



( Approved by AICTE. Affiliated to MGU / APJ Abdul Kalam Technological University, NAAC Accredited & ISO Certified Institution )

3.2.2 Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

AY: 2020-21	SL NO	DATE & YEAR	TOPIC & SUBJECT	DEPARTMENT	NO OF PARTICIPANTS	NATURE OF SEMINAR: INTERNATIONAL/REGIONAL	NAME AND DESIGNATION OF RESOURCE PERSON
	1	10/10/2020	Plagiarism Checking tools for researchers	Civil	32	National	Dr. Abhilasha S Professor Vidhya College of Engineering
	2	11/11/2020	Seminar on Ethics in Research	Civil	30	National	Mr.Sreehari S Assistant Professor Adisankara Coleege of Engineering, Kalady
	3	19/11/2020	Webinar onHow to write a research paper	Civil	65	National	Dr. Fr.Bennet Kuriakose Associate Professor St. Joisephcollege of Engineering Pala
	4	13/01/2021	Innovation and Entrepreneurship key to success	Civil	60	National	Mr. Abhijith N Das MD . ABC Constructions
	5	8/2/2021	Webinar on Intellectual Property Rig	Civil	123	National	Dr. A Belin Jude Professor and HoD, Saranathan College of Engineering Trichy
	6	9/2/2021	Webinar onResearch Methodology	Civil	95	National	Dr. M Vijayasarathy Professor MIET Engineering College trichy
	7	14.05.2021	Overview of indian patent filing and IPR	CSE	70	REGIONAL	Dr.Vinodh P Vijayan HOD,CSE,MLMCE
	8	04.05.2021	The Art of research paper writing	CSE	78	REGIONAL	Prof Dhanya Sudarsan, Muthoot Institute of Science and Technology
	9	12.08.2020	Introduction to Research methodology	CSE	60	REGIONAL	Dr.Vinodh P Vijayan HOD,CSE,MLMCE
	10	18.11.2020	Overview of plagiarism Checking tools	CSE	55	REGIONAL	Dr.E.Gopinathan, Profess or
	11	09.02.2021	Ethics in Research	CSE	60	REGIONAL	Dr.E.Gopinathan, Profess or
	12	19th September, 2020	"Recent Advances in Cascade Control of Industrial Processes	ECE	100	INTERNATIONAL	DR.G LLOYDS RAJA, ASSISTANT PROFESSOR, EEE, NIT PATNA
	13	20th August, 2020	"Educational Resources on Artificial Intelligence and related Technologies from IEEE	ECE	100	INTERNATIONAL	DR LANCE CHUN CHE FUNG, EMERITUS PROFESSOR, COLLEGE OF SCIENCE, HEALTH ENGINEERING & EDUCATION, AUSTRALIA
	14	20th August, 2020	Webinar on "Social Entrepreneurship, Swachhta & Rural Enginment			NATIONAL	MR ADITHYA RAI GUPTA, MGNCRE HYDREBAD

15	4th December 2020	Training on design of LED Bulb, LED Tube light, LED Street light, Solar Lamp, AC - DC Inverter lamp - Enterprenership perspective	ECE	15	REGIONAL	1. MR BIJOY JOSEPH, ASSISTANT DIRECTOR, MSME TECHNOLOGY DEELOPMENT CENTRE, ETTUMANNOR 2. DR. T D SUBASH, PROFESSOR ECE
16	3rd March 2021	Awareness on Entrepreneurship and Skill Development Programme	ECE	65	REGIONAL	DR. PANEERSELVAM, PRINCIPAL DIRECTOR MSME
17	8th June, 2021	Webinar on LINKEDIN for professionals growth	ECE	100	REGIONAL	1. MR. ALTHAF MUHAMMED, SYSTEM ENGINEER, INFOSYS
18	28th June 2021	webinar on Benefits and scope of Robots and Automation	ECE	55	REGIONAL	MS. JISHA V R, ASSOCIATE PROFESSOR, EEE, CET
19	19/01/2021	How to apply for patents	EEE	22	REGIONAL	Mr Derrick Mathew, Research Scholar
20	2/12/2020	Research areas in Renewable energy	EEE	20	REGIONAL	Dr Karthikumar S, Professor
21	02/02/2021	Seminar on Intellectual property rights	EEE	18	REGIONAL	Dr K Ravikumar Professor
22	22/02/2021	Seminar on Big data analytics	EEE	18	REGIONAL	Mr Siby James, Assoc Professor
23	24/11/2020	How to write effective research papers	EEE	20	REGIONAL	Dr Karthikumar S, Professor
24	7/15/2020	webinar on Cyber Law an overview	MBA	45	NATIONAL	Adv. Shyam Padman
25	3/10/2020	webinar on covid19 Business Model	MBA	40	NATIONAL	Shri. Krishna Kumar
26	7/6/2021	campus to corporate. The A-Z Mar	MBA	40	NATIONAL	Mark Antony Sequeira
27	9/6/2021	National Webinar on Data center	MBA	40	NATIONAL	Mr. Thomas John
28	4/9/2021	Workshop on Intellectual property rights and Patent Registration	ME	79	Regional	Dr. Anna S Kynadi, Senior editor, Wiley, UK
29	21/04/2021	A talk on Basics of research publishing	ME	74	Regional	Dr. Anna S Kynadi, Senior editor, Wiley, UK
30	19/09/2020	Webinar on Future on Entrepreneurship & Employment Opprtunities	ME	74	Regional	Mr. Arun Joy Joseph, Assistant professor, BTC college of Engineering, Koothattukulam
31	7/01/21-08/01/21	Workshop on stastical tools in research and data analysis	ME	68	Regional	Dr. Gibin George, Assistant professor, SCMS school of Engineering
32	21/08/2020	Meet the Start-ups	ME	74	Regional	Mr. Anoop A S, Managing director, Mechano, Koothattukulam, Kerala

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MANGALAM COLLEGE OF ENGINEERING  
DEPARTMENT OF CIVIL ENGINEERING

SEMINAR ON  
**ETHICS IN RESEARCH**

Mr. Sreehari S  
Assistant Professor

Adi Sankara College of Engineering

DATE: 11-11-2020

MODE: ONLINE

  
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Ettumanoor



# Department of Civil Engineering


Mangalam College of Engineering, Ettumanoor

MLM/CE/012

Date: 01-11-2020

## NOTICE

Department of Civil Engineering is organising a Seminar on "*Ethics In Research*" by Assistant Professor. Mr. Sreehari S, Adisankara College of Engineering on 11-11-2020 at 3 PM through online mode.

  
9/11/20  
Department Event Coordinator

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## REPORT

**Event name :Seminar on Ethics in Research**


**Event Date :11/11/2020**

Google Meet link :<https://meet.google.com/tbm-mvsg-idw>

Department of civil engineering conducted an webinar on Ethics in Research On 11/11./2020 .The Event was started with a silent prayer. The Resource person for this programme was Mr.SreehariS ,Assistant Professor AdisankaraColeege of Engineering, Kalady.

Mr. Sreehari s described about the Research in ethics he stated that research in ethics provides guidelines for the responsible conduct of research. In addition, it educates and monitors scientists conducting research to ensure a high ethical standard. The following is a general summary of some ethical principles he described about, Honesty, Objectivity, Integrity, Carefulness, Openness, Respect for Intellectual Property, Confidentiality, Responsible Publication, Responsible Mentoring, Respect for Colleagues: Social Responsibility, Non-Discrimination, Competence,

The session was informative and useful for students and staff members those who are interested for reserchTheprogramme was ended with vote of thanks from Ms.Sharon TressaBiju assistant professorMangalam college of Engineering

  
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The session was informative and useful for students The programme was ended with vote of thanks from Ms. Amrutha Raman, assistant professor Mangalam college of Engineering



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**MANGALAM COLLEGE OF  
ENGINEERING**  
DEPARTMENT OF CIVIL ENGINEERING

**LIST OF ATTENDEES**

Event Name : Seminar on Ethics in Research

Event Date : 11/11/2020

Resource Person : Mr. Sreehari S

SL NO	NAME
1	LAVITHA V
2	MEBIN MATHEW
3	MUHAMMED SHUHAIB S
4	NOEL JOHNSON
5	PAUL JOSEPH
6	RAHNA SAJEEB
7	AKASH S
8	AKHIL BABU
9	AKSHAY K
10	ANANDHU RAJEEVAN
11	ANANDHU SUNIL
12	ANJANA PURUSHOTHAMAN
13	ANJANA RAJ
14	APARNA RAJ
15	ARYA SALI
16	ASHA GREGORY
17	ASHLY MARIAM VARKEY
18	AJIPRIYA C S
19	AJITH BIJU
20	AKSHAY SASEENDRAN
21	AKHIL BABU
22	AKHIL KURIAN PHILP
23	ANJANA MANOHAR
24	ANU RANI NP
25	ARDRA BAIJU
26	BINU KS
27	JINCY DS
28	JINIJA SABU
29	JISS TRESA GIJO

  
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30	AJITH BIJU
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MANGALAM



## Feedback Consolidation

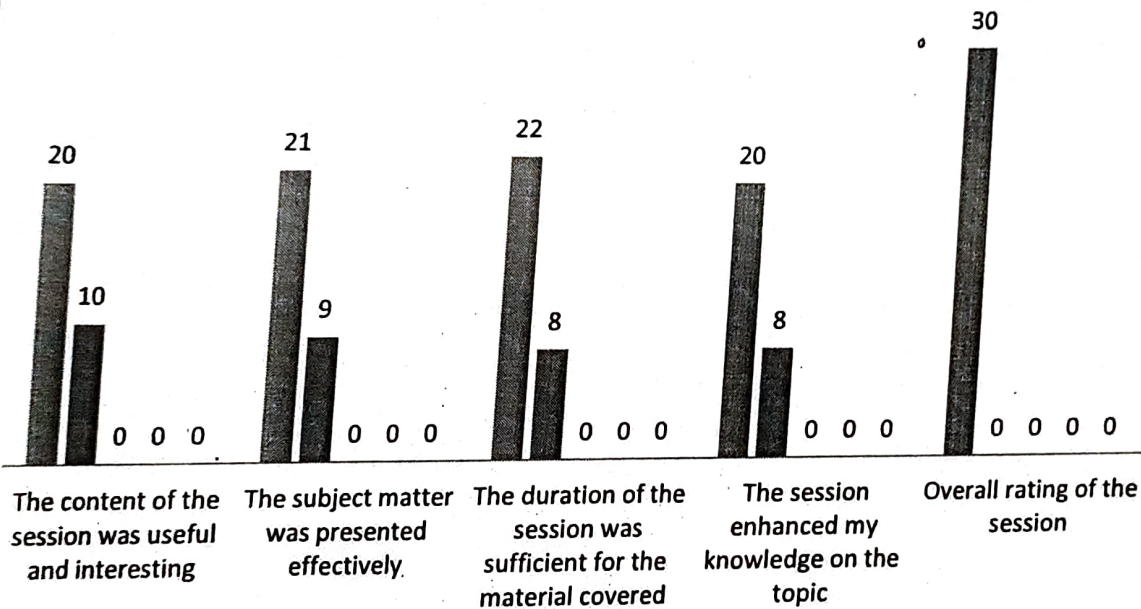
Event Name : Seminar on Ethics in Research

Event Date : 11/11/2020

Resource Person : Mr. Sreehari S

### Feed Back

■ Excellent ■ Very good ■ Good ■ Average ■ Poor





# Department of Civil Engineering

Mangalam College of Engineering, Ettumanoor

## Programme Schedule

- 3.00 PM: Prayer**
- 3.05 PM: Introduction of guest**
- 3.15 PM: Seminar on "Ethics in Research"**
- 4.50 PM: Vote of Thanks**

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DEPARTMENT OF CIVIL ENGINEERING

EXPERT TALK ON

# How to Write Research Paper

Dr. Fr. BENNET KURIAKOSE

Associate Professor

St. Joseph College of Engineering

DATE: 19-11-2020

MODE: ONLINE



# Department of Civil Engineering

Mangalam College of Engineering, Ettumanoor

MLM/CE/017

Date: 05-11-2020

## NOTICE

Department of Civil Engineering is organising a Seminar on "How to Write Research Paper" by Assistant Professor. Dr. Fr. Bennet Kuriakose, St. Joseph College of Engineering on 19-11-2020 at 1 PM through online mode.

*WLB*  
5/11/20

Department Event Coordinator

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## REPORT

**Event name :Webinar on How to write a research paper**


**Event Date :19 /11/2020**

Google Meet link :<https://meet.google.com/uzg-stjh-tpz>

Department of civil engineering conducted an webinar on Webinar on How to write a research paper on 19 /11/2020. The Event was stated with a silent prayer. The Resource person for this programme was Dr. Fr.BennetKuriakose Associate Professor St. Joseph college of Engineering Pala.

Dr. Fr.BennetKuriakose described that A research paper is a piece of academic writing that provides analysis, interpretation, and argument based on in-depth independent research. Research papers are similar to academic essays, but they are usually longer and more detailed assignments, designed to assess not only your writing skills but also your skills in scholarly research. Writing a research paper requires you to demonstrate a strong knowledge of your topic, engage with a variety of sources, and make an original contribution to the debate. He also explained the qualities of a good researcher

The delivery of contented was very interactive. He explained deeply about topic with good examples. The session was informative and useful for students and staff members those who are interested for reserch. The programme was ended with vote of thanks from Mr. VilbinVarghese assistant professorMangalam college of Engineering

  
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**MANGALAM COLLEGE OF  
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DEPARTMENT OF CIVIL ENGINEERING

**LIST OF ATTENDEES**

Event Name : How to write a research paper

Event Date : 19/11/2020

Resource Person : Dr. Fr. Bennet Kuriakose


SL NO	NAME
1	Jiss Tresa Gijo
2	Jiya Jose
3	Jwala S Manoj
4	Meenu Mariam Mathew
5	Alan Mathew
6	Aleena Renjith
7	Alfin P Reji
8	Allen Jossy
9	Alphy John Jacob
10	Aminu. V Jamal
11	Anand Binu Tom
12	Anand Sunny
13	Anandhu T P
14	Ananthakrishnan S
15	Anna Mary S
16	Anooja Shaji
17	Antony Xaviour
18	Anu Lekshmi G
19	Anusreelal J
20	Aparna Binu
21	Aravind Raj
22	Arjun Suresh

  
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23	Aryamol P A
24	Ashna N
25	Asif Muhammed
26	Athira M S
27	Bino Benny
28	Boniface Francis
29	Chinchu Sabu
30	Devika Prajeed
31	Dharmajith M D
32	Achupriya K R
33	Amith M M
34	Aswin S Nair
35	Jaleel Methar
36	Jeena Joshua
37	Kevin Kuruvila
38	Lavitha V
39	Mebin Mathew
40	Muhammed Shuhaib S
41	Noel Johnson
42	Paul Joseph
43	Rahna Sajeeb
44	Akash S
45	Akhil Babu
46	Akshay K
47	Anandhu Rajeevan
48	Anandhu Sunil
49	Anjana Purushothaman
50	Anjana Raj
51	Aparna Raj
52	Arya Sali
53	Asha Gregory
54	Ashly Mariam Varkey
55	Ms. Sipli Abraham
56	Ms. Reni Kruvilla
57	Ms. Aswathysoman

  
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58	Ms. Salini Theres N Kurian
59	Ms. Nissy Susan Mari
60	Mr. Valbin Varghese
61	Ms. Adithya Viswambharan
62	Ms. Sharon Treassa Biju
63	Mr. Gokul Pe
64	Ms. Lina Joy
65	Dr. Radhakrishnan R

  
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# Department of Civil Engineering

Mangalam College of Engineering, Ettumanoor

MLM/CE/12

Date: 02-02-2021

## NOTICE

Department of civil engineering is organising an Expert Talk on "Research Methodology" by Prof. Dr. M. Vijayasathy on 09-02-2021 at 2 PM through online mode.

*MLM/CE/12*

Department Event Coordinator

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# **MANGALAM**

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### **DEPARTMENT OF CIVIL ENGINEERING**

*cordially invite you all to join the*

*Seminar on*

### **“ RESEARCH METHODOLOGY ”**

*Keynote Speaker*

**Prof. Dr. M. VIJAYASARTHY**

**Professor**

**Department of Electrical & Electronics Engineering,**

**M.I.E.T Engineering College,**

**Trichy, Tamilnadu.**

**Date : 09/02/2021**



# Department of Civil Engineering

Mangalam College of Engineering, ttumanoor

## Programme Schedule

**2.00 PM: Prayer**

**2.05 PM: Introduction of guest**

**2.15 PM: Expert Talk on "Research Methodology"**

**3.50 PM: Vote of Thanks**


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## LIST OF ATTENDEES

Event Name : Research Methodology

Event Date : 20/09/2021

SL. No	NAME
1	JOHN TITUS
2	JUBAL JAMES
3	KARTHIK PRASAD
4	MERIN MARIAM MATHEW
5	MUHAMMED IJAS ISMAIL
6	MUHAMMED YASEEN V S
7	NAIR ASHWIN MANOJ
8	RAHUL K S
9	R AMRUTHA BALAKRISHNAN
10	RICHU VARGHESE RENJI
11	VIGNESH N
12	VISHNUPRIYA B
13	V P AKHIL
14	YADHUKRISHNAN P U
15	MEENU MADHU
16	SAVIN SONY PAUL
17	SREEHARI BINUKUTTAN
18	AMAL JOSEPH
19	JINU JAYARAM
20	MUHAMMED NIHAL P R
21	PRASEETHA PRAKASH
22	ROHIT RAJ
23	SANJAY PRATHAP
24	SANJEEV PAUDEL
25	SARAH MADEEHA S
26	SARITHA SAJU
27	SHABEENA SHAJI
28	SHAKEEL BUHARI
29	SUDHEESH KUMAR S
30	SWATHI S KUMAR
31	TEENA TARA TOM
32	TENCYMOL JOSE

  
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33	TIMOTHY MATHEW VARGHESE
34	ABHIRAM KRISHNA
35	ABHIRAMI DILIP
36	ABHISHEK V N
37	ABOO JACOB
38	AJAY BIJUMON
39	AJIPRIYA C S
40	AJITH BIJU
41	AKSHAY SASEENDRAN
42	AKHIL BABU
43	AKHIL KURIAN PHILP
44	ANJANA MANOHAR
45	ANU RANI NP
46	ARDRA BAIJU
47	BINU KS
48	JINCY DS
49	JINIJA SABU
50	JISS TRESA GIJO
51	JIYA JOSE
52	JWALA S MANOJ
53	MEENU MARIAM MATHEW
54	ALAN MATHEW
55	ALEENA RENJITH
56	ALFIN P REJI
57	ALLEN JOSSY
58	ALPHY JOHN JACOB
59	AMINU V JAMAL
60	ANAND BINU TOM

  
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61	ANAND SUNNY
62	ANANDHU T P
63	ANANTHAKRISHNAN S
64	ANNA MARY S
65	ANOOJA SHAJI
66	ANTONY XAVIOUR
67	ANU LEKSHMI G
68	ANUSREELAL J
69	APARNNA BINU
70	ARAVIND RAJ
71	ARJUN SURESH
72	ARYAMOL P A
73	ASHNA N
74	ASIF MUHAMMED
75	ATHIRA M S
76	BINO BENNY
77	BONIFACE FRANCIS
78	CHINCHU SABU
79	DEVIKA PRAJEED
80	DHARMAJITH M D
81	ACHUPRIYA K R
82	MS. SIPLI ABRAHAM
83	MS. RENI KRUVILLA
84	MS. ASWATHYSOMAN
85	MS. SALINI THERES N KURIAN



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MANGALAM COLLEGE OF ENGINEERING  
DEPARTMENT OF CIVIL ENGINEERING

EXPERT TALK ON

# Innovation & Entrepreneurship Key to Success

Mr. ABHIJITH N DAS  
MD, ABC CONSTRUCTION

DATE: 13-01-2021

MODE: ONLINE



**Department of Civil Engineering**  
Mangalam College of Engineering, Ettumanoor


MLM/CE/023

Date: 05-01-2021

NOTICE

Department of Civil Engineering is organising a Expert talk on "*Innovation and Entrepreneurship Key to Success*" by Mr. Fr. Abhijith N Das, Managing Director, ABC Constructions on 13-01-2021 at 2 PM through online mode.



  
Department Event Coordinator

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## REPORT

**Event name :**Innovation and Entrepreneurship key to success

**Event Date :**13 /01/2021

**Google Meet link :**<https://meet.google.com/thz-hgmw-obd>

Department of civil engineering conducted a webinar on 13 /01/2021 on the topic Innovation and Entrepreneurship key to success. The Event was started with a silent prayer. The Resource person for this programme was Mr. Abhijith N Das MD .ABC Constructions. He is an young energetic person having more than 10 years of experience in industry.

Mr. Abhijith N Das described that The key to any successful business is the ability to come up with fresh new ideas to keep the operation running and the products and services fresh. This influx of fresh ideas into the business on a regular basis is known as innovation. Innovation plays a very important role in any business venture. He explained about Entrepreneurship and its importance in current situation. Most of his talk included his life experience. he stated the importance of innovations. Innovation is vital to company's success in today's highly competitive business environment, especially as customers become more demanding and savvy. Entrepreneurs need an edge to survive and stand out. Innovation can provide that edge—boosting your productivity, growth and profitability.

