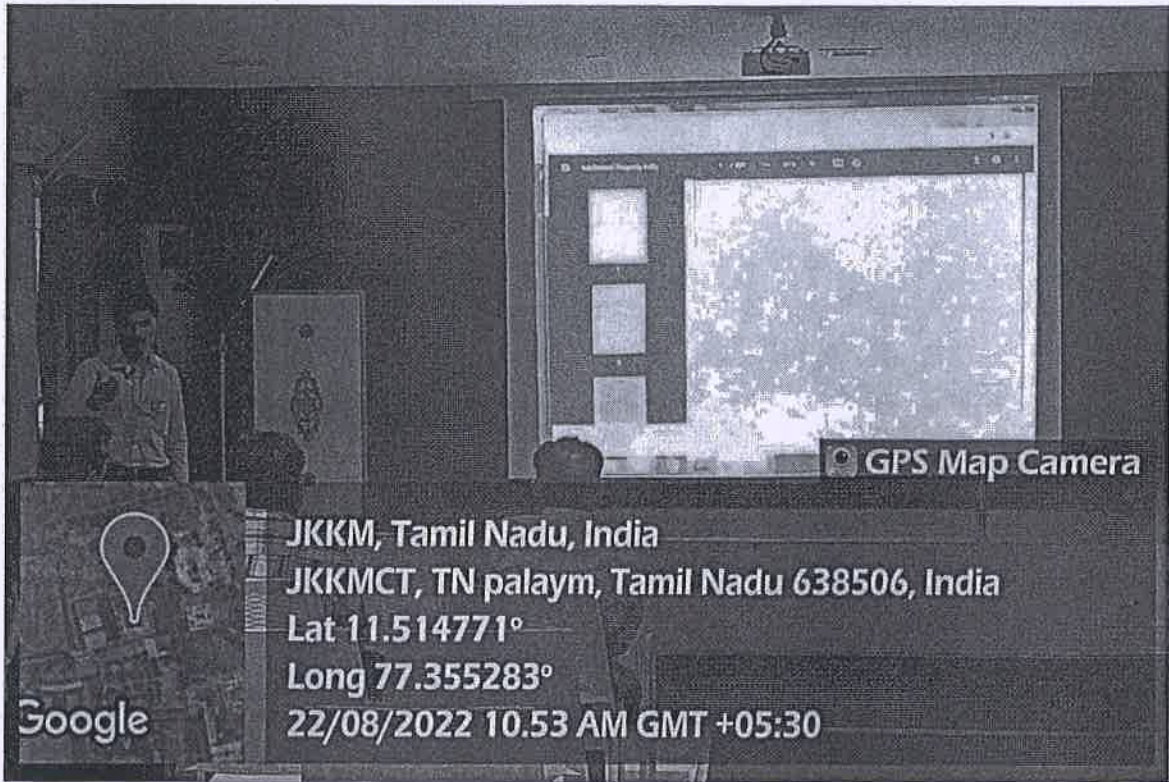
The idea of this FDP is to make the participants aware of the IoT field. The FDP will comprise of the essential theory with hands-on experiments on different simulation software by the experts from academic institutions to improve the understanding of this highly technical field. This will, in turn, improve the quality of the teaching which will motivate the students to take up the challenges in this interdisciplinary field. This is an opportunity to the academicians to enhance their skills and understand the methodologies This FDP intended to orient participants towards developing their own technical skills with due attention.

This FDP aims to make the participants realize the importance of IoT and its applications in various fields as well as to demonstrate some demo projects on specific applications. This course also gives an introduction to IoT, so that participants can learn to build their own IoT products for various applications, and it also enables them to convert their product ideas into a working prototype.

This FDP programme was attended by 40 participants from the department of EEE & ECE and PG students of JKKMCT. Attendees included Research Scholars & Academicians form varied background. All the sessions were handled by eminent persons in the field.

Lastly the session ended with a valedictory function. Feedback was received from all participants. It was an interactive session for all participants in the Programme. The program ended successfully with certificate distribution.