The session was interactive and interesting. The programme was ended with vote of thanks from Ms. Geethulal assistant professor Mangalam college of Engineering



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DEPARTMENT OF CIVIL ENGINEERING

**LIST OF ATTENDEES**

Event Name : Innovation and Entrepreneurship key to success  
Event Date : 13/01/2021  
Resource Person : Mr. Abhijith N Das

Sl No	Name
1	Amith M M
2	Aswin S Nair
3	Jaleel Mether
4	Jeena Joshua
5	Kevin Kuruvila
6	Lavitha V
7	Mebin Mathew
8	Muhammed Shuhaib S
9	Noel Johnson
10	Paul Joseph
11	Rahna Sajeeb
12	Akash S
13	Akhil Babu
14	Akshay K
15	Anandhu Rajeevan
16	Anandhu Sunil
17	Anjana Purushothaman
18	Anjana Raj
19	Aparna Raj
20	Arya Sali
21	Asha Gregory
22	Ashly Mariam Varkey
23	Ms. Sipli Abraham
24	Ms. Reni Kruvilla
25	Ms. Aswathysoman
26	Ms. Salini Theres N Kurian
27	Ms. Nissy Susan Mani
28	Mr. Vilbin Varghese
29	Ms. Adithya Viswambharan
30	Ms. Sharon Treassa Biju

  
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31	AJIPRIYA C S
32	AJITH BIJU
33	AKSHAY SASEENDRAN
34	AKHIL BABU
35	AKHIL KURIAN PHILP
36	ANJANA MANOHAR
37	ANU RANI NP
38	ARDRA BAIJU
39	BINU KS
40	JINCY DS
41	JINIJA SABU
42	JISS TRESA GIJO
43	JIYA JOSE
44	JWALA S MANOJ
45	MEENU MARIAM MATHEW
46	ALAN MATHEW
47	ALEENA RENJITH
48	ALFIN P REJI
49	ALLEN JOSSY
50	ALPHY JOHN JACOB
51	AMINU V JAMAL
52	ANAND BINU TOM
53	ANAND SUNNY
54	ANANDHU T P
55	ANANTHAKRISHNAN S
56	ANNA MARY S
57	ANOOJA SHAJI
58	ANTONY XAVIOUR
59	ANU LEKSHMI G
60	ANUSREELAL J
31	APARNA BINU
32	ARAVIND RAJ
33	ARJUN SURESH
34	ARYAMOL P A
35	ASHNA N
36	ASIF MUHAMMED
37	ATHIRA M S
38	BINO BENNY
39	BONIFACE FRANCIS

  
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40	CHINCHU SABU
41	DEVIKA PRAJEED
42	DHARMAJITH M D
43	ACHUPRIYA K R
44	AMITH M M
45	ASWIN S NAIR
46	JALEEL METHER
47	JEENA JOSHUA
48	KEVIN KURUVILA
49	LAVITHA V
50	MEBIN MATHEW
51	MUHAMMED SHUHAIB S
52	NOEL JOHNSON
53	PAUL JOSEPH
54	MERIN MARIAM MATHEW
55	MUHAMMED IJAS ISMAIL
56	MUHAMMED YASEEN V S
57	NAIR ASHWIN MANOJ
58	RAHUL K S
59	R AMRUTHA BALAKRISHNAN
60	RICHU VARGHESE RENJI



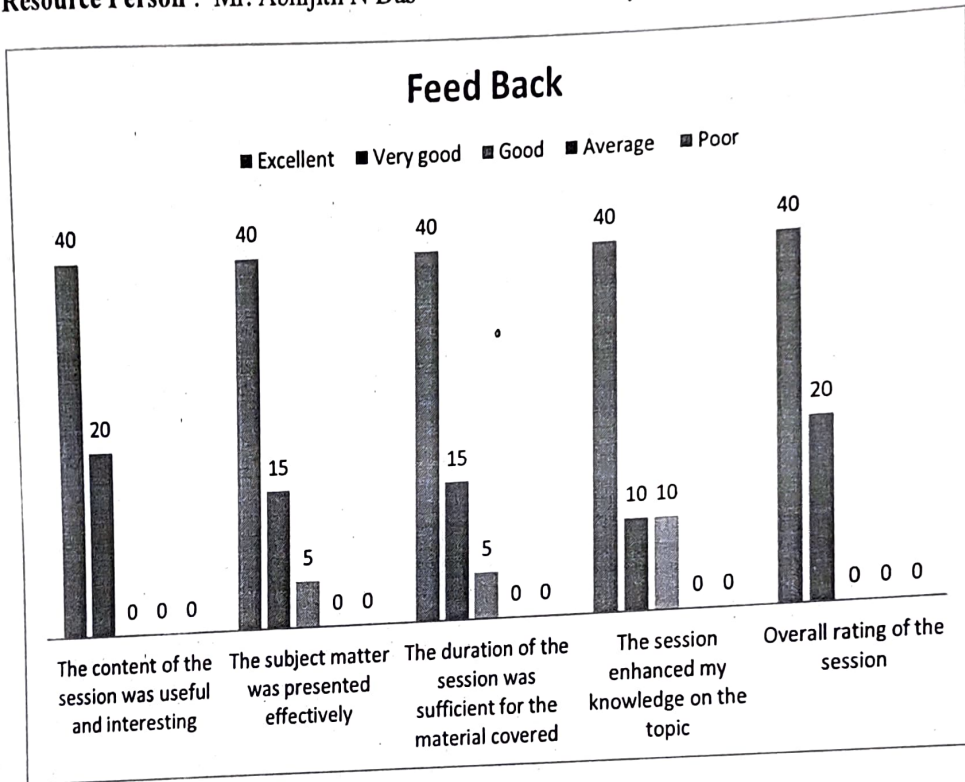
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# Feedback Consolidation

Event Name : Innovation and Entrepreneurship key to success

Event Date : 13/01/2021

Resource Person : Mr. Abhijith N Das



  
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# Department of Civil Engineering

Mangalam College of Engineering, Ettumanoor

## Programme Schedule

2.00 PM: Prayer

2.05 PM: Introduction of guest

2.15 PM: Expert Talk on "Innovation and Entrepreneurship Key to Success"

3.50 PM: Vote of Thanks

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# Department of Civil Engineering

Mangalam College of Engineering, Ettumanoor

MLM/CE/11

Date: 02-02-2021

## NOTICE

Department of civil engineering is organising an Expert Talk on "Intellectual Property Rights" by Prof. Dr. A Belin Jude on 08-02-2021 at 2 PM through online mode.

  
07/02/21

Department Event Coordinator

  
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# MANGALAM

## COLLEGE OF ENGINEERING

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### DEPARTMENT OF CIVIL ENGINEERING

*cordially invite you all to join the*

*webinar on*

## "INTELLECTUAL PROPERTY RIGHTS"

*Keynote Speaker*

**Prof. Dr. A. BELIN JUDE**

Head of Department,

Department of Civil Engineering,

Saranathan College of Engineering,

Trichy, Tamilnadu.

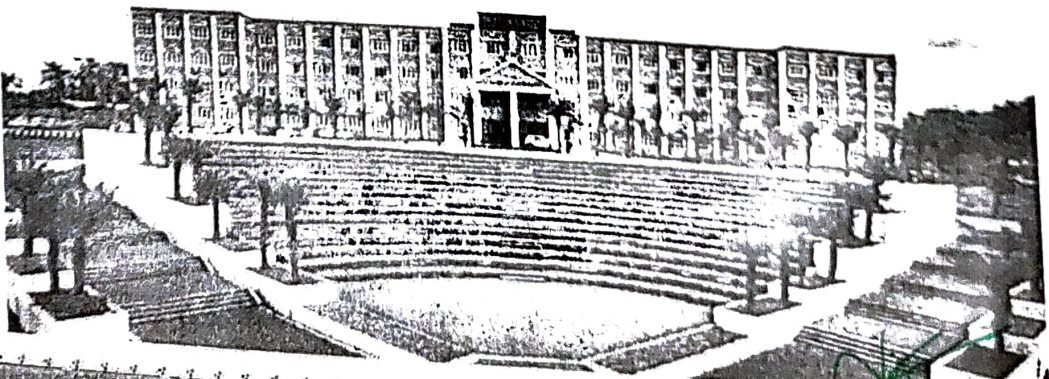
Member, ISTE.

Date : 08 / 02 / 2021

Time : 02.00 PM

Online Mode via Google Meet 

Google Meet Link : <https://meet.google.com/rak-ojaj-geb>







# Department of Civil Engineering

Mangalam College of Engineering, Ettumanoor

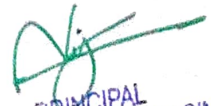
## Programme Schedule

**2.00 PM: Prayer**

**2.05 PM: Introduction of guest**

**2.15 PM: Expert Talk on "Intellectual Property Rights"**

**3.50 PM: Vote of Thanks**

  
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Ettumanoor  
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## REPORT

Event name :Webinar on Intellectual Property Rights


Event Date :8/2/2021

Google Meet link :<https://meet.google.com/aoh-cwcd-zii>

Department of civil engineering conducted an webinar on Ethics in Research On 8/2/2021.The Event was started with a silent prayer. The Resource person for this programme was Dr. A Belin Jude Professor and HoD ,Saranathan College of Engineering Trichy.

Intellectual property rights (IPR) refers to the legal rights given to the inventor or creator to protect his invention or creation for a certain period of time. These legal rights confer an exclusive right to the inventor/creator or his assignee to fully utilize his invention/creation for a given period of time. He explained basics of IPR with examples which include an author's copyright on a book or article, a distinctive logo design representing a soft drink company and its products, unique design elements of a web site, or a patent on a particular process to, for example, manufacture chewing gum. He explained the 3 ways to protect IPR which includes through the use patents, trademarks or copyrights. A patent applies to a specific product design; a trademark to a name, phrase or symbol; and a copyright to a written document.

The session was informative and useful for students The programme was ended with vote of thanks from Ms.Amrutha Raman, assistant professor Mangalam college of Engineering

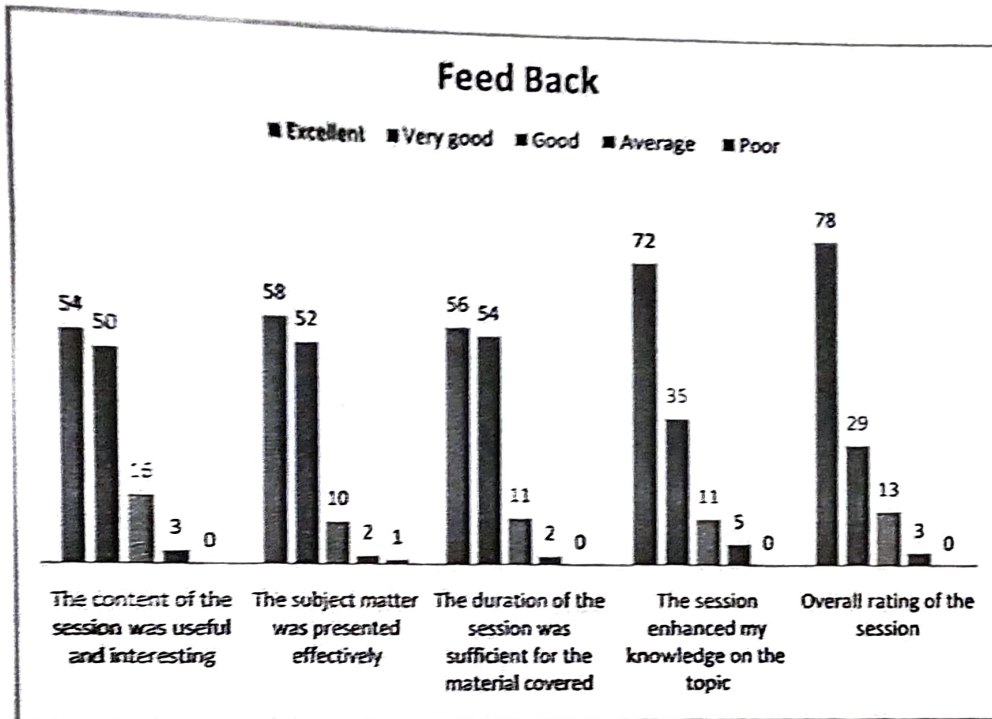
  
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Eranankulam

## Feedback Consolidation

Event Name : Intellectual Property Rights

Event Date : 08-02-2021

Resource Person : Dr. A Belin Jude



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## LIST OF ATTENDEES

Event Name: Intellectual Property Rights

Event Date: 08/02/2021

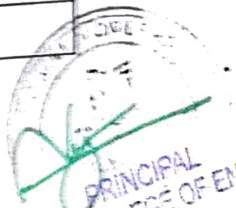
SL. No	NAME
1	JOHN TITUS
2	JUBAL JAMES
3	KARTHIK PRASAD
4	MERIN MARIAM MATHEW
5	MUHAMMED IJAS ISMAIL
6	MUHAMMED YASEEN V S
7	NAIR ASHWIN MANOJ
8	RAHUL K S
9	R AMRUTHA BALAKRISHNAN
10	RICHU VARGHESE RENJI
11	VIGNESH N
12	VISHNUPRIYA B
13	V P AKHIL
14	YADHUKRISHNAN P U
15	MEENU MADHU
16	SAVIN SONY PAUL
17	SREEHARI BINUKUTTAN
18	AMAL JOSEPH
19	JINU JAYARAM
20	MUHAMMED NIHAL P R
21	PRASEETHA PRAKASH
22	ROHIT RAJ
23	SANJAY PRATHAP
24	SANJEEV PAUDEL
25	SARAH MADEEHA S
26	SARITHA SAJU
27	SHABEENA SHAJI
28	SHAKEEL BUHARI
29	SUDHEESH KUMAR S

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30	SWATHI S KUMAR
31	TEENA TARA TOM
32	TENCYMOL JOSE
33	TIMOTHY MATHEW VARGHESE
34	ABHIRAM KRISHNA
35	ABHIRAMI DILIP
36	ABHISHEK V N
37	ABOO JACOB
38	AJAY BIJUMON
39	AJIPRIYA C S
40	AJITH BIJU
41	AKSHAY SASEENDRAN
42	AKHIL BABU
43	AKHIL KURIAN PHILP
44	ANJANA MANOHAR
45	ANU RANI NP
46	ARDRA BAIJU
47	BINU KS
48	JINCY DS
49	JINIJA SABU
50	JISS TRESA GIJO
51	JIYA JOSE
52	JWALA S MANOJ
53	MEENU MARIAM MATHEW
54	ALAN MATHEW
55	ALEENA RENJITH
56	ALFIN P REJI
57	ALLEN JOSSY



58	ALPHY JOHN JACOB
59	AMINU V JAMAL
60	ANAND BINU TOM
61	ANAND SUBNY
62	ANANDHU T P
63	ANANTHAKRISHNAN S
64	ANNA MARY S
65	ANNOOJA SHAI
66	ANTONY XAVIOUR
67	ANU LAKSHMI G
68	ANUSREE LAL J
69	APARNA BINU
70	ARAVIND RAJ
71	ARJUN SURESH
72	ARYAMOL P A
73	ASEENA N
74	ASIF MUHAMMED
75	ATHIRA M S
76	BINO BENNY
77	BONIFACE FRANCIS
78	CHINCHU SABU
79	DEVIKA PRAJED
80	DHARMAITH M D
81	ACHUPRIYA K R
82	AMITH M M
83	ASWIN S NAIR
84	JALEEL METHER
85	JEENA JOSHUA

  
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86	KEVIN KURUVILA
87	LAVITHA V
88	MEBIN MATHEW
89	MUHAMMED SHUHAIB S
90	NOEL JOHNSON
91	PAUL JOSEPH
92	RAHNA SAJEEB
93	AKASH S
94	AKHIL BABU
95	AKSHAY K
96	ANANDHU RAJEEVAN
97	ANANDHU SUNIL
98	ANJANA PURUSHOTHAMAN
99	ANJANA RAJ
100	APARNA RAJ
101	ARYA SALI
102	ASHA GREGORY
103	ASHLY MARIAM VARKEY
104	MS. SIPLI ABRAHAM
105	MS. RENI KRUVILLA
106	MS. ASWATHYSOMAN
107	MS. SALINI THERES N KURIAN
108	MS. NISSY SUSAN MANI
109	MR. VILBIN VARGHESE
110	MS. ADITHYA VISWAMBHARAN
111	MS. SHARON TREASSA BIJU
112	MR. GOKUL PV
113	MS. LINU JOY
114	DR. RADHAKRISHNAN R
115	MR. SREERENCH RAGHAVU
116	MS. GEETHULAL



  
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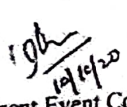
**Department of Civil Engineering**  
Mangalam College of Engineering, Ettumanoor

Date: 10-10-2020

MLM/CE/008

NOTICE

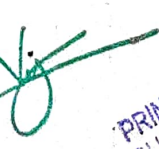
Department of civil engineering is organising an Expert Talk on "Plagiarism Checking Tools for Researchers" by Associate Professor. Dr. Abhilasha P S of Vidhya College of Engineering on 15-10-2020 at 2 PM through online mode.

  
19/10/20  
Department Event Coordinator

Copy to,  
HOD CE  
Department Notice Board



  
HOD

  
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MANGALAM COLLEGE OF ENGINEERING  
DEPARTMENT OF CIVIL ENGINEERING

EXPERT TALK ON

# PLAGIARISM CHECKING TOOLS FOR RESEARCHERS

Dr. ABHILASHA P S  
Associate Professor

Vidhya College of Engineering

MODE: ONLINE

DATE: 15-10-2020

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Erumvoor

## REPORT

**Event name : Plagiarism Checking tools for researchers**

**Event Date : 15/10/2020**

Google Meet link : <https://meet.google.com/thz-hgmw-obd>

Department of civil engineering conducted an online webinar on Plagiarism checking tool for researchers on 15/10/2020 .The Event was started with a silent prayer. The Resource person for this programme was Dr. Abhilasha S ,Professor Vidhya College of Engineering.

Plagiarism tools are the modern tools that we use to detect the portions of duplicate or copied content in everything from research journals to site content. They are very quick, exact and can work in numerous languages. The best plagiarism checker should be able to detect plagiarism the most accurately, even if the original phrasing has been altered. The tool should also provide a clear, comprehensive plagiarism report.. Dr. Abhilasha S discussed about the following points  
How do researchers check for plagiarism? What is plagiarism tools in research?Which is the best free plagiarism checker for research papers?What plagiarism tool do professors use?

The session was interactive and interesting. The programme was ended with vote of thanks from Ms. Geethulal assistant professor Mangalam college of Engineering

  
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**MANGALAM COLLEGE OF  
ENGINEERING**  
DEPARTMENT OF CIVIL ENGINEERING

**LIST OF ATTENDEES**

nt Name : Plagiarism Checking tools for researchers  
nt Date : 15/10/2020  
ource Person : Dr. Abhilasha P S

SL NO	NAME
1	AMITH M M
2	ASWIN S NAIR
3	JALEEL METHER
4	JEENA JOSHUA
5	KEVIN KURUVILA
6	LAVITHA V
7	MEBIN MATHEW
8	MUHAMMED SHUHAIB S
9	NOEL JOHNSON
10	PAUL JOSEPH
11	RAHNA SAJEEB
12	AKASH S
13	AKHIL BABU
14	AKSHAY K
15	ANANDHU RAJEEVAN
16	ANANDHU SUNIL
17	ANJANA PURUSHOTHAMAN
18	ANJANA RAJ
19	APARNA RAJ
20	ARYA SALI
21	ASHA GREGORY
22	ASHLY MARIAM VARKEY
23	MS. SIPLI ABRAHAM
24	MS. RENI KRUVILLA
25	MS. ASWATHYSOMAN
26	MS. SALINI THERES N KURIAN
27	MS. NISSY SUSAN MANI
28	MR. VILBIN VARGHESE
29	MS. ADITHYA VISWAMBHARAN
30	MS. SHARON TREASSA BIJU

Principal  
MANGALAM COLLEGE OF ENGINEERING  
Erumanoor

31	MR. GOKUL PV
32	MS. LINU JOY



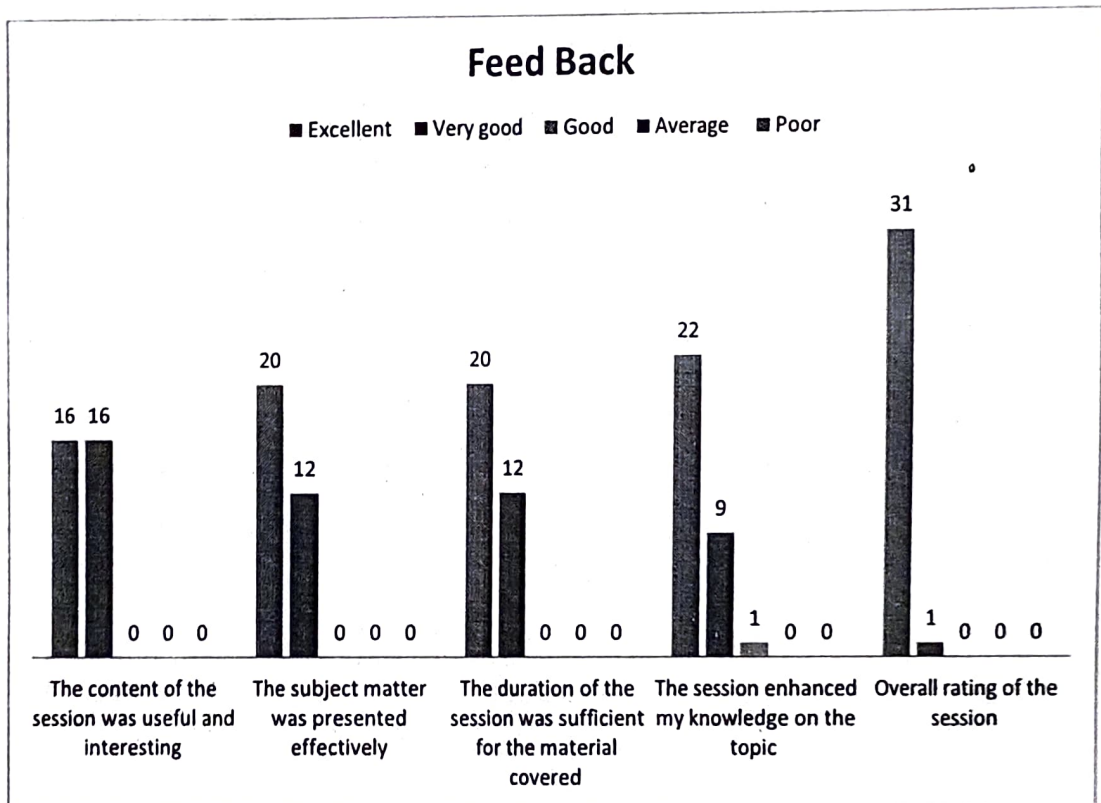
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## Feedback Consolidation

Event Name : Plagiarism Checking tools for researchers

Event Date : 15/10/2020

Resource Person : Dr. Abhilasha P S



  
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# Department of Civil Engineering

Mangalam College of Engineering, Ettumanoor

## Programme Schedule

**2.00 PM: Prayer**

**2.05 PM: Introduction of guest**

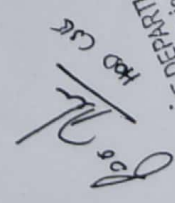
**2.15 PM: Expert Talk on "Plagiarism Checking Tools for Researchers"**

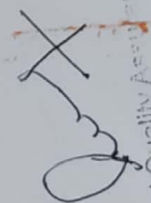
**3.50 PM: Vote of Thanks**

  
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Ettumanoor

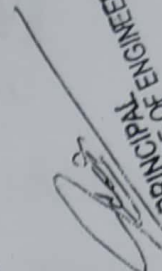
3.2.2 Number of workshops/seminars/conference conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years (5)

Year	Name of the workshop/ seminar/ conference	Number of Participants	Date From – To	Link to the Activity report on the website
2020	Overview of indian patent filing and IPR	70	14.05.2021	
2021	The Art of research paper writing	78	04.05.2021	
2020	Introduction to Research methodology	60	12.08.2020	
2020	Overview of plagiarism Checking tools	55	18.11.2020	
2021	Ethics in Research	60	09.02.2021	

  
 HOD CSK  
 HEAD OF DEPARTMENT  
 Department of Computer Science & Engineering  
 Mangalam College of Engineering  
 Ettimnoor 686 031

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

  
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# MANGALAM

## COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date: 07.08.2020

### CIRCULAR

Sub: WORKSHOP

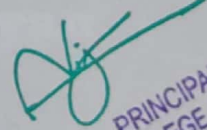
The Department of Computer Science & Engineering has organized a seminar on "INTRODUCTION TO RESEARCH METHODOLOGY" in association with CSI STUDENT CHAPTER on 12<sup>th</sup> August 2020 from 10.00am to 12.30pm. The interested students are directed to register for the event through class in charge.

(HOD – CSE)

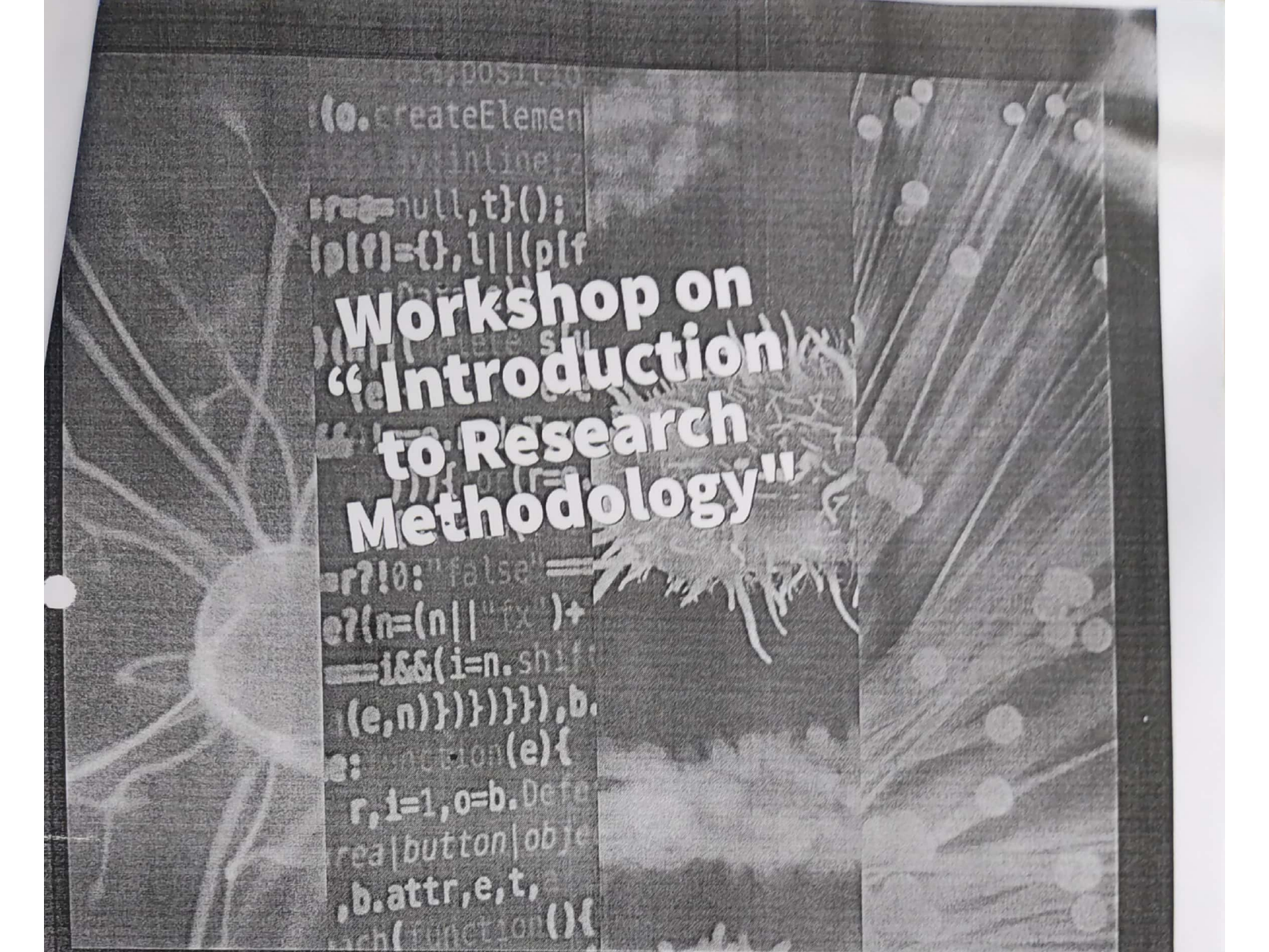
  
HEAD OF DEPARTMENT  
Department of Computer Science & Engineering  
Mangalam College of Engineering  
Ettumanoor 686 631

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1. Dept. Notice board/ Class noticeboard
2. Department NoticeFile
3. Class File

  
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Ettumanoor






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# Workshop on "Introduction to Research Methodology"

**Dr. Vinodh P Vijayan**

  
Dr. Vinodh P Vijayan  
MANGALAM COLLEGE OF ENGINEERING  
Chennai

**AUG 12 | 10:00AM - 3:30PM**  
**DEPARTMENT OF CSE**  
**MANGALAM COLLEGE OF ENGINEERING**

**MANGALAM COLLEGE OF ENGINEERING  
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
WORKSHOP ON INTRODUCTION TO RESEARCH METHODOLOGY**

**RESOURCE PERSON PROFILE**

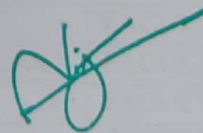



**Dr. Vinodh P Vijayan M.Tech, Ph.D**

Dr. Vinodh P Vijayan has completed Bachelors Degree in Electronics and Communication Engineering, Post graduation in Computer Science Engineering and Ph.D in Computer Science & Engineering. He has many years of experience in teaching Undergraduate program and Post graduate programs of M G University and KTU.

He was an Adjunct professor for IGNOU post graduate programs and visiting faculty for BITS Pilani's Post Graduate programs. He has presented and published papers in many National and International Conferences, he has also associated with organizing many national and international conferences. Currently he is having publications in SCI, SCIE & Scopus indexed International Journals/ proceedings. Recently have many patents for his credit. He aims to provide innovators with high quality technology information and related services as well as help innovators to create, protect, and manage their intellectual property rights by encouraging them by various motivations

He has served as author/reviewer for many technical publications. His research area includes Soft Computing, AI, Bio-inspired computing, Computer Networks, IoT etc.



  
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Department of Computer Science & Engineering  
Mangalam College of Engineering  
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**MANGALAM COLLEGE OF ENGINEERING**  
**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
**WORKSHOP ON "INTRODUCTION TO RESEARCH METHODOLOGY"**  
**PARTICIPANTS**

DATE: 12.8.2020

Sl. No.	Name of Student	Year
1	KRIPA RACHEL THOMAS	IV
2	MELVIN K MATHEW	IV
3	MIDHUN PRASAD	IV
4	MIDHUNA NAVEEN	IV
5	MINZA THAZNI	IV
6	MOTTY SABU	IV
7	NEETHUMOL K J	IV
8	NITHIN THOMAS	IV
9	POORNA SUDHAKARAN	IV
10	PREETHI PRASANNAN NAIR	IV
11	PRITTY MARY MATHEW	IV
12	RAKHI R NAIR	IV
13	ROHAN JUSTIN	IV
14	ROSHAN JO	IV
15	ROSHAN M THOMAS	IV
16	SAJANA SAJI	IV
17	SHALDRIN EMERSON	IV
18	SHERIN JOSEPH	IV
19	SHIHANAMOL B	IV
20	SHILPA K MOHANAN	IV
21	SREEDEVI DEVARAJ	IV
22	SREELAKSHMI K U	IV
23	SREELAKSHMI S	IV
24	SURYA BABU	IV
25	SURYA R	IV
26	SUSANNA SAJAN	IV
27	T S SHABANAM	IV
28	TINTU SAMSONT	IV
29	VARUN GOPINATH	IV
30	VISHNU VINOD	IV
31	Gopika B	PG1
32	Muhamed Kabbeer P	PG1

Sl. No.	Name of Student	Year
33	ASIRVAD ABRAHAM	IV
34	ASWATHY M N	IV
35	ASWATHY PRASAD	IV
36	BRINCY KURIAKOSE	IV
37	AARCHA MOL AV	IV
38	ADITHYA SAJIKUMAR	IV
39	AKSHAYA P	IV
40	ALKA MARIA JOHNSON	IV
41	ANANDU B NAIR	IV
42	ANANDU PRASAD	IV
43	ANANTHU E R	IV
44	ANITT SUNNY	IV
45	ANJANA PRADEEP	IV
46	ANNA BENNY	IV
47	ANN MARY FRANCIS	IV
48	ARAVIND AJI	IV
49	ARJUNADAS N M	IV
50	ARUN K STANLY	IV
51	ARYA SOMARAJ	IV
52	ASHIK KISHOR	IV
53	ASIRVAD ABRAHAM	IV
54	ASWATHY M N	IV
55	ASWATHY PRASAD	IV
56	NEENA JOSEPH	FACULTY
57	SIMY MARY KURIAN	FACULTY
58	TINU THOMAS	FACULTY
59	NIMMYMOL MANUEL	FACULTY
60	DIVYA S B	FACULTY

Co-ordinator:

  
**PRINCIPAL**  
**MANGALAM COLLEGE OF ENGINEERING**  
 Ettumanoor

  
**HEAD OF DEPARTMENT**  
 Department of Computer Science & Engineering  
 Mangalam College of Engineering  
 Ettumanoor 686 631


Timestamp	Name	Institution Name	Branch	Give your valuable feedback on the session [How well the resource person focus on the topic?]	Give your valuable feedback on the session [How did the session compare to your expectations?]	Give your valuable feedback on the session [How would you evaluate the way of presentation]	Give your valuable feedback on the session [How would you rate your overall satisfaction on the topic]	Suggestions for improvement if any
2021/09/02 5:19:05 PM GMT+5:30	KRIPA RACHEL THOMAS	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Good
2021/09/02 5:37:57 PM GMT+5:30	MELVIN K MATHEW	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Null
2021/09/02 5:38:00 PM GMT+5:30	MIDHUN PRASAD	Mangalam College of Engineering,	CSE	Very Good	Very Good	Very Good	Very Good	no
2021/09/02 5:38:05 PM GMT+5:30	MIDHUNA NAVEEN	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	NIL
2021/09/02 5:38:06 PM GMT+5:30	MINZA THAZNI	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	It's good
2021/09/02 5:38:19 PM GMT+5:30	MOTTY SABU	Mangalam College of Engineering,	CSE	Excellent	Very Good	Very Good	Excellent	NA
2021/09/02 5:38:23 PM GMT+5:30	NEETHUMOL K J	Mangalam College of Engineering,	CSE	Very Good	Very Good	Very Good	Very Good	No
2021/09/02 5:38:23 PM GMT+5:30	NITHIN THOMAS	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Nil
2021/09/02 5:38:31 PM GMT+5:30	POORNA SUBHAKARAN	Mangalam College of Engineering,	CSE	Very Good	Very Good	Very Good	Very Good	Nil
2021/09/02 5:38:33 PM GMT+5:30	PREETHI PRASANNA NAIK	Mangalam College of Engineering,	CSE	Very Good	Very Good	Excellent	Very Good	Nothing
2021/09/02 5:38:50 PM GMT+5:30	PRITTY MARY MATHEW	Mangalam College of Engineering,	CSE	Fair	Very Good	Fair	Fair	Nothing much
2021/09/02 5:38:56 PM GMT+5:30	RAKHI R NAIK	Mangalam College of Engineering,	CSE	Excellent	Very Good	Very Good	Very Good	Nil
2021/09/02 5:38:59 PM GMT+5:30	ROHAN JUSTIN	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	No suggestions
2021/09/02 5:39:06 PM GMT+5:30	ROSHAN JO	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Nil
2021/09/02 5:39:14 PM GMT+5:30	ROSHAN M THOMAS	Mangalam College of Engineering,	CSE	Excellent	Very Good	Excellent	Very Good	Good class....easy to understand
2021/09/02 5:39:18 PM GMT+5:30	SAJANA SAJI	Mangalam College of Engineering,	CSE	Excellent	Very Good	Very Good	Very Good	more
2021/09/02 5:39:19 PM GMT+5:30	SHALDRIN EMERSON	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Nothing
2021/09/02 5:39:21 PM GMT+5:30	SHERIN JOSEPH	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Nil
2021/09/02 5:39:28 PM GMT+5:30	SHIHANAMOL B	Mangalam College of Engineering,	CSE	Very Good	Very Good	Very Good	Very Good	No suggestions
2021/09/02 5:39:37 PM GMT+5:30	SHILPA K MOHANAN	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	No
2021/09/02 5:39:44 PM GMT+5:30	SREEDEVI DEVARAJ	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	no
2021/09/02 5:39:52 PM GMT+5:30	SREELAKSHMI K U	Mangalam College of Engineering,	CSE	Very Good	Very Good	Very Good	Excellent	NIL
2021/09/02 5:39:55 PM GMT+5:30	SREELAKSHMI S	Mangalam College of Engineering,	CSE	Excellent	Excellent	Very Good	Excellent	Nil
2021/09/02 5:39:57 PM GMT+5:30	SURYA BABU	Mangalam College of Engineering,	EEE	Very Good	Very Good	Very Good	Excellent	No Nothing its very good
2021/09/02 5:40:00 PM GMT+5:30	SURYA R	Mangalam College of Engineering,	EEE	Very Good	Very Good	Excellent	Very Good	Nothing


  
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**ERUMAMANGALAM**

2021/09/02 5:40:06 PM GMT+5:30	SUSANNA SAJAN	Mangalam College of Engineering,	ML	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good
2021/09/02 5:40:24 PM GMT+5:30	T S SHABANAM	Mangalam College of Engineering,	ME	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	No suggestions.
2021/09/02 5:40:26 PM GMT+5:30	TINTU SAMISONT	Mangalam College of Engineering,	ME	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	No suggestions.
2021/09/02 5:40:57 PM GMT+5:30	VARUN GOPINATH	Mangalam College of Engineering,	ME	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Nil
2021/09/02 5:40:57 PM GMT+5:30	VIISHNU VINOD	Mangalam College of Engineering,	ME	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	No
2021/09/02 5:41:01 PM GMT+5:30	Gopika B	Mangalam College of Engineering,	ECE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good session
2021/09/02 5:41:08 PM GMT+5:30	Muhammed Kabeer P	Mangalam College of Engineering,	ECE	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	nil
2021/09/02 5:41:30 PM GMT+5:30	ASIRVAD ABRAHAM	Mangalam College of Engineering,	ECE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Nil
2021/09/02 5:41:37 PM GMT+5:30	ASWATHY M N	Mangalam College of Engineering,	CE	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Nothing
2021/09/02 5:41:57 PM GMT+5:30	ASWATHY PRASAD	Mangalam College of Engineering,	CE	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	No suggestions
2021/09/02 5:42:02 PM GMT+5:30	BRINCY KURIAKOSE	Mangalam College of Engineering,	CE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	No suggestions
2021/09/02 5:42:25 PM GMT+5:30	AARCHA MOL AV	Mangalam College of Engineering,	CE	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	None
2021/09/02 5:42:30 PM GMT+5:30	ADITHYA SAJUKUMAR	Mangalam College of Engineering,	BSH	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	N/A
2021/09/02 5:42:30 PM GMT+5:30	AKSHAYA P	Mangalam College of Engineering,	ECE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	No
2021/09/02 5:42:33 PM GMT+5:30	ALKA MARIA JOHNSON	Mangalam College of Engineering,	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	No
2021/09/02 5:42:42 PM GMT+5:30	ANANDU B NAIR	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Nothing more
2021/09/02 5:42:44 PM GMT+5:30	ANANDU PRASAD	Mangalam College of Engineering,	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Nil
2021/09/02 5:42:46 PM GMT+5:30	ANANTHU E R	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	no
2021/09/02 5:42:51 PM GMT+5:30	ANITT SUNNY	Mangalam College of Engineering,	ME	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Its great
2021/09/02 5:42:55 PM GMT+5:30	ANJANA PRADEEP	Mangalam College of Engineering,	ECE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	It was a good class
2021/09/02 5:42:55 PM GMT+5:30	ANNA BENNY	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Nothing
2021/09/02 5:43:00 PM GMT+5:30	ANN MARY FRANCIS	Mangalam College of Engineering,	CE	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	good
2021/09/02 5:43:02 PM GMT+5:30	ARAVIND AJI	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	No suggestions.
2021/09/02 5:43:27 PM GMT+5:30	ARJUNADAS N M	Mangalam College of Engineering,	CE	Very Good	Fair	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Good class
2021/09/02 5:43:28 PM GMT+5:30	ARUN K STANLEY	Mangalam College of Engineering,	CSE	Excellent	Very Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Nothing
2021/09/02 5:43:38 PM GMT+5:30	ARYA SOMARAJ	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Nothing
2021/09/02 5:43:40 PM GMT+5:30	ASHIK KISHOR	Mangalam College of Engineering,	EEE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Nothing
2021/09/02 5:44:07 PM GMT+5:30	ASIRVAD ABRAHAM	Mangalam College of Engineering,	ME	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Nil


  
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**MANGALAM COLLEGE OF ENGINEERING**  
**ETHURAIKOTTAI**

2021/09/02 5:44:09 PM GNT+5:30	ASWATHY M N	Mangalam College of Engineering	EE	Fair	Very Good	Fair	Very Good	Very Good	Very Good	Very Good	Very Good	Urgent Res-Malayalam
2021/09/02 5:44:14 PM GNT+5:30	ASWATHY PRASAD	Mangalam College of Engineering	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Nil
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2021/09/02 5:44:50 PM GNT+5:30	DANI K BABY	Mangalam College of Engineering	CSE	Excellent	Very Good	Excellent	Very Good	Very Good	Excellent	Very Good	Excellent	No suggestions
2021/09/02 5:45:04 PM GNT+5:30	DEVITH PRASAD	Mangalam College of Engineering	CSE	Excellent	Excellent	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	No
2021/09/02 5:45:47 PM GNT+5:30	GORICAN	Mangalam College of Engineering	CSE	Very Good	Excellent	Very Good	Very Good	Excellent	Excellent	Excellent	Excellent	It was nice
2021/09/02 5:46:06 PM GNT+5:30	JATHIN JAYAKUMAR	Mangalam College of Engineering	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	Excellent	Excellent	Excellent	Excellent class

  
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# "Introduction to Research Methodology"

## Introduction to Research Methodology

Lynn W Zimmerman, PhD search-i/

**What is Research?** endless sometimes painful convincing experiment  
findings consistent analysis implications publish statistics never perfect boring time  
consuming experts unpredictable University of Hawaii data

## **What is Methodology?** A specific way or method of performing a process

An organized, documented set of procedures and guidelines A step-by-step approach for carrying out the procedure

## **What is Research Methodology?**

Methods to collect data, and the concepts and theories which underlie the methods A scientific and systematic way to solve a research problem by using various logical steps Helps to define and clarify the process and the product of the research Aims to describe and analyze the methods themselves, to clarify their strengths and limitations

## **Influences on Research**

Expectations and possibilities concerning research in your field What do people in education do research on? Effectiveness of teaching strategies Student motivation Effects of testing on learning Influence on learning of sequence of instruction

## **Three Types of Research**

Basic or theoretical Practical Applied

## **Quantitative Research Methodologies**

collect quantitative data measure variables verify existing theories or hypotheses or questioning them data often used to generate new hypotheses emphasizes the measurement and analysis of causal relationships between variables, not processes.

## **Qualitative Research Methodologies**

to understand meanings look at, describe and understand experience, ideas, beliefs and values seeks answers to questions that stress how social experience is created and given meanings subjects that are difficult to quantify

## **Side-by-Side Comparison Chart**

Qualitative Quantitative Data - words, pictures or objects. Data - numbers and statistics. Inductive - derived from specific examples. Deductive - based on logical analysis of available facts. Researcher discloses biases, values, and experiences that may impact interpretation of results. The researcher documents the results using objective language. Gathers data through interviews, observations, content analysis, etc. Uses tools, such as questionnaires or equipment to collect numerical data. The design emerges as the study unfolds. Researcher carefully designs all aspects of study before collecting data. Researcher may only know roughly in advance what he/she is looking for. The researcher knows clearly in advance what he/she is looking for. What? Why? How many? Natural setting. Highly controlled. Quotes, bar/line graphs, pie charts. Pie charts, statistics, and graphs.