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MRA.Gowtham Kumar, Chief Executive Officer, Universal Power Supply, Bangalore,
Delivered about Internet of things for Industrial applications


PROGRAM CO-ORDINATOR


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PRINCIPAL

APPROVAL FOR ORGANISING AN AWARENESS PROGRAMME

From

Mr.K.Sriram,
Assistant Professor & Head,
Department of Mechanical Engineering,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.

To,

The Principal,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.


Respected Sir,

SUB: Requesting Permission to conduct FDP-Reg.

The department of Mechanical Engineering has planned to organize a six days Faculty Development Program (FDP) in the topic of "**Automation in Industries**" from **15.8.2022 to 20.8.2022**, for the benefit of our college department staffs updates their knowledge. I am eagerly waiting for your feedback as I have to inform the entire faculty well in advance.

Thank You

Yours Sincerely,


(Mr.K.Sriram)


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Permitted




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JKKMCT/CIRCULAR/AUG-2022

DATE: 05/08/2022

CIRCULAR


The Department of Mechanical Engineering is planning to organize a Faculty Development program on "Automation in Industries" for the benefit of faculty members from **15.8.2022 to 20.8.2022**..All the department staff members those who are interested to attend the program can enroll their names to their respective HoD's on or before 12/8/2022.


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GOBI (Tk), ERODE (Dt).

ABOUT THE COLLEGE

J.K.K.Munirajah is a reputed industrialist, technocrat, an educationalist, and excellence in a void social worker, a person imbued in deep spiritual values and a Philanthropist. J.K.K.Munirajah founded a Charitable Trust by name Annai.J.K.K.SampooraniAmmal Trust, Komarapalaym-638 183, Namakkal Dt., Tamilnadu in the year of 1971. J.K.K.Munirajah established many temples of leaving to perpetuate the ever lasting memory of his beloved mother. At present Annai.J.K.K.Sampoorani Ammal Charitable Trust maintains and runs Paramedical Institutions offering Diploma, Graduate and Post Graduate courses in Pharmacy, Nursing, Physiotherapy and Occupational Therapy at Komarapalayam, Namakkal (Dt) and a Polytechnic, Community Polytechnic and a Industrial Training Center at T.N.Palayam, Erode Dt. These educational Institutions are temples of Learning and have contributed much to a formidable social change in our society. The Trust has won many National and State awards. They are renowned educational institutions spared nothing to promote knowledge, wisdom and service-orientation.

ABOUT THE DEPARTMENT

The Mechanical Engineering Department was started in the year 2010. The department offers four years B. E -Mechanical Engineering. The department has a team of highly qualified, dedicated and motivated faculty and well

equipped laboratories with facilities for UG. B.E has been accredited by AICTE, New Delhi. The goal of the Mechanical engineering curriculum is to create a flexible undergraduate educational experience in design, mathematics, modeling, computing, management, and engineering science. Principal study topics include fluid mechanics, thermodynamics & heat transfer, solid mechanics, materials engineering, manufacturing, energy systems, dynamics & computer Aided Design (CAD) and others.

ABOUT THE PROGRAMME

Studying the Industrial automation is the use of control systems, such as computers or robots, and information technologies for handling different processes and machineries in an industry to replace a human being. It is the second step beyond mechanization in the scope of industrialization. Lower operating cost: Industrial automation eliminates healthcare costs and paid leave and holidays associated with a human operator. Further, industrial automation does not require other employee benefits such as bonuses, pension coverage, etc. Above all, although it is associated with a high initial cost it saves the monthly wages of the workers which leads to substantial cost savings for the company. The maintenance cost associated with machinery used for industrial automation is less because it does not often fail. If it fails, only computer and maintenance engineers are required to repair it.

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ONE WEEK FDP

On,

AUTOMATION IN INDUSTRIES

15-08-2022 to 20-08-2022

Organized by



Department Of Mechanical Engineering

J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY, T.N.PALAYAM
T.N. PALAYAM (Po)-638 508.
GOBI (Tk), ERODE (Dt).