## **Example: Analysis of an Oil Painting**

Qualitative Quantitative Blue/green color Gold frame Smells old and musty Texture shows masterful brush strokes Peaceful scene of the countryside Picture is 10" X 14" With frame, 14" x 18" Weight 8.5 pounds Surface area of painting = 140 sq. in. Cost = \$300

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**Variables Variable - something that changes**

it changes according to different factors Researchers, especially quantitative researchers are often seeking to measure variables. The two primary types of variables are Independent – the variable the researcher wants to measure (the cause) Dependent – the effect (or assumed effect)

**Mixed Method** A combination of both - often quantitative to establish baselines and background and qualitative for follow up triangulate back up one set of findings from one method of data collection supported by one methodology, with another very different method underpinned by another methodology

**Why Do Research? Objectives of research To discover new facts**

To verify or test important facts To analyze an event, process or phenomenon To identify a cause/effect relationship To develop new scientific tools, concepts and theories to solve and understand scientific and nonscientific problems To find solutions to scientific, nonscientific, and social problems To overcome or solve problems occurring in our everyday lives

**Bases for Research by Educators**

Practical problems which arise in the classroom Secondary sources – articles and conference presentations about someone else's research which may raise questions for further research Primary research – reports of data which may raise questions for further research

**Qualitative and Quantitative Research in Education**

Educational research has moved away from relying only on quantitative research and toward more qualitative research Quantitative methods developed by the natural science to study natural phenomena. Examples: surveys, laboratory experiments, numerical methods, etc. Qualitative methods developed in the social sciences to enable researchers to study social and cultural phenomena. Examples: Action research, case study research

**Purpose of Educational Research**

Advancement of knowledge of education and learning processes Development of tools and methods necessary to support them. May be undertaken at the individual, situational, institutional, and social structural levels of analysis

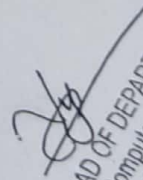
**What Educational Researchers Do**

Education researchers aim to describe, understand, and explain how learning takes place throughout the life cycle how formal and informal processes of education affect learning, attainment, and the capacity to lead productive lives. Unifying purpose - to build cumulative and sound knowledge about human and social process of fundamental significance to individuals, to groups, and to the larger society

**Revisit Your Definition**

Research is planned, systematic investigation has testable theories attempts to study phenomenon through careful description and identification, sometimes controlling and manipulating them to study them in isolation to discover and obtain knowledge.

  
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# MANGALAM

## COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date: 12.11.2020

### CIRCULAR

Sub: SEMINAR


The Department of Computer Science & Engineering has organized a seminar on "OVERVIEW OF PLAGARISM CHECKING TOOLS" in association with CSI STUDENT CHAPTER on 12<sup>th</sup> November 2020 from 10.00am to 12.30pm. The interested students are directed to register for the event through class in charge.

(HOD – CSE)

  
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1. Dept. Notice board/ Class noticeboard
2. Department NoticeFile
3. Class File

  
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# Seminar on Plagiarism Checking Tools

**Dr. E Gopinathan**

**NOV 18 | 10:00AM - 12:30PM**  
**DEPARTMENT OF CSE**  
**MANGALAM COLLEGE OF ENGINEERING**

## Profile

1. Name : Erambally Gopinathan
2. Date of birth : 04-05-1946
3. Religion : Hindu
4. Address for communication : Aswathi, Behind S. N. Edn. Society,  
: ArabindGhosh Road, Calicut, Kerala-673032
5. Phone No. : 9447456272 (mob), 0495-2768296 (landline)
6. E mail id. : [egopileo@gmail.com](mailto:egopileo@gmail.com)/ [egnath@rediffmail.com](mailto:egnath@rediffmail.com)
7. Qualification:


Sl. No.	Degree	Year of Passing	College/Institute
1	B.Sc. (Engineering)	1970	College of Engineering, Trivandrum
2	M. Tech.	1977	I I T Kanpur
3	Ph. D.	1985	I I T Delhi

8. Academic Experience: Total teaching and research experience-more than 44 years

Sl. No.	Post held	From	To	Organization
1	Probationary Engineer	August 1970	May 1971	Bharat Electronics Ltd. Bangalore
2	Lecturer	May 1971	June 1983	Regional Engineering College, Calicut
3	Asst. Professor	June 1983	June 1988	Regional Engineering College, Calicut
4	Professor	June 1988	May 2011	REC/ NIT Calicut
5	Dean	July 2011	July 2015	Vels University, Chennai

9. Administrative Experience:

Sl. No.	Post held	From	To	Organization
1	HoD,	2001	2004	REC Calicut
2	Chairman, Education Technology & Library	2004	2006	NIT Calicut
3	Dean (Research & Consultancy Work)	2006	2006	NIT Calicut
4	Dean (Academics)	2007	2008	NIT Calicut
5	Dean (Planning & Development)	2008	2009	NIT Calicut

  
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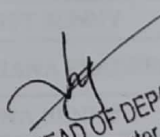
6	Director	2010	2011	NIT Calicut
7	Dean	2011	2015	Vels University, Chennai

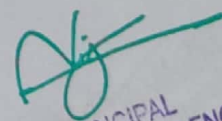
10. Research Experience:

- i. Published more than 65 papers in International/ National Journals/ Conferences
- ii. Produced 3 Ph. Ds at REC/ NIT Calicut
- iii. One Ph. D. submitted at Vels University

11. Membership of Govt./ Autonomous Organizations:

- i. Was a member of NBA (National Board of Accreditation)-accredited about 30 colleges/institutions.
- ii. Visited more than 200 Engineering colleges all over India as a member of AICTE
- iii. Appointed me as a one man commission to inspect and report all newly started Engineering colleges under Calicut university
- iv. Was a member of Board of Studies/ Academic Council/ Advisory Committee / Governors of several colleges/universities such as Calicut/ CUSAT/JNTU/ Amrita VisvaVidyaPeetam/ Bangalore/NIT/Sahrdayaetc.
- v. Expert member of UPSC (confidential work)/ DRDO (confidential work)
- vi. Senior project advisor for TEQUIP Projects at IHRD College of Engineering at Karunagappally and Cherthala

  
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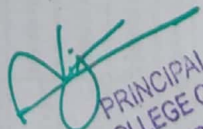
**MANGALAM COLLEGE OF ENGINEERING**  
**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
**SEMINAR ON "OVERVIEW OF PLAGARISM DETECTION TOOLS"**  
**PARTICIPANTS**

DATE: 18.11.2020

Sl. No.	Name of Student	Year
1	KRIPA RACHEL THOMAS	IV
2	MELVIN K MATHEW	IV
3	MIDHUN PRASAD	IV
4	MIDHUNA NAVEEN	IV
5	MINZA THAZNI	IV
6	MOTTY SABU	IV
7	NEETHUMOL K J	IV
8	NITHIN THOMAS	IV
9	POORNA SUDHAKARAN	IV
10	PREETHI PRASANNAN NAIR	IV
11	PRITTY MARY MATHEW	IV
12	RAKHI R NAIR	IV
13	ROHAN JUSTIN	IV
14	ROSHAN JO	IV
15	ROSHAN M THOMAS	IV
16	SAJANA SAJI	IV
17	SHALDRIN EMERSON	IV
18	SHERIN JOSEPH	IV
19	SHIHANAMOL B	IV
20	SHILPA K MOHANAN	IV
21	SREEDEVI DEVARAJ	IV
22	SREELAKSHMI K U	IV
23	SREELAKSHMI S	IV
24	SURYA BABU	IV
25	SURYA R	IV
26	SUSANNA SAJAN	IV
27	T S SHABANAM	IV
28	TINTU SAMSONT	IV
29	VARUN GOPINATH	IV
30	VISHNU VINOD	IV

Sl. No.	Name of Student	Year
31	Gopika B	PG1
32	Muhamed Kabeer P	PG1
33	ASIRVAD ABRAHAM	IV
34	ASWATHY M N	IV
35	ASWATHY PRASAD	IV
36	BRINCY KURIAKOSE	IV
37	AARCHA MOL AV	IV
38	ADITHYA SAJIKUMAR	IV
39	AKSHAYA P	IV
40	ALKA MARIA JOHNSON	IV
41	ANANDU B NAIR	IV
42	ANANDU PRASAD	IV
43	ANANTHU E R	IV
44	ANITT SUNNY	IV
45	ANJANA PRADEEP	IV
46	ANNA BENNY	IV
47	ANN MARY FRANCIS	IV
48	ARAVIND AJI	IV
49	ARJUNADAS N M	IV
50	ARUN K STANLY	IV
51	ARYA SOMARAJ	IV
52	ASHIK KISHOR	IV
53	ASIRVAD ABRAHAM	IV
54	ASWATHY M N	IV
55	ASWATHY PRASAD	IV

Co-ordinator:

  
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**MANGALAM COLLEGE OF ENGINEERING**  
**Ettumanoor**  
**HEAD OF DEPARTMENT**  
 Department of Computer Science & Engineering  
 Mangalam College of Engineering  
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Timestamp	Name	Institution Name	Branch	Give your valuable feedback on the session [How well the resource person focus on the topic?]	Give your valuable feedback on the session [How did the session compare to your expectations?]	Give your valuable feedback on the session [How would you evaluate the way of presentation]	Give your valuable feedback on the session [Was the session interactive?]	Give your valuable feedback on the session [How would you rate your overall satisfaction on the topic]	Suggestions for improvement if any
2021/09/02 5:19:05 PM GMT+5:30	KRIPA RACHEL THOMAS	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Good
2021/09/02 5:37:57 PM GMT+5:30	MELVIN K MATHEW	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Null
2021/09/02 5:38:00 PM GMT+5:30	MIDHUN PRASAD	Mangalam College of Engineering,	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	no
2021/09/02 5:38:05 PM GMT+5:30	MIDHUNA NAVEEN	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	NIL
2021/09/02 5:38:06 PM GMT+5:30	MINZA THAZNI	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	It's good
2021/09/02 5:38:19 PM GMT+5:30	MOTTY SABU	Mangalam College of Engineering,	CSE	Excellent	Very Good	Excellent	Very Good	Excellent	NA
2021/09/02 5:38:23 PM GMT+5:30	NEETHUMOL K J	Mangalam College of Engineering,	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	No
2021/09/02 5:38:23 PM GMT+5:30	NITHIN THOMAS	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nil
2021/09/02 5:38:31 PM GMT+5:30	POORNA SUDHAKARAN	Mangalam College of Engineering,	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	Nil
2021/09/02 5:38:33 PM GMT+5:30	PREETHI PRASANNA NAIR	Mangalam College of Engineering,	CSE	Very Good	Very Good	Excellent	Very Good	Very Good	Nothing
2021/09/02 5:38:50 PM GMT+5:30	PRITTY MARY MATHEW	Mangalam College of Engineering,	CSE	Fair	Very Good	Fair	Fair	Fair	Nothing much
2021/09/02 5:38:56 PM GMT+5:30	RAKHI R NAIR	Mangalam College of Engineering,	CSE	Excellent	Very Good	Very Good	Very Good	Very Good	Nil
2021/09/02 5:38:59 PM GMT+5:30	ROHAN JUSTIN	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	No suggestions
2021/09/02 5:39:06 PM GMT+5:30	ROSHAN JO	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nil
2021/09/02 5:39:14 PM GMT+5:30	ROSHAN M THOMAS	Mangalam College of Engineering,	CSE	Excellent	Very Good	Excellent	Excellent	Very Good	Good
2021/09/02 5:39:18 PM GMT+5:30	SAJANA SAJI	Mangalam College of Engineering,	CSE	Excellent	Very Good	Very Good	Very Good	Very Good	class...easy more
2021/09/02 5:39:19 PM GMT+5:30	SHALDRIN EMERSON	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nothing
2021/09/02 5:39:21 PM GMT+5:30	SHERIN JOSEPH	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nil
2021/09/02 5:39:28 PM GMT+5:30	SHIHANAMOL B	Mangalam College of Engineering,	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	No suggestions
2021/09/02 5:39:37 PM GMT+5:30	SHILPA K MOHANAN	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	No
2021/09/02 5:39:44 PM GMT+5:30	SREEDEVI DEVARAJU	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	no
2021/09/02 5:39:52 PM GMT+5:30	SREELAKSHMI K U	Mangalam College of Engineering,	CSE	Very Good	Very Good	Excellent	Very Good	Excellent	NIL
2021/09/02 5:39:55 PM GMT+5:30	SREELAKSHMI S	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Very Good	Excellent	No

2021/09/02 5:39:57 PM GMT+5:30	SURYA BABU	Mangalam College of Engineering.	EEE	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Nothing very good
2021/09/02 5:40:00 PM GMT+5:30	SURYA R	Mangalam College of Engineering.	EEE	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Nothing
2021/09/02 5:40:06 PM GMT+5:30	SUSANNA SAJAN	Mangalam College of Engineering.	ME	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good
2021/09/02 5:40:24 PM GMT+5:30	T S SHABANAM	Mangalam College of Engineering.	ME	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	No suggestions.
2021/09/02 5:40:26 PM GMT+5:30	TINTU SAMSONT	Mangalam College of Engineering.	ME	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	No suggestions
2021/09/02 5:40:57 PM GMT+5:30	VARUN GOPINATH	Mangalam College of Engineering.	ME	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Nil
2021/09/02 5:40:57 PM GMT+5:30	VISHNU VINOD	Mangalam College of Engineering.	ME	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	No
2021/09/02 5:41:01 PM GMT+5:30	Gopika B	Mangalam College of Engineering.	ECE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good session
2021/09/02 5:41:08 PM GMT+5:30	Muhammed Kabeer P	Mangalam College of Engineering.	ECE	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	nil
2021/09/02 5:41:30 PM GMT+5:30	ASIRVAD ABRAHAM	Mangalam College of Engineering.	ECE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Nil
2021/09/02 5:41:37 PM GMT+5:30	ASWATHY M N	Mangalam College of Engineering.	CE	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Nothing
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2021/09/02 5:42:25 PM GMT+5:30	AARCHA MOL AV	Mangalam College of Engineering.	CE	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	None
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2021/09/02 5:42:30 PM GMT+5:30	AKSHAYA P	Mangalam College of Engineering.	ECE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	No
2021/09/02 5:42:33 PM GMT+5:30	ALKA MARIA JOHNSON	Mangalam College of Engineering.	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	No
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2021/09/02 5:42:44 PM GMT+5:30	ANANDU PRASAD	Mangalam College of Engineering.	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Nil
2021/09/02 5:42:46 PM GMT+5:30	ANANTHU E R	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	no
2021/09/02 5:42:51 PM GMT+5:30	ANITT SUNNY	Mangalam College of Engineering.	ME	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Its great
2021/09/02 5:42:55 PM GMT+5:30	ANJANA PRADEEP	Mangalam College of Engineering.	ECE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	It was a good class
2021/09/02 5:42:55 PM GMT+5:30	ANNA BENNY	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Nothing
2021/09/02 5:43:00 PM GMT+5:30	ANN MARY FRANCIS	Mangalam College of Engineering.	CE	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	good
2021/09/02 5:43:02 PM GMT+5:30	ARAVIND AJI	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	No suggestions. Good class
2021/09/02 5:43:27 PM GMT+5:30	ARUN DAS N M	Mangalam College of Engineering.	CE	Very Good	Very Good	Fair	Very Good	Very Good	Very Good	Nothing



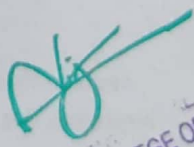


MANGALAM COLLEGE OF ENGINEERING  
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
SEMINAR ON "OVERVIEW OF PLAGARISM CHECKING TOOLS "

DATE: 18.11.2020



*Dr. E Gopinathan giving a talk on Plagarism detection tools*

  
MANGALAM COLLEGE OF ENGINEERING  
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## Presentation on theme: "Overview of plagiarism Checking tools"—

### Presentation transcript:

#### 1 Plagiarism Detection:

Products, Services and Technologies Jagdish Arora Director, INFLIBNET Centre

#### 2 Plagiarism: No Authentic Definition

The word plagiarism originates from the Latin word 'plagiarius' (mean 'kidnapper') in the 17th century. Merriam-Webster's Online Dictionary defines plagiarism as "the act of stealing of work or idea or language with out proper acknowledgment to the author and source"

3 Plagiarism The United States Public Health Service (USPHS) has defined a broader term called "research misconduct" as "fabrication, falsification or plagiarism, in proposing, performing or reviewing the research, or in reporting research results" The United States Office of Research Integrity (ORI) defines plagiarism as "both the theft and misappropriation of intellectual property and the substantial unattributed textual copying of another's work" Plagiarism is appropriation of another person's ideas, processes, results, or words without giving appropriate credit".  
(Satyanarayana, K., 2010)

#### 4 Plagiarism: Terminology

**Fabrication:** Fabrication means making up of data or results and recording or reporting them. **Falsification:** Falsification is manipulating research materials, equipment, or processes or changing or omitting data or results such that the research is not accurately represented in the research record. **Manipulation:** Manipulating research data or tempering of data denotes the intention of giving a false impression. This includes manipulating images, removing outliers or 'inconvenient' results, changing data points, etc.

#### 5 to use (another's production) without crediting the source;

What is Plagiarism? to steal and pass off (the ideas or words of another) as one's own; to use (another's production) without crediting the source; to commit literary theft; and to present as new and original an idea or product derived from an existing source.

#### 6 using rearranged words from a source without a citation.

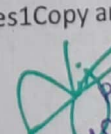
Plagiarism includes: using someone else's exact words without using quotation marks or a citation; using someone else's ideas without using a citation (even if the source is in the bibliography); and using rearranged words from a source without a citation. Copying several words or ideas from a source that it makes up the majority of work, whether you give credit or not.

#### 7 Why People Plagiarise? Lack of knowledge Lack of writing skills

Confusion about how to cite sources Lack of Enforcement Pressures to publish (for career advancement) Lack of time / planning To influence others Competition (parental & colleague pressure) Laziness Fear of failure Language jargon Misconception about terminology Poor time management and organizational skills Cultural factors

#### 8 Types of Plagiarism: Intentional / Unintentional

Paraphrasing Changing grammar, similar meaning, words, and re-ordering sentences in original work  
3 Complete Plagiarism A piece of work copied entirely from one or more sources  
1 Copy and

  
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Paste Copying "word-to-word" textual contents  
2 Self-plagiarism  
Self-plagiarism is when you re-use your own previously written work or data in a new assignment and do not reference it appropriately  
4

### 9 Translated plagiarism

Types of Plagiarism: Intentional / Unintentional  
Code plagiarism Using program code, algorithms, classes, or functions without permission or reference  
7 Idea plagiarism A piece of work copied entirely from one or more sources  
5 Artistic plagiarism Presenting someone else's work using different media, such as text, images, voice or video  
6 Translated plagiarism Cross language content translation and use without reference to original work  
8

### 10 Some Cases of Plagiarism

The Society for Scientific Values (2010) has listed the following instances of plagiarism:  
Kundu et al, NCCS-DBT: This is a case of misrepresentation of data in two JBC publications by Dr. Kundu and his students,, received a very wide coverage in the media. The 2nd paper published in JBC was retracted by the journal.  
Atiyah-Raju Case: Prof C.K. Raju charged Prof Michel Atiyah, former President of the Royal Society, UK, of plagiarizing or claiming inappropriate credit to some of his previously published ideas.  
Khanuja-CIMAP: Besides being a coauthor of most publications and patents originating from CIMAP of which he is the Director, some of the publications of Dr. Khanuja are plagiarized.  
iv) Selladurai, et al, Anna Univ.: Prof Selladurai and his students of Anna University have plagiarized a paper in an international journal.  
v) Vankar, IITK: Dr. Padma Vankar of IITK was charged by the Pesticides Manufacturers and Formulators Association of India with manipulation of pesticide data. Vankar was earlier involved in a plagiarism case.

### 11 Some Cases of Plagiarism


Selladurai, et al, Anna Univ.: Prof Selladurai and his students of Anna University have plagiarized a paper in an international journal. wide coverage in the media. The 2nd paper published in JBC was retracted by the journal.  
Vankar, IITK: Dr. Padma Vankar of IITK was charged by the Pesticides Manufacturers and Formulators Association of India with manipulation of pesticide data. Vankar was earlier involved in a plagiarism case.  
Chiranjeevi, P., a professor at Sri Venkateswara University, Tirupati, was indicted by an internal committee for plagiarizing and falsifying more than 70 research papers.

### 12 Some Cases of Plagiarism

Mashelkar: The highly publicized case of plagiarism involving the Mashelkar Committee on patents, as well as Mashelkar's book on IPR entitled "Intellectual Property and Competitive Strategies in the 21st Century" by Shahid Ali Khan and R.A. Mashelkar that was published by Kluwer in 2004.  
Karmeshu and Sharma, Shachi from JNU has alleged that Demetres Kouvatso, a professor of information systems at the University of Bradford in the UK, copied ideas from a paper submitted to Performance Evaluation, a peer-reviewed journal that rejected the manuscript. Subsequently, Kouvatso and Salam Adli Assi added a few incremental equations to their research and presented a paper at Euro-NGI 2007, a conference held in Norway.

### 13 Some Cases of Plagiarism

Prof. Deepak Pental, Former Vice Chancellor, Delhi University and his colleague Prasad, faced allegations for plagiarising Saradhi's paper on biotechnology and publishing it as their own. He was detained, released on bail.  
Prof. Chandra Krishnamurthy, Vice Chancellor, Pondicherry University

  
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plagiarised most parts in her book "Legal Education in India". Five out of eight chapters and the preface appear to be verbatim copies of papers published by eminent legal scholars. Study of Bird Flight- A Mathematical Approach, Ph.D. thesis submitted to the University of Pune, by M. S. Zahedi under the Guidance of. Dr. Mir Yasin AH Khan. Department of Mathematics, Poona College of Arts and Science. Retraction Watch (

14 Avoiding Plagiarism Avoiding plagiarism is quite simple. The best method for avoiding it is to simply be honest; Understand what constitutes Plagiarism. when you've used a source in your paper, give credit where it's due. Acknowledge the author of the original work you've used. When in doubt cite it. Learn how to properly cite references

15 Plagiarism Detection Manual Detection: By experts in a narrow field of specialization Mixed citation styles Lack of references or quotations Unusual formatting Anomalies of diction Anomalies of style Embedded links, an obvious indicators of copying.

16 Plagiarism Detection Computer-assisted Detection: Using Plagiarism detection software a set of powerful algorithms is used to create a digital fingerprint of a text document. document's fingerprint is cross-referenced against local databases, and Internet. a colour-coded originality report, complete with source links is generated.

#### 17 How does plagiarism checker work?

search each phrase sentence with the corpus and similarity check performed Generate Similarity report The document or text breaks in to small chunks - phrases Digital Fingerprint created from their own corpus and also crawl content from Internet, open and commercial publications and repositories Research Manuscript Submission Own Corpus Crawl from Internet Publications (Open & Commercial) Custom Repository

#### 18 Similarity Detection Approaches

Fingerprinting computing its fingerprint and querying minutiae with a precomputed index of fingerprints 1 String matching documents are compared for verbatim text overlaps. 2 Bag of words Bag of words analysis represent the adoption of vector space retrieval 3 Citation analysis Examines the citation and reference information in texts to identify similar patterns in the citation sequences 4 Stylometry subsumes statistical methods for quantifying an author's unique writing style 5


#### 19 Anti-plagiarism Tools

Open Source Viper Dupli Checker Plagiarism Checker Quetext Commercial Products Turnitini Thenticate URKUND

20 Viper Pros 100% Free All features are available to everyone on the Internet. Your document will be checked against more than 10 billion online resources including journals, books and websites. Cons Mostly targeted to academic students as it is widely used for evaluating student papers.