Tel No: 04285-260754-55, Fax: 04285-260755. E-mail: jkkmechtrix@gmail.com,
Website: www.jkkmct.org

ORGANIZING COMMITTEE

Convener : S.KARTHIKEYAN,
Assistant Professor,
Mechanical Engineering,
JKKMCT, Gobi

Coordinators: M.SIVAKUMAR,
Assistant Professor,
Mechanical Engineering,
JKKMCT, Gobi

ONE WEEK FDP

On

AUTOMATION IN INDUSTRIES

Department Of Mechanical Engineering

**J.K.K. MUNIRAJAH COLLEGE OF
TECHNOLOGY, T.N.PALAYAM**

Mobile :9597553594

Email:siva36mech@gmail.com

SESSION DETAILS

- What is Industrial Automation?
- Types of Industrial Automation Systems
- The Benefits of Industrial Automation
- Increase Productivity
- Programmable Automation

RESOURCE PERSONS

Dr.V.THANIGAIVELAN – M.E (Ph.d)

Associate Professor,

SRM Institute of Science & Technology,

Ramapuram Campus

E-mail:thanigailav@gmail.com

IMPORTANT DATES

PRINCIPAL
JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM

Last Date for Receipt of Registration form:
12.08.2022

**J.K.K. MUNIRAJAH COLLEGE OF
TECHNOLOGY**

T.N.PALAYAM

ONE WEEK FDP

On

AUTOMATION IN INDUSTRIES

15-08-2022 to 20.08.2022

REGISTRATION FORM

Name:

Gender: **MALE/FEMALE**

Qualification:

Address for Communication:

.....

.....

.....

PIN.

Email.....

Mobile No.

Date:

Place:

Signature of the applicant



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AUTOMATION IN INDUSTRIES

15.08.2022 to 20.08.2022

SCHEDULE PLAN

Date/Time	10.00am-11.30m	11.45am-1.00pm	1.00pm-2.00pm	2.00pm-4.00pm
15-08-2022	Inaugural Function	Introduction of Automation Industries	Lunch	What is Industrial Automation?
16-08-2022	Increase Quality and Flexibility in Your Manufacturing Process	Advantages of Industrial Automation		High Productivity
17-08-2022	High Flexibility	High Information Accuracy		Disadvantages of Industrial Automation
18-08-2022	Types of Industrial Automation Systems	Fixed Automation		Programmable Automation
19-08-2022	Benefits of Industrial Automation	Lower Operating Costs		High-Quality Products
20-08-2022	The Future of Industrial Automation	Robots in Manufacturing		Applications of Automation and Robotics

PROGRAM CO-ORDINATOR

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AUTOMATION IN INDUSTRIES

15.08.2022 to 20.08.2022

PARTICIPANTS LIST

S.NO	NAME OF THE FACULTY	DESIGNATION	SIGNATURE
1.	K.SRIRAM	HOD/MECH	
2.	M.SIVAKUMAR	Assistant Professor	
3.	S.KARTHIKEYAN	Assistant Professor	
4.	K.S.RAMESH	Assistant Professor	
5.	Dr.N.SANKAR	Assistant Professor	
6.	E.PRABHURAJ	Assistant Professor	
7.	K.GOVINTHASAMY	Assistant Professor	
8.	C.MUKUNDHAN	Assistant Professor	
9.	V.SABARIVASAN	Assistant Professor	
10.	P.SURESH	Assistant Professor	
11.	V.MAGESH	HOD/AUTO	
12.	V P ARUL MURUGAN	Assistant Professor	
13.	T.S.THAMBIRAN	Associate Professor	
14.	S.M.PRANESH	Assistant Professor	
15.	A.VIGNESHKUMAR	Assistant Professor	
16.	G.PALANISAMY	Assistant Professor	
17.	J.GURUPRASATH	Assistant Professor	