#### 21 Dupli Checker Pros Free of charge Ease of use

2 Ways to check for Plagiarism Either copy and paste your text in the field and then check it for plagiarisms, or upload a Docx or Text file from your computer. 50 Plagiarism scans per day for registered users Cons 1 Search per day for unregistered users

  
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## 22 Plagiarism Checker Pros Detailed Guidelines

Check if others have Plagiarized your online content Entirely Online Cons Supports Only Google Or Yahoo Browsers If you are using none of those 2 browsers then you might want to look elsewhere

## 23 Quetext Pros No Subscriptions Unlimited Usage

No account, registration or downloads needed. Cons No File Uploading Users can only copy and paste text in the designated area.

## 24 Turnitin 24/7 Access from a Web Browser.

Over 24 billion Web Pages crawled. Over million archived student papers. Over million articles from 110,000+ journals, periodicals & books. Thousands of books including Literary Classics

## 25 iThenticate

## 26 INFLIBNET Provided Two Anti Plagiarism Software during 2014-2015 to 100 Universities

27 URKUND URKUND is a completely automated system against plagiarism and is being successfully used at universities Note that URKUND never determines what is a plagiarism. The reports it provide to your teachers consist, in the event of us finding similarities, of a text comparison. URKUND note the parts of your document that are similar to other sources, in URKUND's archives, on the Internet and in published material, and give the teacher access to the original material where we have found the similarity. URKUND compares textual similarity and subject similarity. Anti-Plagiarism software under Shodhganga by INFLIBNET CENTRE to 179 Universities

## 28 Limitations of Plagiarism Detection Software

Commercially available software very costly Limitation of database available for cross checking Time consuming to check plagiarism using multiple sources with human intervention. Original research work and data are made available to a third party which may lead to copyright violation. Plagiarism detection software can be fooled by making intelligent changes in syntax of plagiarized portion of article or assignment. Detects common phrases and sentences that are used often used by everyone leading to increase in overall proportion of plagiarized content in a given text.

## 29 Prevention Strategies

Frame a clear policies with appropriate disciplinary action Organize orientation programmes on policies regarding plagiarism and research misconduct declaration of academic integrity should be taken from the students before handling the project work. Set-up IR including research articles, dissertations & theses, and student assignments to avoid plagiarism Regulatory bodies like UGC and AICTE should come up with a policy to deal with plagiarism

## 30 Role of Academic Community and Academicians

Possible plan of action for members of academic community: Engage students and colleagues in discussions about plagiarism Try to reach a consensus about what constitutes plagiarism Make distinctions between blatant and trivial plagiarism Determine appropriate consequences to acts of plagiarism Help students to see how ideas evolve, and why it is important to acknowledge the work of others

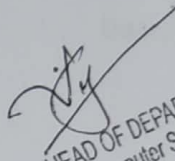
## 31 Role of Academic Community and Academicians

Possible plan of action for members of academic community: Explain how to paraphrase and

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cite. Review drafts of students' writing before the final text is due; try to identify acts of plagiarism early. Explicitly teach students how to search the Internet to find valid, reliable information.

32 Role of Librarians Impart information literacy programme on what is plagiarism, how it can be avoided as well as on topics mentioned below: Locating different kinds of information from print and e-resources; Search strategies Academic honesty Bibliographic citation style Citation Management Software Copyright and fair use IPR related issues.

  
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# MANGALAM

## COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

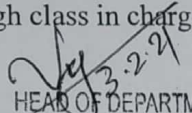
Date: 03.02.2021

### CIRCULAR

**Sub: Expert Talk**

The Department of Computer Science & Engineering has organized an Expert talk on "ETHICS IN RESEARCH" in association with CSI STUDENT CHAPTER on 9<sup>th</sup> February 2021 from 11.00am to 12.30pm. The interested students are directed to register for the event through class in charge.

(HOD – CSE)

  
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Mangalam College of Engineering  
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# EXPERT TALK ON "ETHICS IN RESEARCH"

Resource Person: Dr. E Gopinathan



Date: 9.02.2021  
Time: 11.00 am - 12.30pm

Department of CSE

  
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## Profile

1. Name : Erambally Gopinathan
2. Date of birth : 04-05-1946
3. Religion : Hindu
4. Address for communication : Aswathi, Behind S. N. Edn. Society,  
: ArabindGhosh Road, Calicut, Kerala-673032
5. Phone No. : 9447456272 (mob), 0495-2768296 (landline)
6. E mail id. : [egopileo@gmail.com](mailto:egopileo@gmail.com)/ [egnath@rediffmail.com](mailto:egnath@rediffmail.com)
7. Qualification:

Sl. No.	Degree	Year of Passing	College/Institute
1	B.Sc. (Engineering)	1970	College of Engineering, Trivandrum
2	M. Tech.	1977	IIT Kanpur
3	Ph. D.	1985	IIT Delhi

8. Academic Experience: Total teaching and research experience-more than 44 years

Sl. No.	Post held	From	To	Organization
1	Probationary Engineer	August 1970	May 1971	Bharat Electronics Ltd. Bangalore
2	Lecturer	May 1971	June 1983	Regional Engineering College, Calicut
3	Asst. Professor	June 1983	June 1988	Regional Engineering College, Calicut
4	Professor	June 1988	May 2011	REC/ NIT Calicut
5	Dean	July 2011	July 2015	Vels University, Chennai

9. Administrative Experience:

Sl. No.	Post held	From	To	Organization
1	HoD,	2001	2004	REC Calicut
2	Chairman, Education Technology & Library	2004	2006	NIT Calicut
3	Dean (Research & Consultancy Work)	2006	2006	NIT Calicut
4	Dean (Academics)	2007	2008	NIT Calicut
5	Dean (Planning & Development)	2008	2009	NIT Calicut

  
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6	Director	2010	2011	NIT Calicut
7	Dean	2011	2015	Vels University, Chennai

10. Research Experience:

- i. Published more than 65 papers in International/ National Journals/ Conferences
- ii. Produced 3 Ph. Ds at REC/ NIT Calicut
- iii. One Ph. D. submitted at Vels University

11. Membership of Govt./ Autonomous Organizations:

- i. Was a member of NBA (National Board of Accreditation)-accredited about 30 colleges/institutions.
- ii. Visited more than 200 Engineering colleges all over India as a member of AICTE
- iii. Appointed me as a one man commission to inspect and report all newly started Engineering colleges under Calicut university
- iv. Was a member of Board of Studies/ Academic Council/ Advisory Committee / Governors of several colleges/universities such as Calicut/ CUSAT/JNTU/ Amrita VisvaVidyaPeetam/ Bangalore/NIT/Sahrdayaetc.
- v. Expert member of UPSC (confidential work)/ DRDO (confidential work)
- vi. Senior project advisor for TEQUIP Projects at IHRD College of Engineering at Karunagappally and Cherthala

  
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**MANGALAM COLLEGE OF ENGINEERING**  
**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
**EXPERT TALK ON "ETHICS IN RESEARCH"**  
**PARTICIPANTS**

DATE: 9.2.2021

Sl. No.	Name of Student	Class
1	Dani K Baby	CS8A
2	Devjith Prasad	CS8A
3	Gopika N	CS8A
4	Jathin Jayakumar	CS8A
5	Jezina Shahul	CS8A
6	Jincy Mariyamma	CS8A
7	Jithin Ganesh	CS8A
8	Jithu Suresh	CS8A
9	Job Shibu	CS8A
10	Joseph Thomas	CS8A
11	Karen Sherry	CS8A
12	Kavya Jayakumar	CS8A
13	Kavyamol James	CS8A
14	Migesh K M	CS8A
15	Abhishek Aravind	CS8A
16	Solja Mariya Sunny	CS8A
17	Vishakh P S	CS8A
18	Abel Thottathil	CS8A
19	Amal Don	CS8A
20	Arun Kumar	CS8A
21	Arun Prasanan	CS8A
22	Athul Venkidesh	CS8A
23	Jibin Baby	CS8A
24	Ashwin John Joji	CS8A
25	Bintu Sebastian	CS8A
26	Kripa Rachel Thomas	CS8A
27	Melvin K Mathew	CS8A
28	Midhun Prasad	CS8A
29	Midhuna Naveen	CS8A
30	Minza Thazni	CS8A

Sl. No.	Name of Student	Class
31	Motty Sabu	CS8A
32	Neethumol K J	CS8A
33	Nithin Thomas	CS8A
34	Poorna Sudhakaran	CS8A
35	Preethi Prasannan	CS8A
36	Nair	CS8A
37	Sherin Joseph	CS8A
38	Shihanamol B	CS8A
39	Shilpa K Mohanan	CS8A
40	Sreedevi Devaraj	CS8A
41	Sreelakshmi K U	CS8A
42	Sreelakshmi S	CS8A
43	Surya Babu	CS8A
44	Surya R	CS8A
45	Susanna Sajan	CS8A
46	Zacharia Alexander	CS8A
47	Abhijith S	CS8A
48	Gaius B Samuel	CS8A
49	Gishwin Jacob George	CS8A
50	Gopika B	PG4
51	Muhamed Kabeer P	PG4
52	Amritha Soloman	PG2
53	Anju Sebastian	PG2
54	Grace Philip	PG2
55	Jeswin Johnson	PG2
56	Nayana N Panicker	PG2
57	Nivyamol P Varghese	PG2
58	Premy P Jacob	PG2
59	Reethu Elza Joseph	PG2
60	Sharon Abraham	PG2

Co-ordinator:

  
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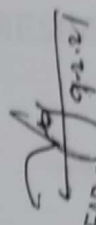
  
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Timestamp	Name	Institution Name	Branch	Give your valuable feedback on the session [How well the resource person focus on the topic?]	Give your valuable feedback on the session [How did the session compare to your expectations?]	Give your valuable feedback on the session [How would you evaluate the way of presentation]	Give your valuable feedback on the session [Was the session interactive?]	Give your valuable feedback on the session [How would you rate your overall satisfaction on the topic]	Suggestions for improvement if any
2021/09/02 5:19:05 PM GMT+5:30	Dani K Baby	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Good
2021/09/02 5:37:57 PM GMT+5:30	Devjith Prasad	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Null
2021/09/02 5:38:00 PM GMT+5:30	Gopika N	Mangalam College of Engineering,	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	no
2021/09/02 5:38:05 PM GMT+5:30	Jathin Jayakumar	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	NIL
2021/09/02 5:38:06 PM GMT+5:30	Jezina Shahul	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	It's good
2021/09/02 5:38:19 PM GMT+5:30	Jincy Mariyamma	Mangalam College of Engineering,	CSE	Excellent	Very Good	Excellent	Very Good	Excellent	NA
2021/09/02 5:38:23 PM GMT+5:30	Jithin Ganesh	Mangalam College of Engineering,	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	No
2021/09/02 5:38:23 PM GMT+5:30	Jithu Suresh	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nil
2021/09/02 5:38:31 PM GMT+5:30	Job Shibu	Mangalam College of Engineering,	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	Nil
2021/09/02 5:38:33 PM GMT+5:30	Joseph Thomas	Mangalam College of Engineering,	CSE	Very Good	Very Good	Excellent	Very Good	Very Good	Nothing
2021/09/02 5:38:50 PM GMT+5:30	Motty Sabu	Mangalam College of Engineering,	CSE	Fair	Very Good	Fair	Fair	Fair	Nothing much
2021/09/02 5:38:56 PM GMT+5:30	Neethumol K J	Mangalam College of Engineering,	CSE	Excellent	Very Good	Very Good	Very Good	Very Good	Nil
2021/09/02 5:38:59 PM GMT+5:30	Nithin Thomas	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	No suggestions
2021/09/02 5:39:06 PM GMT+5:30	Poorna Sudhakaran	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nil
2021/09/02 5:39:14 PM GMT+5:30	Preethi Prasanna	Mangalam College of Engineering,	CSE	Excellent	Very Good	Excellent	Excellent	Very Good	Good class....easy
2021/09/02 5:39:18 PM GMT+5:30	Nair	Mangalam College of Engineering,	CSE	Excellent	Very Good	Very Good	Very Good	Very Good	Need to be more interactive
2021/09/02 5:39:19 PM GMT+5:30	Sherin Joseph	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nothing
2021/09/02 5:39:21 PM GMT+5:30	Shihanamol B	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nil
2021/09/02 5:39:28 PM GMT+5:30	Shilpa K Mohanan	Mangalam College of Engineering,	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	No suggestions
2021/09/02 5:39:31 PM GMT+5:30	Sreedevi Devaraj	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	No
2021/09/02 5:39:44 PM GMT+5:30	Karen Sherry	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	no
2021/09/02 5:39:52 PM GMT+5:30	Kavya Jayakumar	Mangalam College of Engineering,	CSE	Very Good	Very Good	Excellent	Very Good	Excellent	NIL
2021/09/02 5:39:55 PM GMT+5:30	Kavyamol James	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Very Good	Excellent	No

Date	Name	Institution	Stream	Overall	Very Good	Good	No suggestions	Nothing
2021/09/02 5:39:57 PM GMT+5:30	Migesh K M	Mangalam College of Engineering,	EEE	Very Good	Very Good	Very Good	Very Good	Nothing
2021/09/02 5:40:00 PM GMT+5:30	Abhishek Aravind	Mangalam College of Engineering,	EEE	Very Good	Excellent	Very Good	Very Good	Nothing
2021/09/02 5:40:06 PM GMT+5:30	Solija Mariya Sunny	Mangalam College of Engineering,	ME	Excellent	Excellent	Excellent	Excellent	Good
2021/09/02 5:40:24 PM GMT+5:30	Vishakh P S	Mangalam College of Engineering,	ME	Very Good	Very Good	Very Good	Very Good	No suggestions
2021/09/02 5:40:26 PM GMT+5:30	Abel Thottathil	Mangalam College of Engineering,	ME	Excellent	Excellent	Excellent	Excellent	No suggestions
2021/09/02 5:40:57 PM GMT+5:30	Amal Don	Mangalam College of Engineering,	ME	Very Good	Very Good	Very Good	Very Good	Nil
2021/09/02 5:40:57 PM GMT+5:30	Arun Kumar	Mangalam College of Engineering,	ME	Excellent	Excellent	Very Good	Very Good	No
2021/09/02 5:41:01 PM GMT+5:30	Gopika B	Mangalam College of Engineering,	ECE	Excellent	Excellent	Excellent	Excellent	Good session
2021/09/02 5:41:08 PM GMT+5:30	Muhammed Kabeer P	Mangalam College of Engineering,	ECE	Very Good	Very Good	Very Good	Very Good	nil
2021/09/02 5:41:30 PM GMT+5:30	Amritha Solomon	Mangalam College of Engineering,	ECE	Excellent	Excellent	Excellent	Excellent	Nil
2021/09/02 5:41:37 PM GMT+5:30	Anju Sebastian	Mangalam College of Engineering,	CE	Very Good	Excellent	Very Good	Very Good	Nothing
2021/09/02 5:41:57 PM GMT+5:30	Grace Phillip	Mangalam College of Engineering,	CE	Very Good	Very Good	Very Good	Very Good	No suggestions
2021/09/02 5:42:02 PM GMT+5:30	Ieswin Johnson	Mangalam College of Engineering,	CE	Excellent	Excellent	Very Good	Very Good	No suggestions
2021/09/02 5:42:25 PM GMT+5:30	Nayana N Panicker	Mangalam College of Engineering,	CE	Very Good	Very Good	Very Good	Very Good	None
2021/09/02 5:42:30 PM GMT+5:30	Niviyamol P Varghese	Mangalam College of Engineering,	BSH	Very Good	Excellent	Very Good	Excellent	NA
2021/09/02 5:42:30 PM GMT+5:30	Premy P Jacob	Mangalam College of Engineering,	ECE	Excellent	Excellent	Excellent	Excellent	No
2021/09/02 5:42:33 PM GMT+5:30	Reethu Eliza Joseph	Mangalam College of Engineering,	CSE	Very Good	Excellent	Very Good	Very Good	No
2021/09/02 5:42:42 PM GMT+5:30	Sharon Abraham	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Nothing more
2021/09/02 5:42:44 PM GMT+5:30	Arun Kumar	Mangalam College of Engineering,	CSE	Very Good	Very Good	Very Good	Very Good	Nil
2021/09/02 5:42:46 PM GMT+5:30	Arun Prasanan	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	no
2021/09/02 5:42:51 PM GMT+5:30	Athul Venkidesh	Mangalam College of Engineering,	ME	Very Good	Very Good	Very Good	Very Good	Its great
2021/09/02 5:42:55 PM GMT+5:30	Jibin Baby	Mangalam College of Engineering,	ECE	Excellent	Excellent	Excellent	Excellent	It was a good class
2021/09/02 5:42:55 PM GMT+5:30	Ashwin John Joji	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Nothing
2021/09/02 5:43:00 PM GMT+5:30	Blintu Sebastian	Mangalam College of Engineering,	CE	Very Good	Very Good	Very Good	Very Good	good
2021/09/02 5:43:00 PM GMT+5:30	Kripa Rachel Thomas	Mangalam College of Engineering,	CSE	Excellent	Excellent	Very Good	Very Good	No suggestions. Good class

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2021/09/02 5:43:27 PM GMT+5:30	Melvin K Mathew	Mangalam College of Engineering,	CE	Very Good	Fair	Very Good	Very Good	Excellent	Nothing
2021/09/02 5:43:28 PM GMT+5:30	Midhun Prasad	Mangalam College of Engineering,	CSE	Excellent	Very Good	Very Good	Fair	Very Good	Nothing
2021/09/02 5:43:38 PM GMT+5:30	Midhuna Naveen	Mangalam College of Engineering,	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nothing
2021/09/02 5:43:40 PM GMT+5:30	Minza Thazni	Mangalam College of Engineering,	EEE	Excellent	Excellent	Excellent	Excellent	Excellent	Nil
2021/09/02 5:44:07 PM GMT+5:30	Sreelakshmi K U	Mangalam College of Engineering,	ME	Very Good	Very Good	Very Good	Very Good	Very Good	Itz good
2021/09/02 5:44:09 PM GMT+5:30	Sreelakshmi S	Mangalam College of Engineering,	EEE	Fair	Very Good	Fair	Very Good	Very Good	Great cls.. Malayalam would be fine too
2021/09/02 5:44:14 PM GMT+5:30	Surya Babu	Mangalam College of Engineering,	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	Nil
2021/09/02 5:44:45 PM GMT+5:30	Surya R	Mangalam College of Engineering,	ECE	Very Good	Very Good	Excellent	Excellent	Very Good	Could be much more interesting
2021/09/02 5:44:50 PM GMT+5:30	Susanna Sejan	Mangalam College of Engineering,	CSE	Excellent	Very Good	Excellent	Excellent	Excellent	No suggestions
2021/09/02 5:45:04 PM GMT+5:30	Zacharia Alexander	Mangalam College of Engineering,	CSE	Excellent	Excellent	Very Good	Very Good	Very Good	No
2021/09/02 5:45:47 PM GMT+5:30	Abhijith S	Mangalam College of Engineering,	CSE	Very Good	Excellent	Very Good	Excellent	Excellent	It was nice
2021/09/02 5:46:06 PM GMT+5:30	Gaius B Samuel	Mangalam College of Engineering,	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	Excellent class

  
 9-2-21  
 HEAD OF DEPARTMENT  
 Department of Computer Science & Engineering  
 Mangalam College of Engineering  
 Ettimanoor 686 631

  
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MANGALAM COLLEGE OF ENGINEERING  
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
EXPERT TALK ON "ETHICS ON RESEARCH"

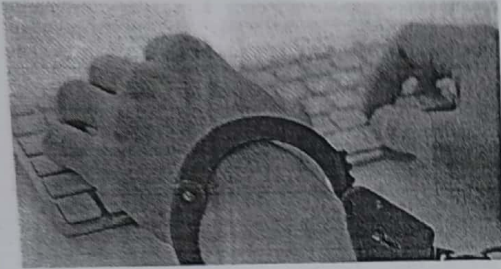
DATE: 09.02.2021



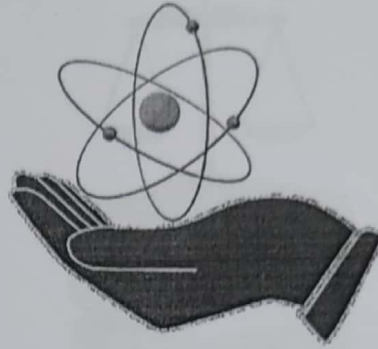
Fig: Dr. E Gopinathan giving a talk on research ethics

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Ethics/mentor

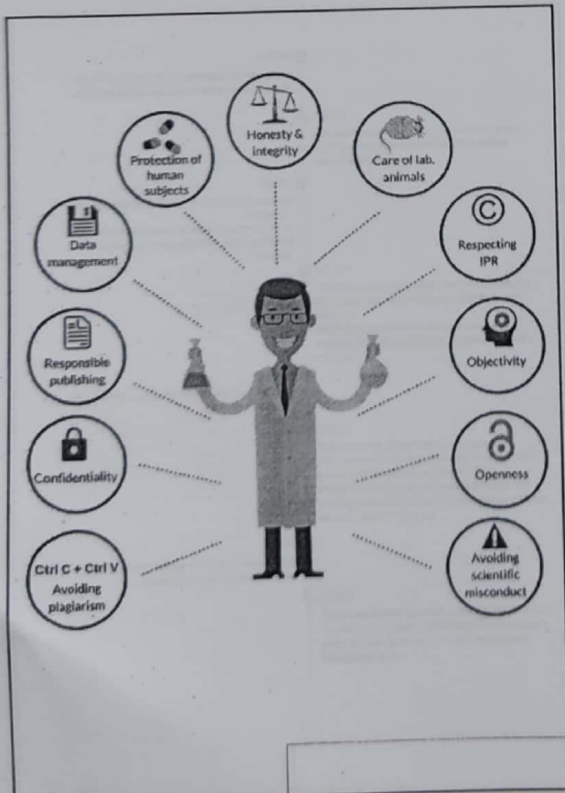
# RESEARCH & PUBLICATION ETHICS



## 1. RESEARCH ETHICS



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### RESEARCH ETHICS & ITS IMPORTANCE

What is ethical conduct of research? You may have often heard the term "ethics." It is generally defined as a set of principles that distinguish between acceptable and unacceptable behavior or way of conducting a task. These guidelines or principles may vary across countries, disciplines, institutions, and even laboratories. For instance, these ethics may not only dictate the conduct and functioning of an organization or a government but also a business entity! Do you know which codes you should follow when conducting your research? One of the most commonly known ethical code in medical practice, the "Hippocratic Oath," dates back to 500 B.C. [1]. Over the years, guidelines such as Nuremberg Code and Declaration of Helsinki have been introduced and implemented into practice. Moreover, ethical policies addressing issues related to plagiarism, fabrication, conflicts of interest etc. are being outlined at different governmental and academic levels. Refer to the ethics timeline below for a detailed overview [2].