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18.	M.MOHANAMBIKA	Assistant Professor	M. Mohanambika
19.	Mr.P.ESWARAN	Assistant Professor	P. Eswaran
20.	Mr.S.GANESH KUMAR	Assistant Professor	S. Ganesh Kumar
21.	Mr.K.GOPALA KRISHNAN	Assistant Professor	K. Gopal Krishnan


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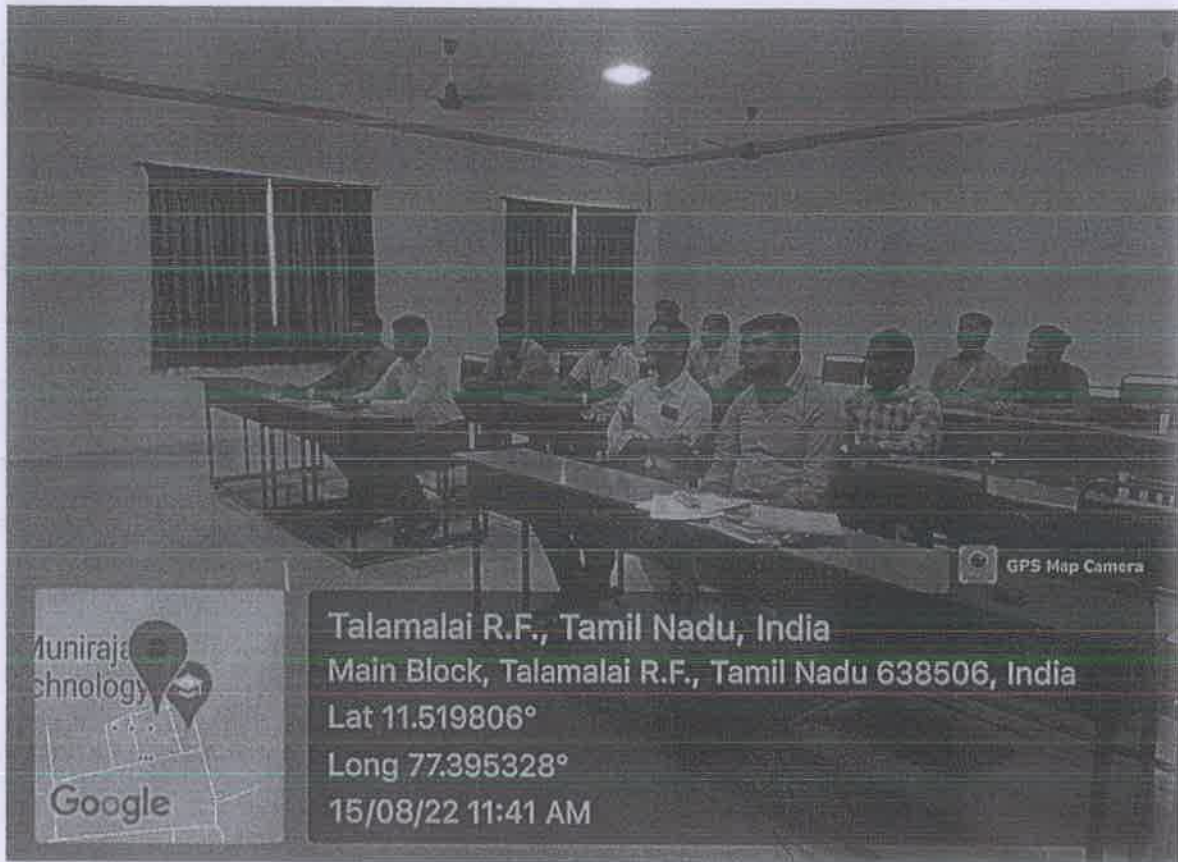


Name of Institution	J.K.K.MUNIRAJAH COLLEGE OF TECHNOLOGY
Name of Event Organized	FDP
Title of the Event	AUTOMATION IN INDUSTRIES
Date of Event Organized	15.08.2022 to 20.08.2022
No of Participants	21
Venue	MECHANICAL SMART CLASS
Name of Chief Guest/Speaker	Dr. V. Thanigaivelan – M.E (ph.D), Associate Professor, SRM Institute of Science & Technology, Ramapuram Campus E-mail : thanigailav@gmail.com

Description/Conclusion:

Industrial automation took over the control of production operations. In some ways, the implementation of this system tends to be a substitute to the work done by humans. In short, replacing human beings in an industry. The time consumed on the manufacturing has been deducted since robots never get distressed and capable to engage in risky jobs. Therefore, work opportunities may be reduced up to 50% as it turned automation system to be budget-friendly. Nevertheless, technology was proven to create jobs rather than destroyed the opportunity through robotics, block chain technology, artificial intelligence, telecommunication and more.


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Speaker Details:

Dr. V.Thanigaivelan M.E., (ph,D), Working as Associate Professor in SRM Institute of science & Technology at Ramapuram Campus, Chennai.

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**APPROVAL FOR ORGANISING A FACULTY
DEVELOPMENT PROGRAMME**

From

Dr. C. Saravanan,
Professor & Head,
Department of Electrical & Electronics Engineering
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.

To,

The Principal,
J.K.K. Munirajah College of Technology,
T.N. Palayam, Gobichetipalayam,
Erode DT-638 506.

Respected Sir,

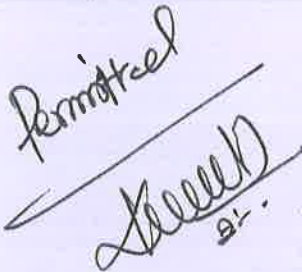
SUB: Requesting Permission to conduct online FDP-Reg.


The department of Electrical & Electronics Engineering has planned to organize a seven days Faculty Development Program (FDP) in the topic of "RECENT TRENDS IN ELECTRIC VEHICLES AND SMART GRID FOR SUSTAINABLE DEVELOPMENT" from 06.06.2022 to 12.06.2022. For the benefit of our college department staff updates their knowledge about the Electric vehicle overall technology. I am eagerly waiting for your feedback as I have to inform the entire faculty well in advance.

Thank You

Yours Sincerely,


(Dr. C. Saravanan)


Permitted
21-


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JKKMCT/CIRCULAR/JUNE-2022

DATE: 02/06/2022

CIRCULAR

The Department of Electrical & Electronics Engineering is planning to organize a Faculty Development program on "RECENT TRENDS IN ELECTRIC VEHICLES AND SMART GRID FOR SUSTAINABLE DEVELOPMENT" for the benefit of faculty members from 06.06.2022 to 12.06.2022. All the department staff members those who are interested to attend the program can enroll their names to their respective HoD's on or before 04/06/2022.

Copy To,

The Principal,
All the HoD's and Staff Members,
IQAC File
Notice Board

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2/6/22

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TOPICS COVERD

- Fundamentals and Trends in industrial real time data acquisition Systems.
- The need of data acquisition in power electronics converters
- Real time data acquisition in LabVIEW-RIO pattern – Tools and challenges.
- Hands on experience of NI Hardware and data acquisition.
- Design of data acquisition system using Xilinx Vivado tools.
- Hands-on experience of DC-DC Converters using dSPACE.

TARGET AUDIENCE

- Industry Professionals
- Faculties
- Research Scholars
- M.Tech and B.Tech Students

REGISTRATION DETAILS

Registration Fees (JKKMCT): INR 300

Registration Fees (Others): INR 500

Last Date fir Registration: 01stJune 2022.

Payment Details (Gpay): 9994050050

CONTACT DETAILS

Mr.A.Vigneshkumar – 95006 78747

Mr.S.M.Pranesh – 90804 70505

CHIEF PATRONS

Mrs. Vasanthakumari Munirajah,

Chairman,

Annai Sampoorani Ammal Chaitable Trust.

Mrs. Kasthuripriya Kribakarmurali, MBA.,

Secretary.