Why is it important for you as a researcher to follow these ethical codes? How does

adherence to these can impact your credibility and repute in the scientific community?

Firstly, these ethical codes not only help maintain scientific integrity but also safeguard the primary aim of conducting the research i.e. to promote knowledge and truth [3]. Secondly, these values promote trust, respect, and objectivity in a collaborative work environment by avoiding conflicts related to authorship, copyrights, and others [3]. Moreover, these codes help maintain the safety and interest of human subjects and ensure appropriate care of animal subjects in a clinical or laboratory setting [3]. Lastly, these ethical norms make researchers accountable for the quality and outcome of the research that may directly or indirectly affect public health and interests [3].

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## Research Ethics Timeline

- 1932-1972**  
The Tuskegee Syphilis Study sponsored by U.S. Dept. of Health observed the effect of untreated Syphilis in 400 African men. The patients were uninformed about the experiment and researchers withheld the penicillin treatment.
- 1939-45**  
German scientists conducted research on concentration camp prisoners.
- 1944-1980s**  
The U.S. government sponsored research on effects of radiation on uninformed subjects including cancer patients, pregnant women, and military personnel.
- 1947**  
The Nuremberg Code for research on human subjects was introduced.
- 1953**  
James Watson and Francis Crick discovered the structure of DNA after secretly obtaining diffraction data from Rosalind Franklin without her permission.
- 1964**  
The World Medical Association developed Declaration of Helsinki as a statement of ethical principles for medical research involving human subjects.
- 1960s/1970s**  
Animal protection laws adopted following animal rights movement.
- 1966**  
Henry Beecher exposed 22 unethical studies in an article in N. Engl. J. Med. that included the Tuskegee syphilis study and the Willowbrook hepatitis study. The first Research Ethics Committee (REC) appeared in the UK.

## 2. CODES & POLICIES

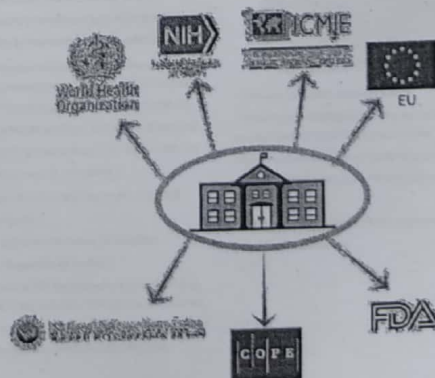


- 1979**  
The Belmont Report was released that became a milestone in human research ethics regulation in the U.S.
- 1989**  
NIH mandates responsible conduct of research education be incorporated to graduate students receiving training grants.
- 2001**  
European Union's Directive 2001/20/EC came into existence. Journals such as Nature and JAMA asked authors to define their responsibilities when publishing research.
- 2010**  
NSF introduced responsible conduct of research (RCR) training for students, investigators, and trainees. The Lancet retracted a fraudulent paper by Andrew Wakefield, linking autism to the measles vaccine.
- 2013**  
NIH and NSF revised conflict of interest guidelines for funded research.
- 2014**  
Nature retracted two high-profile papers on pluripotent stem cells by Hideo Okamoto on the grounds of fabricated and falsified data. Many journals including Science and Nature, and funding agencies such as NIH took steps to advance reproducibility in Science.
- 2016**  
NIH placed a temporary ban on experiments involving human-animal chimeras.
- 2017**  
Seventeen federal agencies published the Final Rule that eliminated the controversial rules of requiring prior consent for all research involving human biological samples.

## CODES AND POLICYMAKERS

Various organizations have played an instrumental role in the development and adoption of the ethical guidelines across universities, funding agencies, publishers, and institutions. Some of the prominent names are listed below. Moreover, universities and research institutes set up an independent administrative entity called ethical committee (EC) or an institutional review board (IRB).

This body is mainly responsible for protecting the rights and welfare of human subjects involved in clinical studies. IRBs and ECs oversee any clinical trial or biomedical research [4]. These entities not only review the protocol but also ensure compliance with the required ethical codes, thereby minimizing any risk to the subjects involved.



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## INTERNATIONAL ETHICS CODES

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Few of the international codes and policies

[2, 3] include:

- Code of Ethics from the International Sociological Association
  - Universal Declaration on Bioethics and Human Rights from UNESCO
  - International Ethical Guidelines for Biomedical Research Involving Human Subjects from the Council for International Organizations of Medical Sciences (CIOMS)
  - Declaration of Helsinki from the World Medical Association
  - Nuremberg Code
  - The Chemical Professional's Code of Conduct from the American Chemical Society
  - Singapore Statement on Research Integrity
  - ICH Guidelines from The International Council for Harmonisation of Technical Requirements for Pharmaceuticals for Human Use
- Shamoo and Resnik have effectively summarized the important ethical requirements for researchers [2].
- Integrity: Fulfill your promises and obligations

tions of your agreements. Show sincerity and consistency in your actions and thoughts.

- Honesty: Communicate and report your research data, results, methods, procedures, and publication status honestly. Strictly avoid falsification, fabrication, and misrepresentation of research output.
- Objectivity: Avoid bias in experiment/ study design, data analysis, data interpretation, peer review, personnel decisions, and grant writing. Disclose both personal and financial interests.
- Competence: Strive to improve your expertise and take effective steps to advance competence in your field.
- Carefulness: Maintain a good record of your research activities including data collection and correspondences with journals. Examine your work thoroughly with peers to avoid errors.
- Openness: Share your data, results, tools, resources, and ideas.
- Legality: Adhere to required governmental and institutional laws/policies.

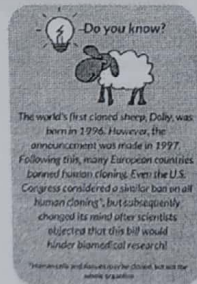
## 3. CONDUCTING & PUBLISHING RESEARCH ETHICALLY

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- Confidentiality: Maintain confidentiality of important information such as patient records, trade or military secrets, grant applications, and papers submitted for publication.
- Non-discrimination: Avoid discrimination against colleagues or students based on gender, sex, ethnicity, race, or religion.
- Respect for Intellectual Property: Do not use published or unpublished material without permission. Avoid plagiarism! Acknowledge and credit the original author/creator. Follow obligations related to a patent, copyright, trademark, and more.
- Responsible Publication: Avoid duplicate publication. Follow publication ethics to advance science and not just your career.
- Responsible Mentoring: Encourage, educate, mentor, and advise students.
- Social Responsibility: Advocate and advance public interests and health through your research.
- Animal Care: Show respect and care for animals in a study by avoiding bad study designs and experiments.
- Human Subjects Protection: Maintain respect, confidentiality, welfare, and dignity of human subjects involved in clinical studies. Minimize any risk/harm to

the study population.



## PROTECTION OF HUMAN SUBJECTS

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Research studies involving human subjects contribute to the advancement of medical and health sciences. Such studies provide insightful data on safety and efficacy of new lines of treatments, therapies, drugs, or devices. However, the involvement of human subjects does increase the risk and harm to the subjects. Therefore, clinical studies are highly scrutinized and regulated. Researchers should not only follow relevant international guidelines but also abide by the local or state regulations for protection and welfare of the human subjects. For instance, in the U.S., Title 45 of the Code of Federal Regulations, Part 46 (45 CFR 46) from Health and Human Services (HHS) and 21 CFR 50 and 56 from FDA, define rules for human subjects research [5]. There are effectively two types of clinical studies [6].

- Intervention studies/clinical trials
- Observational studies

Moreover, different standard guidelines (e.g., CONSORT, STROBE, PRISMA, etc.) do exist for designing, conducting, and reporting intervention and observational studies.

### Commonly used codes in clinical research

- Nuremberg Code
- Declaration of Helsinki
- CIOMS
- U.S. Common Rule
- ICH GCP
- Belmont Report

A resource on health research, called Enhancing the QUALITY and Transparency Of health Research (EQUATOR) provides the most recent information on study designs and reporting standards for researchers and clinicians [7]. For a detailed overview of these statements, refer to the table below.

Most journals require authors to register clinical trials prior to publishing research in public clinical trial registries such as ClinicalTrials.gov, ISRCTN registry, and EU Clinical Trials Register [8]. The journals also encourage authors to submit statements indicating that international guidelines and best practices were followed in these trials.

In addition, statements mentioning that appropriate clearances were taken from research ethics committees or institutional review boards before the conduct of the trials are also required. Journals, therefore, have the right to reject manuscripts that do not follow the required guidelines [9].

Study Types	Reporting Standard	Website
Randomized trials	Consolidated Standards Of Reporting Trials (CONSORT)	www.consort-statement.org
Observational Studies	Strengthening the Reporting of Observational studies in Epidemiology (STROBE)	www.strobe-statement.org
Systematic Reviews	Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA)	www.prisma-statement.org
Case Reports	Consensus-based Clinical Case Reporting Guideline Development (CARE)	www.care-statement.org
Qualitative Research	Standards for Reporting Qualitative Research (SRQR) & Consolidated criteria for reporting qualitative research (COREQ)	
Quality Improvement Studies	Standards for Quality Improvement Reporting Excellence (SQIRE)	www.sqire-statement.org
Economic Evaluations	Consolidated Health Economic Evaluation Reporting Standards (CHEERS)	
Study Protocols	Standard Protocol Items: Recommendations for Interventional Trials (SPIRIT)	www.spirit-statement.org
Clinical Practice Guidelines	Appraisal of Guidelines for Research & Evaluation (AGREE)	www.agree-statement.org

“

Accelerating the development and use of models and tools based on the latest science and technologies, to address important scientific questions without the use of animals

Methods that recommend avoiding or replacing the use of animals



Methods that minimise the number of animals used per experiment

Methods that minimise animal suffering and improve welfare

Appropriately designed and analyzed animal experiments that are robust and reproducible, and truly add to the knowledge base

Advancing research into animal welfare by exploiting the latest in vivo technologies and by improving the understanding of the impact of welfare on scientific outcomes

”

### CARE OF LABORATORY ANIMALS

Studies involving laboratory animals have provided insights into the development of new vaccines and drugs. Unlike human subjects, laboratory animals cannot give informed consent and therefore, the care and use of animal subjects in a study warrant attention from researchers.

An Institutional Animal Care and Use Committee (IACUC) in universities or institutes ensures that appropriate procedures and study protocols are followed for the welfare and humane treatment of all the animal subjects.

Kilkenny et al. laid out extensive guidelines, called ARRIVE (Animal Research: Reporting of In Vivo Experiments) to improve the reporting of studies involving animals [10]. It is a 20-point checklist that is used when submitting manuscripts that outlines or describes animal research.

Moreover, the principles of the 3Rs (Replacement, Reduction, and Refinement) proposed by Russell and Burch more than 50 years ago have now been globally accepted and implemented. Refer to the figure below for a detailed overview of these principles [11].

In addition, the National Institute of Health (NIH) Office of Laboratory Animal Welfare (OLAW) provides extensive resources on policies and guidelines on the use of animals. The journals require authors to submit documents to indicate whether institutional or national guidelines for animal subjects were followed and whether approval was taken from the relevant ethics committees. Many journals reserve the right to reject manuscripts if these requirements are not followed.



### HANDLING CONFLICTS OF INTEREST

The changing dynamics of research environment and collaborations can often give rise to conflicts of interests and commitments/obligations. Therefore, it is important to maintain transparency in research and publication by both authors and publishers.

What constitutes conflicts of interest? For instance, conflicts of interest can arise when a researcher who is heading the research of a product is also a visiting consultant at the parent company. Conflicts of interest can also arise when an author, researcher, editor, or a peer reviewer has a relationship (personal or financial) that can directly or indirectly affect his/her objectivity in making decisions or influence his/her actions [12, 13]. Conflicts of interests [12, 13] can arise because of the following:

- Financial relationships: These can include direct employment, consultancy to a related organization/company, stock options, grants, patents, and paid expert testimony.
- Personal relationships: These can include rivalries and bias.
- Intellectual beliefs: These can include

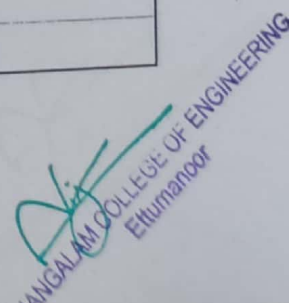
moral convictions or personal beliefs that can influence scientific opinions.

- Academic competition: It can include biased judgements because of the direct or indirect competition with peers or colleagues.

Such situations are sometimes unavoidable and finding yourself in such a situation itself is not unethical [12]. Therefore, all the stakeholders, including authors, editors, and reviewers must maintain transparency and disclose all potential or actual conflicts of interest.

So, what is your responsibility as an author in reporting and managing conflicts of interest? The Office of Research Integrity (ORI) suggests that to manage or remove conflicts of interest, take the following steps [5].

- Disclose all interests so that the stakeholders are aware and can take the required steps.
- Monitor research and research results for transparency and integrity.
- Remove the person in question from important processes such as data interpretation or review process.





**Submitted Work**

Received funds or services from an outside party/organization (any government, private, or commercial entity) for your submitted work (grants, data recording, study design, manuscript preparation, statistical analysis, etc.)  
 If yes, then disclose and state the potential conflicts of interest when submitting your manuscript.



**Financial Interests/Gains**

Have financial relationships with entities such as government agency, foundation, commercial sponsor, academic institution, etc. that are related to the study (directly or indirectly)  
 If yes, then disclose the sources of funding for your work including all sponsors and role of these sponsors in study design, data collection, data analysis, data interpretation, writing and submitting of the manuscript/report etc. If there was no such involvement from the sources, you can provide a statement stating the same.



**Intellectual Property**

Have planned, pending, or issued patents relevant to the work  
 If yes, then disclose and state the potential conflicts of interest when submitting your manuscript.



**Other Relationships**

Have any relationships or carried out activities that readers of the manuscript can potentially perceive to have influenced the ideas/work presented in your work.  
 If yes, then disclose and state the potential conflicts of interest when submitting your manuscript.

ICMJE's most recent recommendations are available at <http://www.icmje.org>. For more information, see the ICMJE website at <http://www.icmje.org>. For more information, see the ICMJE website at <http://www.icmje.org>.

Researchers should, therefore, provide data management plan (DMP) to ethics committees for clinical studies/trials for approval.

Moreover informed consent to obtain data and protecting or anonymising a certain part of data during analysis or sharing should also be proactively implemented. An effective data management plan can help you avoid ethical issues [14]. Refer to this checklist for few important points.

**Checklist for Effective Data Management**

- Data collection method (questionnaire, interview, recordings, measurements, etc.)
- Data format (text, notes, etc.)
- Methods to maintain data reproducibility
- Data protection guidelines
- Tools to analyze/visualize data
- Guidelines to track changes in existing data
- Metadata standards and guidelines
- Guidelines on organization & structure of data
- Identifiers for data & associated categories (if any)
- Data storage policy (long term & short-term)
- Data sharing & privacy policy

**MANAGING RESEARCH DATA**

Data are important outputs of a research process. These can be used to accept or reject a hypothesis or frame a new hypothesis. Data management, therefore, is crucial during and even after the research [5]. It can include the following aspects.

- Data ownership: It implies ownership of the legal rights to the research data during and after the research project. The important stakeholders include funders, research institutions, principal investigators, and even data sources.
- Data collection: It implies consistent and quality-controlled collection of data. Few important aspects include obtaining required authorization, using appropriate methods, and applying attention to details.
- Data storage: It implies protection of data from damage, loss, or theft. Data storage is important to recheck the findings, to prioritize research activities/tasks and to be reanalyzed by others.
- Data sharing: It implies deciding what to share and with whom (general public or other researchers) to share the preliminary data or final results. Data withholding is

also an important aspect. Researchers have the responsibility to maintain the integrity of the research data. The group members involved in the handling of the data should maintain privacy and confidentiality of the data while recording on hard-copy or electronic evidence. Lapses in the management of research data can give rise to many ethical issues. These issues are more prominent in studies involving human subjects.

**Common guidelines on data management ethics**

- Data Sharing Principles and Considerations for Policy Development by AAA (2015)
- NIH Data Sharing Policy and Implementation Guidance
- ICMJE
- Ethical Review in FP7: Data protection and privacy ethical guidelines

**ASSIGNING AUTHORSHIP**

Do you know the importance of the names appearing at the top of a research or a review paper? Allocating authorship allows researchers to assign appropriate credit and acknowledge their contribution to the research. However, assigning authorship is not always that simple as it also implies accountability and responsibility for the published work. Authorship issues can sometimes lead to conflicts and give rise to misconducts. Many journals now, therefore, request researchers to submit contributorship statement mentioning the role of each researcher.

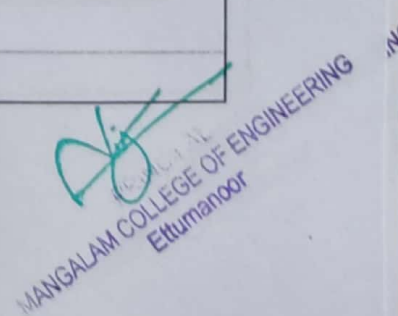
According to ICMJE [15], an author must satisfy these four criteria.

- Made substantial contributions to the design and conception of the study; data collection, analysis, and interpretation.
- Drafted or revised the intellectual content/output.
- Approved the final version of the manuscript for publication.
- Agreed to be accountable for the research work, ensuring that queries related to accuracy or integrity of the research are

resolved. Moreover, the author should be able to identify which co-authors are responsible for which part of the work.

According to ICMJE, in a large multi-author study, the decision on authorship should be taken before submitting a manuscript to the journal. Each author of such studies should qualify those four criteria and individually submit conflicts of disclosure forms to the journal editor. Additionally, some large multi-author groups can choose a group name to assign authorship. In that case, a group name should be used when making a submission to the journal along with a description of who all qualify as authors in that group.

What about individuals who do not qualify all four of the criteria, but have contributed to the study? You should make sure to acknowledge them as contributors. Contributors usually help in the acquisition of funding, supervising research group, providing administrative support, assisting in technical writing, editing, proofreading, etc.



Apart from that, the corresponding author communicates with the journal during manuscript submission, peer review, and publishing. He/she ensures that all the documentation requirements related to ethics committees approvals, authorship, conflict of interest, clinical trial registration etc. are met [15].

Read through the figure below to identify disputes and misconducts in authorship. Researchers, especially those at the early stage of their careers should ensure to follow appropriate author guidelines by the target journal or international organizations such as ICMJE, World Association of Medical Editors (WAME), and the American Medical Writers Association (AMWA). You can also consult your advisors or mentors to solve these issues.

**How to handle authorship**

To avoid authorship issues, define the job roles of the outset and discuss within the team how authorship will be assigned. If such issues are not sorted by the group members, then journal editor or research institution may take necessary steps.

When drafting the manuscript, authors refer to published/unpublished work to draw upon ideas or to support their statements.

However, researchers often end up in plagiarism trap intentionally or accidentally. Plagiarism is defined as an unethical practice of using someone else's work, ideas, data, concept, words, methods, images, etc. without proper acknowledgment and presenting them as their own [16]. It is a serious misconduct and professional infraction. Therefore, it is important to give appropriate credit to the author or the source.

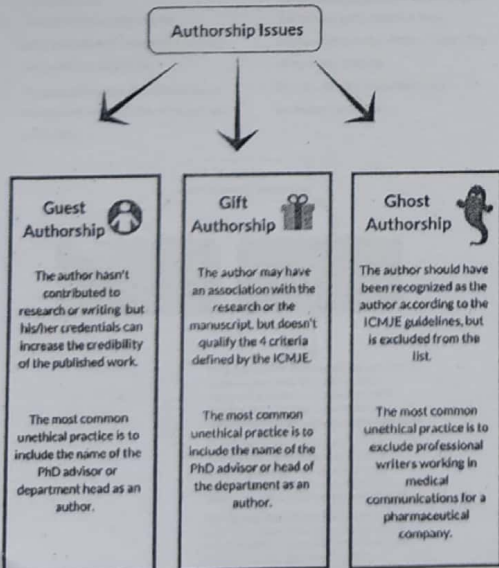
The severity and extent of plagiarism can vary [17] and can fall under the following categories.

- **Complete plagiarism/intellectual theft:** Submit work under one's name when somebody else has created it.
- **Source-based plagiarism:** Reference a source that is incorrect or does not exist i.e. a misleading citation. May also occur when the author cites only the primary source without citing the secondary source from where information was obtained.

- **Verbatim plagiarism:** Copy word-to-word from original work without quoting & citing it.
- **Self plagiarism:** Reuse significant portions of own previously published work without attribution.
- **Paraphrasing plagiarism:** Use someone else's writing with some minor changes in the sentences (using synonyms) and using it as one's own.
- **Mosaic/patchwork plagiarism:** Interlay someone else's phrases or text within own work.

Plagiarism is a serious offense. It can not only have legal implications but also damage the credibility and reputation of the author. In academic publishing, plagiarism can lead to retraction of the published work and loss of academic positions or jobs. Read through the figure below for effective tips to avoid plagiarism when drafting your manuscript. Authors can also use plagiarism checkers such as PlagScan, iThenticate, etc. to avoid text plagiarism. However, all plagiarism checkers are not created equal. While few have access to premium databases (e.g., Crossref) for similarity check, others do not.

**Authorship Issues**



The authorship issues can also include changes in the order of the author names. For instance, the name of the author who was supposed to be third in the list appears fifth. Moreover, the disputes arise because of the missing/omitted authors who were part of the study.



**Quoting**

- When using word-to-word (verbatim) text from any source, use quotation marks for the extract and cite the source.
- For longer extracts, some style guides recommend using block quotes.