Dr.K.Sridharan, M.E., Ph.D., MISTE.,

Principal.

CHIEF GUEST

Er. V. Angappan., CEO & M.D.,

M/S Megatech Scientific Instruments,

Coimbatore.

CONVENERS

Dr.C.Saravanan, M.E., Ph.D., MISTE.,

Prof & Head EEE Dept.

COMMITTE MEMBERS

Mr.S.M.Pranesh, M.E., Asst.Prof. EEE

Mr.T.S.Thambiran, M.E.,Asst.Prof EEE

Mr. A.Vigneshkumar, M.E., Asst.Prof EEE

Mr.G.Palanisamy, M.E., Asst.Prof EEE

Kees
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ERODE, TAMILNADU.

ONE WEEK WORKSHOP ON

RECENT TRENDS IN ELECTRIC VEHICLES AND SMART GRID FOR SUSTAINABLE DEVELOPMENT

06th to 12th June, 2022.



Organized by

Department of Electrical and Electronics
Engineering

**J.K.K. MUNIRAJAH COLLEGE
OF TECHNOLOGY**

T.N.Palayam, Gobi,

Erode, Tamilnadu-638506.



ABOUT COLLEGE

J.K.K. Munirajah college of Technology was established in the year 2008 Governed by Annai J.K.K. Sampoorani Ammal Charitable Trust, primarily with the objective of delivering world class quality in Education and Training in a structured and systematic manner J.K.K.Munirajah group of Institutions was founded by J.K.K.Munirajah, who is a reputed industrialist, technocrat, an educationalist par excellence, an avid social worker, a person imbued in deep spiritual values and a philanthropist. The management has completed 25 years of dedicated service to the people of India and abroad in the field of Education. The Institution has an area of 250 acres of land richly endowed with beautiful Greenland. The college with its state-of-the-art infrastructural facilities and excellent academic records has earned recognition as one of the reputed educational institutions for men and women in India.

ABOUT DEPARTMENT

The J.K.K. Munirajah college of Technology has introduced the 4year courses are B.E (Electrical and Electronics Engineering) in the year of 2008. The course was approved by AICTE, New Delhi and affiliated by ANNA University at Chennai. The Electrical and Electronic Engineering strives towards Updating the syllabus. So that the students are always equipped with advanced technology to meet Industrial standard Hi tech Laboratories also render the necessary expertise. To develop the department as a center of excellence to take care of the local and regional needs related to Electrical Engineering activity, and to encourage students and faculty to undertake research Programme & Projects.

COURSE HIGHLIGHTS

- Introduction to Data Acquisition Systems.
- Sensors and Transducers
- Analog-to-Digital Conversion
- Signal Conditioning
- Real-Time Operating Systems (RTOS)
- Communication Protocols
- LabVIEW and MATLAB/Simulink for Data Acquisition
- Field-Programmable Gate Arrays (FPGAs)
- Power Quality Monitoring
- Wireless Data Acquisition
- Emerging Trends and Technologies

ABOUT THE WORKSHOP

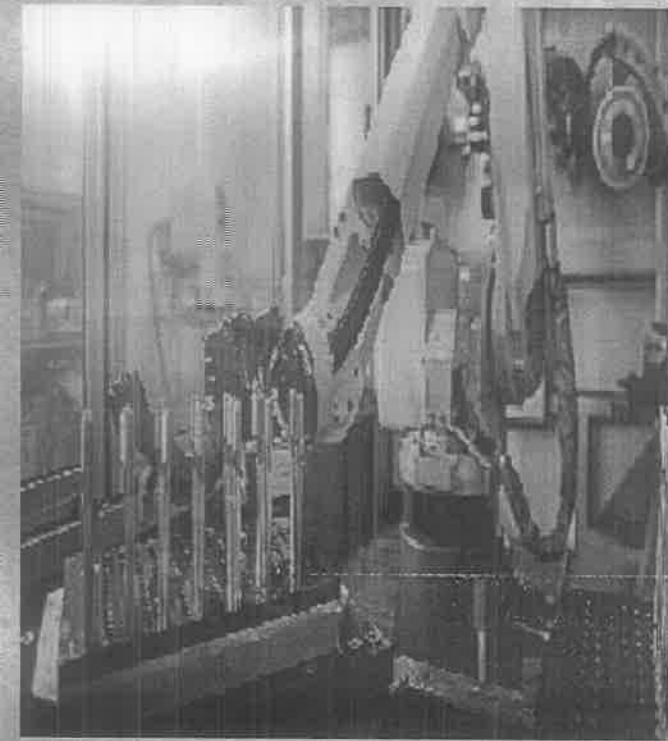
Real-Time Data Acquisition is a crucial aspect of many applications in Electrical and Electronics Engineering. It involves capturing and processing data in real-time with minimal delay.

Opal-RT, MATLAB and LabView are popular tools used in this field to achieve real-time data acquisition and processing. Here's an over view of how these tools can be used together for research and real time.

A real-time simulation platform that specializes in Hardware-in-the-Loop (HIL) and Rapid Control Prototyping (RCP) Applications.

OBJECTIVE OF THE WORKSHOP

- To bring together professionals (Faculty/students/researcher/industries), interested in Data Acquisition domain for a better knowledge sharing.
- To create awareness about the current status and future of advances in Data Acquisition.
- To familiarize the participants with the technical gaps and needs in global scenario



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RECENT TRENDS IN ELECTRIC VEHICLES AND SMART GRID FOR SUSTAINABLE DEVELOPMENT

06.06.2022 to 12.06.2022

SCHEDULE PLAN

DATE	FORENOON	LUNCH BREAK	AFTERNOON
06.06.2022	Inaugural function Introduction to Electric Mobility, Recent trends in Power Electronics & sustainable energy	LUNCH BREAK	Renewable energy sources and its interconnection to Power Grid Multiphase power trains for Electric Vehicles
07.06.2022	Power Electronics Application in Smart Grid Electric Vehicle Architecture Design		Power Electronics and their controllers Battery Technologies in Electric
08.06.2022	Energy storage systems and Micro- grids An overview of Vehicle to Grid Technology		E-Vehicles Emerging Charging, Battery Management System in Electric Vehicles
09.06.2022	Recent Developments and Study of Power Electronic converters in Electric Vehicles		Emerging trends on energy storage/Battery management
10.06.2022	Digital controllers Implementations for Electric Vehicle Vehicles		Control of Grid connected Power Electronic System with Real-time Controllers
11.06.2022	Simulation of Electric Vehicle and Hybrid Vehicles in MATLAB/Simulink Environment; Electric Vehicle Sector Charging solutions for Electric Vehicles		Efficient Home Appliances and Power Quality, Technological Evolution in Electric Vehicles and Smart Urban Transportation
12.06.2022	EV Charging Station Design and Installation Workshop Smart Grid Simulation and Optimization Exercise		Electric Vehicle Test Drive and Demonstration Hands-on Training: Grid Monitoring and Control Systems

CO-ORDINATOR

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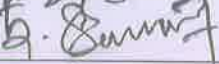
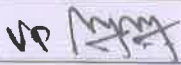


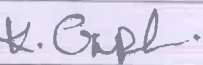
"RECENT TRENDS IN ELECTRIC VEHICLES AND SMART GRID FOR SUSTAINABLE DEVELOPMENT"