**Summarizing**

- When summarizing, use your own words to convey the main message/idea of the original work in an abridged form.
- Make sure to cite the original source.



**Paraphrasing**

- When paraphrasing original work, make sure to use your own words and sentence structures to convey the same meaning.
- Always cite the original source.



**Common Knowledge**

- Universal truths or facts expected to be known to readers need not be cited.
- Cite statistical information or lesser-known facts. When in confusion whether the fact or statement is a common knowledge or not, always cite to remove any doubt!

## PUBLISHING RESEARCH ETHICALLY

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Researchers primarily use journal articles or books to communicate the results of their research to the scientific community and general public. Therefore, following publishing ethics is equally important for researchers and journals. Journals require authors to disclose whether the same research has been published before or is being considered for publication elsewhere. Duplicate publications and simultaneous submissions account for serious misconduct. Often, in biomedical research, authors present same data with different analyses (of a subgroup). In that case, authors should disclose the original source of the data and previous publications when making a submission. ICMJE define simultaneous submissions and duplicate publications as follows [18]:

### Submission.

- **Simultaneous Submissions:** Submitting same manuscript in same or different language(s) to one or more than one journal at the same time.
- **Duplicate publications:** Publishing a paper that is significantly similar to the paper published previously.

The Committee on Publication Ethics (COPE) has outlined guidelines for journal editors to identify and avoid such misconducts in submitted manuscripts and published papers [19, 20].

Researchers should consider the following points to avoid unethical publishing practices [21].

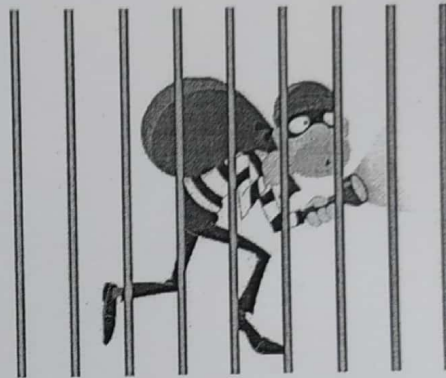
- Do not submit the same paper to different journals.
- Maintain transparency during submission and peer review process on previously published work (disclose publication in conference proceedings, submission to a pre-print repository etc.).
- Check with the publisher about translating and publishing the work again.
- Disclose already published and/or translated versions of the submitted manuscript.
- Avoid dividing your study into multiple publications.

Journals may allow secondary publications in certain cases [18].

- Author(s) have got approval from the editors of both the journals (ensure they have access to the original/primary

## 4. RESEARCH MISCONDUCT

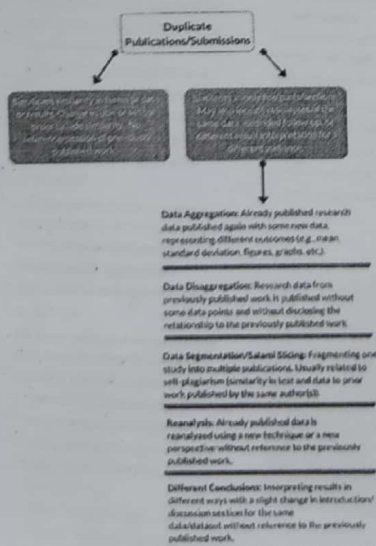
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published work).

- The editors have agreed on the publication interval between the primary and secondary publication.
- The secondary publication refers (cite) to the data and interpretation of the primary publication.

- The secondary publication informs readers that primary publication has been published previously (whole or in parts) by citing it appropriately.
- The title should indicate that it is a secondary publication.



## WHAT IS RESEARCH MISCONDUCT?

29

The ORI defines research misconduct as fabrication, falsification, or plagiarism in designing, conducting, or reviewing research or in reporting the findings of the research [22].

Falsification involves misrepresentation of the research by changing data or results or by tampering with equipment, research methods, or materials.

Fabrication involves reporting false or made-up data, results, or research outputs.

Plagiarism involves presenting others' ideas, works, or words without acknowledging or providing appropriate credit to the original authorship.

What about errors that are unintentional or situations that arise because of different opinions? These do not fall under scientific misconduct or fraud.

Universities and research institutions define policies and guidelines for researchers to maintain scientific integrity while conducting research. These guidelines also provide information on how to report any such cases. Make sure you are aware of your university's policies.

Most cases of scientific misconduct involve

image or data manipulation. Researchers are often not aware of the nuances between image modification and manipulation. They use image processing tools without having appropriate training in concepts such as vector graphics, RGB vs. CMYK, continuous-tone images, etc. [23–25].

### Red flags to identify research misconduct

- Raw data not available
- Materials and methods not shared
- Results not reproducible
- Results supporting the hypothesis seem too good to be true
- Research was not completed at an unusually fast rate!

## IMAGE MANIPULATION

Do's

- Consider your image as data.
- Retain original copy of images.
- Make simple adjustments when modifying images.
- Crop within acceptable standards/limits.
- Collect image data that needs to be compared under same conditions.
- Change the size (pixels) of images carefully.
- Exercise caution when changing magnification or resolution of images.
- Make intensity measurements on raw data, calibrated to an accepted standard.

Don'ts

- Clone an object on your image.
- Manipulate/modify only specific areas of images to highlight or alter background.
- Use filters in the software, especially on biological images.
- Crop such that the inference of the remaining image changes.
- Alter brightness or contrast to fade an object or clear the background.
- Make colour changes that alter the inference of the image.
- Resize image that alters aspect ratios, resulting in change in boundaries, shape, etc.



ORR has developed Droplet, a small desktop application in Adobe Photoshop® that automatically processes image files to detect image manipulations. Apart from that **Adobe Bridge** and **ImageJ** are also helpful forensic tools.

•

## RESEARCH REPRODUCIBILITY

Reproducibility in research is important to validate findings. What is reproducibility?

Reproducibility is defined as when a researcher is able to duplicate the same phenomenon even when experimental conditions are varied. Whereas, replicability is defined as when a researcher is able to obtain same results when the experiment is conducted under same experimental conditions [26].

Although reproducibility is promoted in science, researchers are not keen to replicate or read published results. Moreover, published work is expected to be reproducible but is rarely tested on those grounds later.

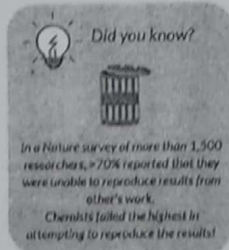
It is the responsibility of the researchers to promote reproducibility. So, how can you ensure that your work is reproducible?

- Write detailed experimental protocols that are easy to understand/implement.
- Share your research outputs in an open access repository to make them accessible.
- Perform experiments (with variations) in duplicates/triplicates to increase the robustness of your findings.

- Refrain from data fabrication or manipulation.

It is important to note that reproducible research is not always correct [27]. There are many instances as follows.

- False positives in published research.
- Bad quality of data and data analysis.
- Poor study design.
- Missed confounding variables.
- Omitted data points.



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**3.2.2.1. Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years**

AY: 2020-21						
SL NO	DATE & YEAR	TOPIC & SUBJECT	DEPARTMENT	NO OF PARTICIPANTS	NATURE OF SEMINAR: INTERNATIONAL. NATIONAL/REGIONAL	NAME AND DESIGNATION OF RESOURCE PERSON
1	19th September, 2020	"Recent Advances in Cascade Control of Industrial Processes	ECE	100	INTERNATIONAL	DR.G LLOYDS RAJA, ASSISTANT PROFESSOR, EEE, NIT PATNA
2	20th August, 2020	"Educational Resources on Artificial Intelligence and related Technologies from IEEE	ECE	100	INTERNATIONAL	DR. DANIEL CHONG CHE FUNG, EMERITUS PROFESSOR, COLLEGE OF SCIENCE, HEALTH, ENGINEERING & EDUCATION, AUSTRALIA
3	20th October 2020	Webinar on "Social Entrepreneurshi	ECE	100	NATIONAL	MR. ADITHYA RAJ GUPTA, MGNCRE HYDRABAD
4	4th December 2020	Training on design of LED Bulb, LED Tube light, LED Street light, Solar Lamp, AC - DC Inverter lamp - Enterprernership perspective	ECE	15	REGIONAL	JOSEPH, ASSISTANT DIRECTOR, MSM E TECHNOLOGY DEELOPMENT CENTRE, ETTUM ANNOOR 2.DR.T D SUBASH, PROFESSOR ECE
5	3rd March 2021	Awareness on Entrepreneurship and Skill	ECE	65	REGIONAL	DR. PANEERSELVAM, PRINCIPAL DIRECTOR
6	8th June, 2021	Webinar on LINKEDIN for professionals growth	ECE	100	REGIONAL	1. MR. ALTHAF MUHAMMED, SYSTEM ENGINEER, INFOSYS
7	28th June 2021	webinar on Benifits and scope of Robots and Automation	ECE	55	REGIONAL	MS. JISHAV R, ASSOCIATE PROFESSOR, EEE, CET

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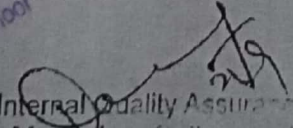


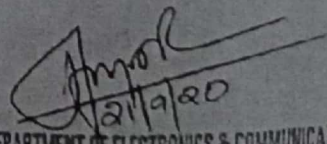
33. Webinar on "Recent Advances in Cascade Control of Industrial Processes"

This is a webinar as a part of the webinar series conducted by IEEE Photonics Society Student Chapter of Mangalam College of Engineering in collaboration with MSME Technology Development Centre, Process & Product Development Centre, Agra, Ministry of Micro, Small & Medium Enterprises (MSME), Govt. of India. The webinar session is taken by Dr. G. Lloyds Raja, Assistant Professor, Electrical Engineering Department, National Institute of Technology, Patna, Bihar on 19/9/2020 through Google Meet from 7:30 pm to 8:30 pm. The topic of the webinar was "Recent Advances in Cascade Control of Industrial Processes" There were 190 registrations from various places (inside and outside India). All the participants filled the feedback and received E-Certificates. Topics covered in the webinar was Introduction to Control system, Cascade Control, Cascade Control in Waste Treatment Mangement, practical examples of Parallel Cascade etc. Most part of the webinar was like an interactive session. Feedbacks were taken by the participants.

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Why would this topic be interesting to you?

- You may become an entrepreneur and will start your own business that needs to grow
- You may work for a big company that is trying to expand
- You may create some technology in a lab that someone else will want to buy
- To grow your career - you have to think not only as an engineer/technical person but as a business person who can think STRATEGICALLY

Exposure to business topics puts you in a spot to **MAKE DECISIONS** and become a **LEADER**



○ Himani Naresh

Partnership Types - Why Partner?

Technology			Customer/Service Market		
• Provide a new technology	• Provide a new service	• Provide a new product	• Provide a new customer	• Provide a new service	• Provide a new product
• Provide a new technology	• Provide a new service	• Provide a new product	• Provide a new customer	• Provide a new service	• Provide a new product

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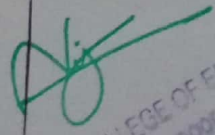
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**MANGALAM COLLEGE OF ENGINEERING**  
**One Day Seminar on Recent Advances in Cascade Control of Industrial Processes**  
**19-04-2020**



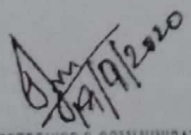
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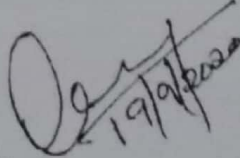
  
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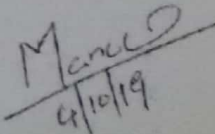
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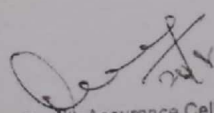
  
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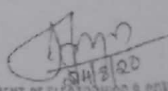
  
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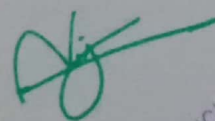
32. Webinar on "Educational Resources on Artificial Intelligence and Related Technologies from IEEE"

This is a webinar as a part of the webinar series conducted by IEEE Photonics Society Student Chapter of Mangalam College of Engineering in collaboration with MSME Technology Development Centre, Process & Product Development Centre, Agra, Ministry of Micro, Small & Medium Enterprises (MSME), Govt. of India. The webinar session is taken by Dr. Lance Chun Che Fung, Emeritus Professor, College of Science, Health, Engineering and Education, Murdoch University, Australia on 20/8/2020 through Zoom Meeting from 11:30 am to 12:30 pm. The topic of the webinar was "Educational Resources on Artificial Intelligence and Related Technologies from IEEE" There were 160 registrations from various places (inside and outside India). All the participants filled the feedback and received E-Certificates. Topics covered in the webinar was Emergence of clusters of professions of the future, IEEE Organizational Governance, Speaker's Personal Background and experiences etc. Most part of the webinar was like an interactive session. Feedbacks were taken by the participants.

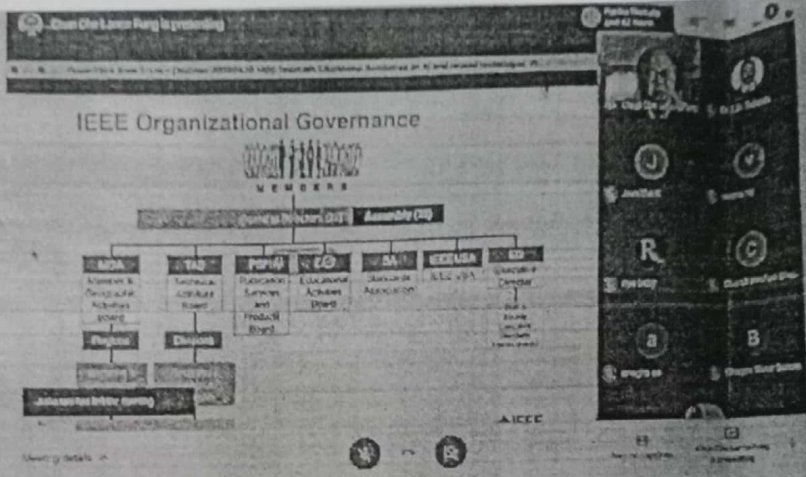
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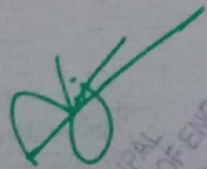
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One Day Seminar on Educational Resources on Artificial Intelligence and  
related Technologies from IEEE  
20-08-2020

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3	ADARSH .P	
4	VISHNU K M	
5	ARSHANA BEEGUM .M.R	
6	MIDHUN. M	
7	ALEX BABU .K	
8	ALEX BIBU ISSAC	
9	PRANAV P	
10	SRUTHI K	
11	KAILAS S KUMAR	
12	FIZAL .P.A	
13	ALBIN ISSAC	
14	SACHIN P SATHEESAN	
15	KRISHNA DEV.K.P	
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51	TALIN JOSEPH
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68	DOIZEN T. MATHEW
69	UTHARA SUBRAMANYAN
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73	YADHU KRISHNA C
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76	AMAL P S
77	HARIKRISHNAN.K.M
78	KRISHNARAJ M R
79	AMALJYOTHY A.R
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82	LINU V SURESH
83	SANIA S.
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87	RAMRAJ
88	MUHAMMED FARIS P
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91	ABHILASH A V
92	ASWIN. S
93	SULFEEKAR.A.K
94	ABHIJITH.K
95	ANUJITH P K
96	VIDYAPRAKASH.T
97	AMAL S V
98	AHAMMED SHAMIL T M
99	ARAVIND S
100	SARATH K.M

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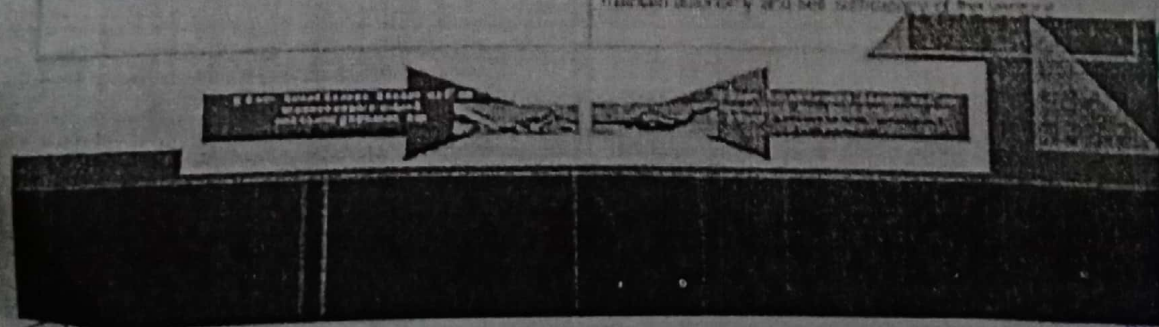


18 Webinar on "Social Entrepreneurship, Swachhta & Rural Engagement"

This is a webinar as a part of the webinar series conducted by IEEE Photonics Society Student Chapter of Mangalam College of Engineering in collaboration with Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Education, Government of India. The webinar session is taken by Mr. Aditya Raj Gupta, Resource Person of Mahatma Gandhi National Council of Rural Education, Hyderabad, Ministry of Education, Govt. of India on 20/10/2020 through Google Meeting from 4:00 pm to 5:30 pm. The topic of the webinar was "SOCIAL ENTREPRENEURSHIP, SWACHHTA & RURAL ENGAGEMENT". The Program was only for Students of Mangalam College of Engineering. All the participants filled the feedback and received E-Certificates. Topics covered in the webinar was Entrepreneurship, Social Entrepreneurship and Entrepreneurship etc. Most part of the webinar was like an interactive session. Feedbacks were taken by the participants.

Entrepreneurship V/s Social Entrepreneurship

Entrepreneurship	Social Entrepreneurship
Driven by motive to generate financial wealth	Driven by mission to create inclusive wealth (Financial, social and Environmental)
Benefits of wealth are accrued by the entrepreneur, shareholder and investor	The purpose of wealth creation is to benefit the community/Society
Measures success of enterprise in terms of profits, turnover, market share etc.	Measures success of the venture in terms of the impact it has on the lives of community
Focus on profit maximisation to increase personal wealth	Focus on being profitable (or revenue - savings) to maintain autonomy and self-sufficiency of the venture



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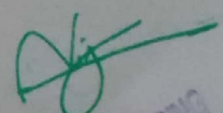
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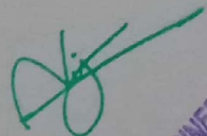
One Day Seminar on Webinar on Social Entrepreneurship, Swachhta & Rural  
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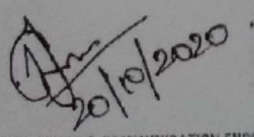
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3	VAISAKH KRISHNAN. R. A	
4	JOHN PAUL	
5	ASWATHI. V.K	
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41	ANAS T.S	
42	NANDANA P	
43	RASHIMOL S	
44	ROHIN MADHAV.K	
45	NEETHU MOHANAN	
46	ATHIRA.S	
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50	ARATHY. A.V	

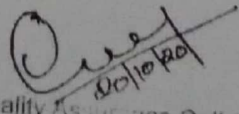
  
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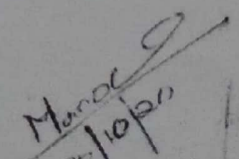
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58	SHARON M
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60	ADITHYAN. N.P
61	SHAMEENA. T
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63	RAHUL . T
64	ANAS
65	AMALESHKUMAR M
66	ROHITHRAJ E R
67	KRISHNANANTH E N
68	VISHNU VINOD
69	SAFWAN. E
70	AMAL ANIYAN
71	ANANTHKRISHNA
72	AKSHAY S S
73	VYSHNAV V
74	ABHIJITH ANIL
75	MUHAMMED SWADHIQ V A
76	MUHAMMED SAFUVAN C T
77	MUHAMMED YAHIYA V H
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94	MUHAMMED MISHAL.P
95	AKASH S
96	JAGAN GANESH
97	AJITH KRISHNAN
98	MOHAMMED RILLAH. K. P
99	SARATHILAL K S
100	VISHAL P

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 20/10/20

40. Training on designing of LED Bulb, LED Tube light, LED Street light, Solar Lamp, AC-DC Inverter Lamp - Entrepreneurship Perspective

One day training on designing of LED Bulb, LED Tube light, LED Street light, Solar Lamp, AC - DC Inverter Lamp was conducted by IEEE Photonics Society Student Chapter Mangalam College of Engineering in association with MSME Technology Development Center, Ettumanoor on 4<sup>th</sup> December, 2020

Mr. Bijoy Joseph, Assistant Director MSME Technology Development Center, Ettumanoor, Mr. Anu P Raj, Office Staff, Technology Development Center, Ettumanoor witnessed the training. Dr. Abraham Chettissery, Legal Advisor, Mangalam College of Engineering delivered the presidential address. Dr. T. D. Subash, Professor, Mangalam College of

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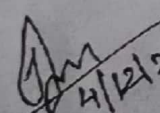
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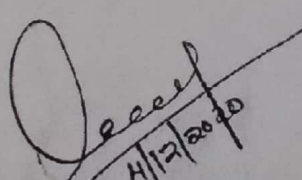


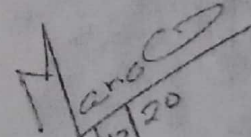
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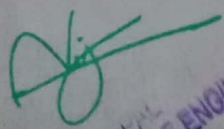
Two day workshop on production of LED lights tubes, LED tube light,  
LED street light, Solar lamp, AC-DC Inverter lamp-Enterprenership  
perspective  
04-12-2020

S NO	NAME	SIGNATURE
1	Salini Kumar	Salini
2	Sarasamma	Sarasamma
3	Lucy Thomas	Lucy
4	Mercy Mathew	Mercy
5	Lovely George	Lovely George
6	Lekshmi Rajan	Lekshmi
7	Fathima beeham	Fathima
8	Lisy Mathew	Lisy
9	Aswathy	Aswathy
10	Girija	Girija
11	Surabhi Nair	Surabhi Nair
12	Parvathy Prasannan	Parvathy
13	Litty George	Litty
14	Mollykutty	Molly
15	Malu Sabu	Malu