06.06.2022 to 12.06.2022

PARTICIPANTS LIST


S.NO	NAME OF THE TEACHER	DESIGNATION	SIGNATURE
1.	T.S.THAMBIRAN	Associate Professor	
2.	S.M.PRANESH	Assistant Professor	
3.	A. VIGNESHKUMAR	Assistant Professor	
4.	G. RAMACHANDRAN	Assistant Professor	
5.	C .SASIKUMAR	Assistant Professor	
6.	S .SATHEESHKUMAR	Assistant Professor	
7.	G.PALANISAMY	Assistant Professor	
8.	R.DHIVYA	Assistant Professor	
9.	N. GOMATHI	Assistant Professor	
10.	R. KOKILA	Assistant Professor	
11.	S. ABINAYA	Assistant Professor	
12.	U. SASIKALA	Assistant Professor	
13.	B.P.BRIGHT THANGA MAHIZH	Assistant Professor	
14.	P.DHAKSHINA MOORTHY	Assistant Professor	
15.	P.JAGADISH KANNAN	Assistant Professor	
16.	N. NAVINDRAN	Assistant Professor	
17.	M.C.SAVITHIRI	Assistant Professor	

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18.	E.ANANTH	Assistant Professor	
19.	P.SASIREKA	Assistant Professor	
20.	V.NIROSHA	Assistant Professor	
21.	D.DHARANITHARAN	Assistant Professor	
22.	S.SATHEESH	Assistant Professor	
23.	V.P.ARUL MURUGAN	Assistant Professor	
24.	P.ESWARAN	Assistant Professor	
25.	S.GANESH KUMAR	Assistant Professor	
26.	K.GOPALA KRISHNAN	Assistant Professor	


PROGRAM CO-ORDINATOR


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Name of Institution	J.K.K.MUNIRAJAH COLLEGE OF TECHNOLOGY
Name of Event Organized	FACULTY TRAINING PROGRAMME
Title of the Event	RECENT TRENDS IN ELECTRIC VEHICLES AND SMART GRID FOR SUSTAINABLE DEVELOPMENT
Date of Event Organized	06.06.2022 to 12.06.2022
No of Participants	26
Venue	Seminar Hall (A/C)
Name of Chief Guest/Speakers	Er. V. Angappan, CEO & M.D., M/S Megatech Scientific Instruments, Coimbatore.

Description/Conclusion:

Recently, EVs, SGs, energy storage, and smart cities have been gathering pace throughout the world, and advanced technologies have been introduced in the sustainable and reliable power grids for the optimal utilization of SGs and EVs for smart cities. The large-scale penetration of renewable energy sources (RESs) and EVs has presented profound challenges and opportunities to the power industry. The inherent variability and uncertainty associated with RESs have changed several aspects of the control, operation, and planning of power networks. However, the growing penetration of renewable energy resources and electric vehicles will bring more complexity to operation and planning tasks, which play an important role in a gradual transition of the traditional power grid to the smart grid—a driver for the development of smart cities. Smart cities rely on widely distributed smart devices, and they are designed to address various challenges, such as

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pollution, efficient utilization of energy, security, pollution, parking, traffic, and transportation.




Resource Person: Er. V. Angappan, CEO & M.D., M/S Megatech Scientific Instruments, Coimbatore., delivers the Recent Trends in Electric Vehicles and Smart Grid for Sustainable Development

We would like to invite submissions to this Topic titled “Emerging Trends in Electric Vehicles, Smart Grids, and Smart Cities” to collect the latest developments, advanced technologies, and applications in these fields.

The topics of interest include but are not limited to:

- Electric vehicle planning and operation in the smart grid
- Smart grid and smart cities modeling
- Modeling flexibility of distributed energy resources
- Smart grid and green energy integration



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- Distributed generation and distributed storage
- Electricity market modeling and simulation for the integration of renewable sources
- The Internet of Things (IoT) for smart cities
- Energy management system in smart distribution grids
- Role of Artificial Intelligence (AI) in smart grid and smart cities revolution
- Smart grid technology and solutions for smart cities

The running cost of an electric vehicle is much lower than an equivalent petrol or diesel vehicle. Electric vehicles use electricity to charge their batteries instead of using fossil fuels like petrol or diesel. Electric vehicles are more efficient, and that combined with the electricity cost means that charging an electric vehicle is cheaper than filling petrol or diesel for your travel requirements. Using renewable energy sources can make the use of electric vehicles more eco-friendly. The electricity cost can be reduced further if charging is done with the help of renewable energy sources installed at home, such as solar panels.


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