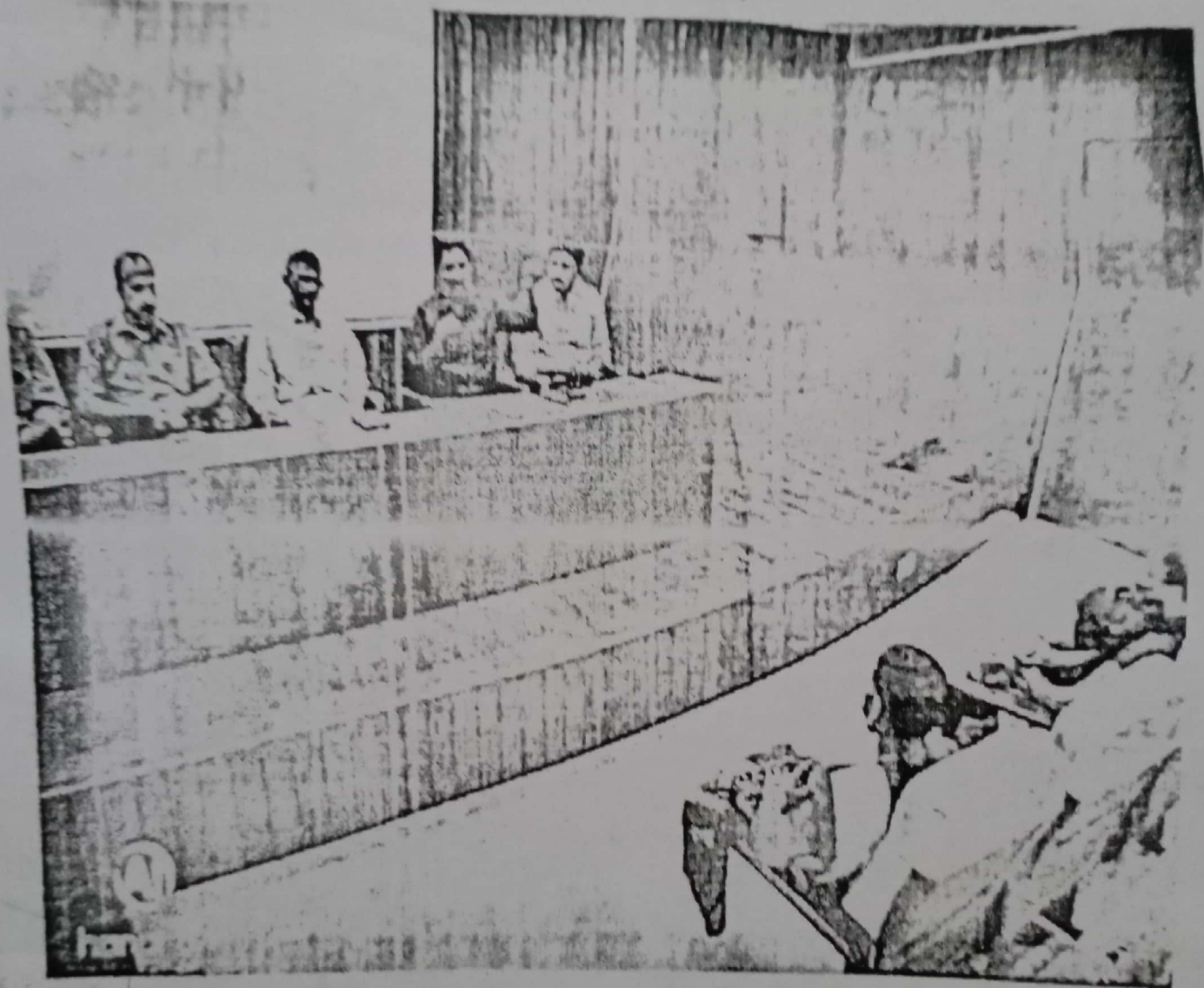
  
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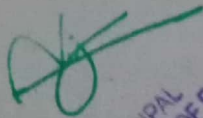
  
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4/12/20

  
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Engineering provided the training to the Kudumbashree women of Thannirvooli Panchayat.  
Mr. Jose Joseph highlighted the marketing plans and also explained the schemes available in  
MNFH Govt. of India



  
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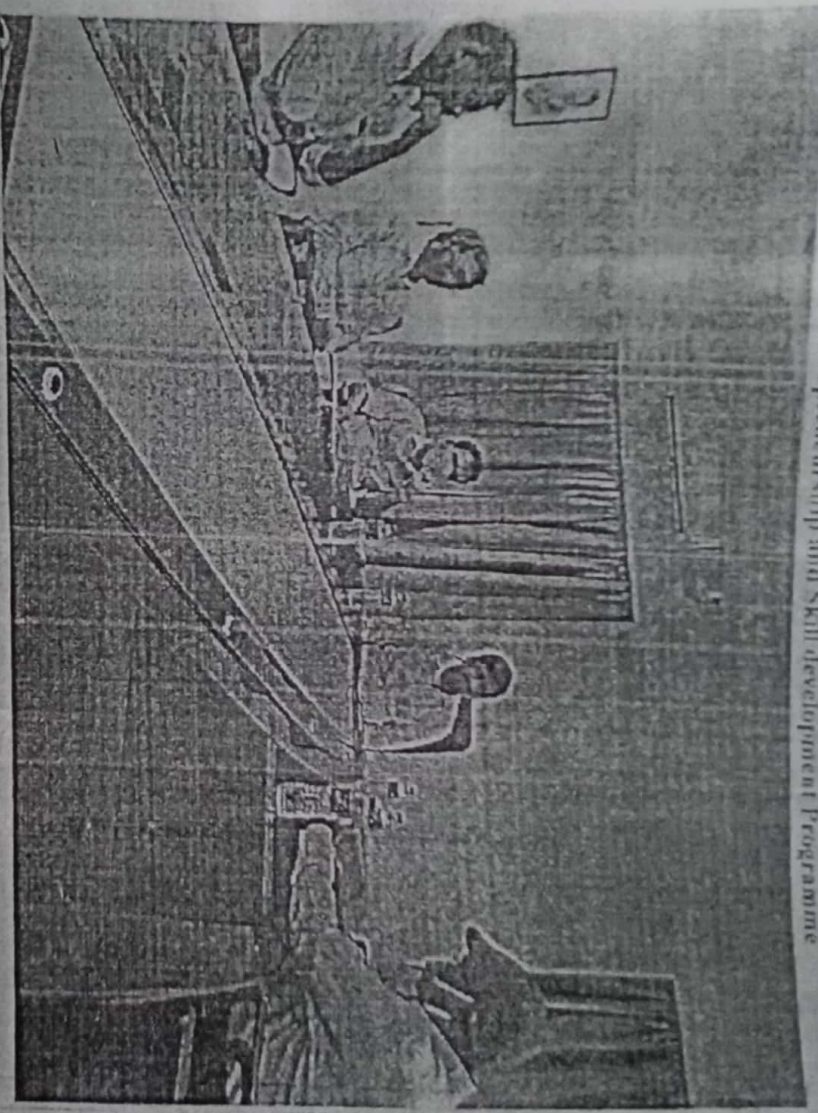
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10. Awareness on Entrepreneurship and Skill development Programme



Awareness on Entrepreneurship and Skill development Programme was organized by IEEE Photonics Society Student Chapter of Mangalam College of Engineering on 3<sup>rd</sup> march, 2021. Dr. Paneriselvam, Principal Director, MSME (Ministry of Micro, Small & Medium Enterprises), Govt. of India addressed the gathering. Shri. Biju Varghese, Mangalam College of Engineering enhance a warm welcome to the Guest. During the session Dr. Paneriselvam highlighted the skill courses available with MSME and how MSME will support the start-ups. 65 members attended the event.

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# MANGALAM COLLEGE OF ENGINEERING

Seminar on Awareness on Entrepreneurship and Skill Development Programme

03-03-2021

S NO	NAME	SIGNATURE
1	SANGEETH KRISHNA K	Sangeetha
2	CHIPPY SUKUMARAN	Chippy
3	JITHIN BABU B	Jithin
4	ALVIN MANOJ	Alvin M
5	SHEHALA JASMIN	Shehala
6	SHYAM KRISHNA K.V	Shyam
7	SEBASTIAN SANDEEP	Seb
8	AJIN RAMANAN	Ajin R
9	AKSHAY S	Akshay
10	ANAND K S	Anand
11	HARIPRIYA MOHAN	Haripriya
12	AKASH T	Akash
13	ASWIN K	Aswin
14	RAIGEN GAGARENE	Raigen
15	BINIL BABU	Binil
16	MUHAMMED SULFIKHAN S	M S
17	IMTHIYAS.K	Imthiyas
18	SHINI.V	Shini
19	JISHA SHAJI	Jisha
20	SHANIL P	Shanil
21	SHAMLA JESIN . P	Shamla
22	MUHAMMAD NAUFAL K.N	M Naufal
23	ASWATHI KRISHNA . A	Aswathi
24	SREENATH.M.R	Sreenath
25	ARUN K S	Arun
26	ABINSHAH.P	Abinshah
27	SALMAN NOUSHAD	Salman
28	ANAMIKA.V L	Anamika
29	ABHINAV P P	Abhinav
30	NITHIN RAJ.S B	Nithin
31	AJU VARGHESE A	Aju
32	VISHNU SREENIVASAN.N	Vishnu
33	VISHNU. S	VS
34	JAYAKRISHNAN V R	Jayakr
35	SHABNA. N. M	Shabna
36	MOHAMMED ARAFATH . A	M Arafath
37	VEERADEV	Veera
38	NIKESH S S	Nikesh
39	PRANAV PRADEEPAN	Pranav
40	GEETHU S	Geethu
41	E.JAS.M	Ejas
42	ABDUL VAHID P P	Abdul
43	JUSTIN SHAJI	Justin

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44	ANAGHA P P	Anagha P P
45	MANU A P	Manu A P
46	DIVESH HARIDAS	Divesh
47	ANANTHU K	Ananthu K
48	NITHYA. P	Nithya P
49	SALMANUL FARIS P.K.	Salmanul Faris P.K.
50	PRANAV PRASOBHAN	Pranav Prasobhan
51	VISHNU . H	Vishnu H
52	VISHNU VISWANATH V C	Vishnu Viswanath V C
53	SOURAV RAJEEV	Sourav Rajeev
54	HANVIYA SUNIL. K.V	Hanviya Sunil. K.V
55	ABHIRAJ R	Abhiraj R
56	NANDANA N	Nandana N
57	SANDRA S	Sandra S
58	RASHIL. O.M	Rashil O.M
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60	AMRITHA M	Amritha M
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62	ANAGHA KRISHNAN .A	Anagha Krishnan .A
63	DEEPAK P	Deepak P
64	FAVAS P	Favas P
65	MUHAMMAD SHAHEER.V	Muhammad Shaheer.V

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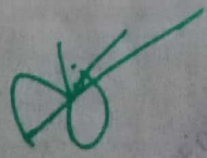
**FEEDBACK FORM**

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**Awareness on Entrepreneurship and Skill Development Programme**

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4. TRAINER WAS KNOWLEDGABLE ABOUT THE TRAINING TOPICS	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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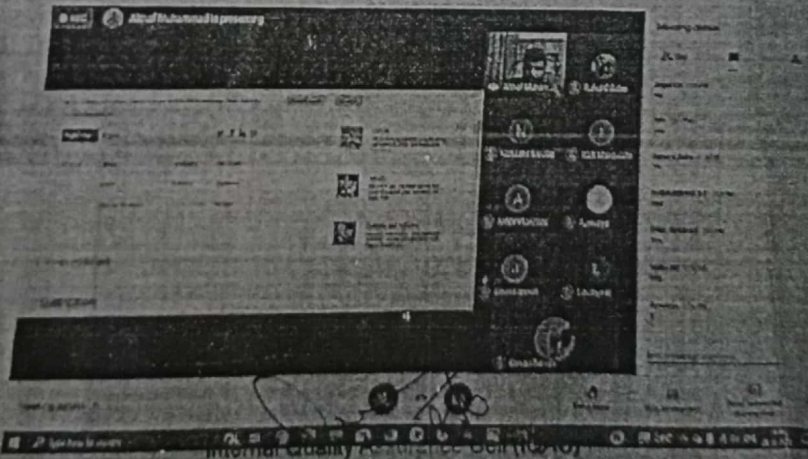
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Date: 02-03-2021

20 Webinar on LINKEDIN for Professionals Grade

This was a talk conducted by IEEE Photonics Society Student Chapter of Mangalam college of Engineering in collaboration with IEEE Young Professionals Kerala section. The session was taken by Mr. Althaf Muhammad, Systems engineer INFOSYS, on 08/06/2021 through google meet from 7.00 pm to 8.00 pm. The meeting was anchored by Ms. Anuja Anand, Student branch Secretary. The welcome address was delivered by IEEE volunteer Ms. Nandana S Babu. The introduction of the chief guest was delivered by IEEE volunteer Ms. Vidhu R E. The topic of the webinar was LinkedIn for professional growth. The session was well handled by Althaf in a friendly atmosphere. It was a live interactive session where he taught how to create a LinkedIn account and how to maintain it in a professional way. He also showed his LinkedIn account which was a well maintained professional account. He also taught about its features like online events, groups, salary profile etc. Finally he checked some of the LinkedIn profiles of members present in the webinar. There were 100+ registrations. The topics covered were Brief description about LinkedIn application, creating a LinkedIn account, key features of the app, examples of professional LinkedIn accounts. Feedback was taken from the participants. We provided Althaf a memento and certificate as a token of gratitude.



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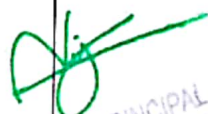
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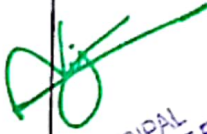
**MANGALAM COLLEGE OF ENGINEERING**  
Webinar on LINKEDIN for professionals growth  
08-06-2021

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2	NIYOG. P	
3	MATHEESH .M	
4	SAYOOJYA SANTHOSH	
5	ADARSH BIJU	
6	AKSHAY T. A	
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8	ANURAG T J	
9	VAISHNAV K B	
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31	MOHAMED ADIL.V.K	
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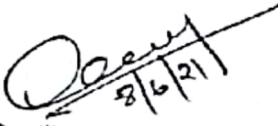
  
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57	NANDANA S
58	KIRAN SURESH
59	ADITHYA N
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76	SONY ISSAC DANIEL
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87	SUBIN SURESH. N
88	NIMESH K BALAN
89	S SIDHARTH
90	AKASH THOMAS
91	MOHAMAD FASIN. T. K. N.
92	ROHITH JOHNSON
93	AMAL REJI
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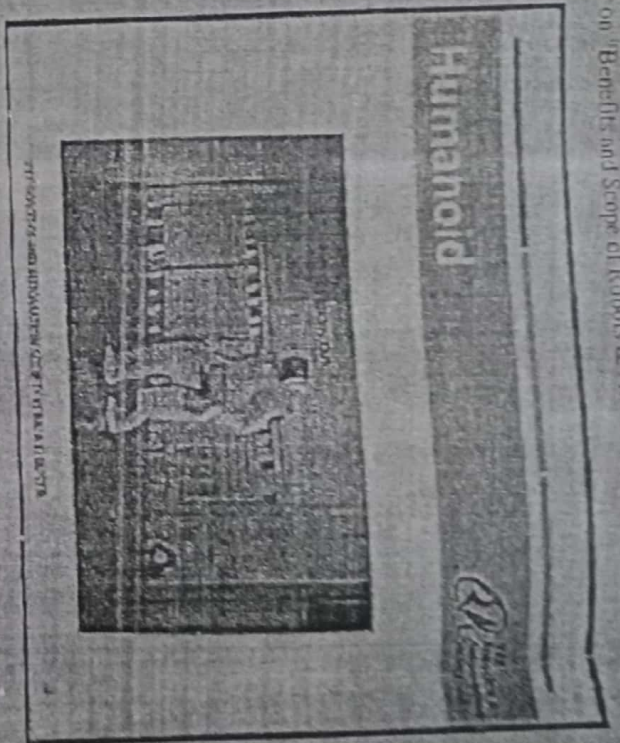
  
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26. Webinar on "Benefits and Scope of Robots & Automation"



This webinar conducted by "IEEE PHOTONICS SOCIETY STUDENT CHAPTER MANGALAM COLLEGE OF ENGINEERING. The session was taken by Ms.JISHA VR. Associate Professor Department of Electrical Engineering at College of Engineering, Trivandrum on 28/06/2021 through GOOGLE MEET at 7-8 pm. The webinar was anchored by Mr.Jesyan James. The welcome address was delivered by Mr.Devan sarath. The topic of the webinar was "BENEFITS & SCOPE OF ROBOTICS AND AUTOMATION". The session was smoothly handled by Mrs.JISHA VR who is very articulate and knowledgeable while remaining interesting throughout which instilled the students attention. JISHA Mann also showed different examples in the form of photos and videos which help our students. Questionnaire asked by Mr. Vishal Sasidharan. The overall session was extremely informative & incredibly Useful. 53 students attended the webinar. Topics covered in the webinar was Robot Statistics, Robot manipulators etc. Feedback were taken by participants. We gave a certificate and memento as token of gratitude. Everyone gave nice feedback about session. The webinar was concluded by vote of thanks by Mr.Akhil suresh.

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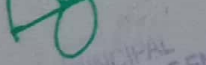
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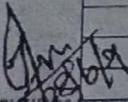


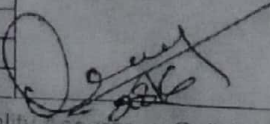
MANGALAM COLLEGE OF ENGINEERING  
webinar on Benefits and scope of Robots and Automation  
28-06-2021

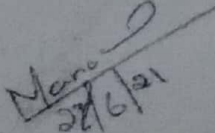
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4	VISHNU. L	
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7	NAJID P	
8	JACOB. Y	
9	VIBIN. V	
10	ADITHYA .P	
11	SHIMJITH B	
12	ADWAITH C	
13	SUDEV P	
14	SREERAJ R S	
15	GOKUL. N	
16	ASHWIN BIJU	
17	RASNA M	
18	SHAHANAS I	
19	ANJITHA T V	
20	LAZZIM NADIYA.P.N	
21	ANSHAN P	
22	PARVATHY M MOHAN	
23	ANUMOD T PRAMOD	
24	PRANAV MP	
25	SOURAV RAGESH	
26	MOHAMMED ADHIL KASIM	
27	VISHNU BHARATH	
28	AMAL KRISHNA K U	
29	AKASH. P.U	
30	ANANTHU V.C	
31	AMINA H	
32	ANANTHA KRISHNAN.M.S	
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34	MUHAMMED SHARIL T	
35	JYOTHI REJI	
36	VAISHNAV.S	
37	AKHIL RAJ	
38	SARATH .S	
39	HASSAN SHAHIR	
40	NAVEEN. V	
41	ASNA AKBAR	
42	AMAL BABU.S	
43	ASHISH PAUL ALIAS	
44	ANANTHU KRISHNAN. K	
45	SIVARAJ.R	
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52	SURYA ANANDAN A K	
53	MOHAMMED RAMEES	
54	AKHIL RAJ R	
55	AV AKSHAY LAL	

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MANGALAM COLLEGE OF ENGINEERING  
ETTUMANOOR 686 631

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

  
28/6/21



From

Coordinator (Jeepa KJ)

Dept of EEE

MLMCE

TO

The Principal

MLMCE

SUB: Request for conducting seminar on- Bigdata Analysis.

Sir,

Kindly permit me to conduct seminar on "Bigdata Analysis" on  
"22/02/2021" at Mechanical seminar hall.

Ettumanoor

Date: 02/02/2021

yours faithfully

Jeepa K J

Dr. MANOJ GEORGE, Ph.D  
Principal  
Mangalam College of Engineering  
Vattimbal F.O. Ettumanoor  
Kottayam, Kerala - 686 631

Jeepa K.J.

  
PRINCIPAL  
MANGALAM COLLEGE OF ENGINEERING,  
Ettumanoor

Attendance list for Big data analytics

Sl no	Name
1	AKHIL SUDHAKARAN
2	ANANDAKRISHNA K. R.
3	ANANDHU SAH
4	ARJUN BABU
5	ASWATHY KRISHNA
6	HALUS BABU
7	BINEESHIMON C D
8	DEVIKA PRAMOD
9	JESTIN JOYAL JONEY
10	JOYAL JAMES
11	JUBIN BIJU
12	LIKHITHA S SHENOI
13	NAKULAN KURMULLAM
14	NANDU PARAMESWARAN
15	PENINNA JOSE
16	RIZWAN ABDUL RAHIM
17	SALIM C SHAJAHAN
18	TIRON N. R.

  
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KANGALAM COLLEGE OF ENGINEERING  
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# **SEMINAR ON BIGDATA ANALYSIS**

**DATE: 22/02/2021**

**TIME: 12 - 1PM**

**VENUE: MECHANICAL SEMINAR HALL**

**ORGANIZED BY: DEPARTMENT OF ELECTRICAL AND**

**ELECTRONICS ENGINEERING**

**(MANGALAM COLLEGE OF ENGINEERING)**

**CO-ORDINATED BY : JEEPA KJ**

**SPEAKER:**

**SIBY JAMES**

**(Department of MBA, Mangalam  
College of Engineering)**



**MANGALAM COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

*Certificate of Participation*

*This is certificate is presented to AKHIL SUDHAKARAN of Mangalam College of Engineering for attending the seminar on "BIG DATA ANALYSIS" organized by Department of Electrical and Electronics Engineering on February 22<sup>nd</sup>, 2021*

CO-ORDINATOR

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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

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This is certificate is presented to ASWATHY KRISHNA of Mangalam College of  
Engineering for attending the seminar on "BIG DATA ANALYSIS" organized by  
Department of Electrical and Electronics Engineering on February, 22<sup>nd</sup>, 2021

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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

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*This is certificate is presented to JESTIN JOYAL JONEY of Mangalam College of Engineering for attending the seminar on “BIG DATA ANALYSIS” organized by Department of Electrical and Electronics Engineering on February 22<sup>nd</sup>, 2021*

CO-ORDINATOR

  
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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

*Certificate of Participation*

This is certificate is presented to JOYAL JAMES of Mangalam College of Engineering  
for attending the seminar on "BIG DATA ANALYSIS" organized by Department of  
Electrical and Electronics Engineering on February 22<sup>nd</sup>, 2021

CO-ORDINATOR

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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

*Certificate of Participation*

This is certificate is presented to JUBIN BIJU of Mangalam College of Engineering for attending the seminar on "BIG DATA ANALYSIS" organized by Department of Electrical and Electronics Engineering on February 22<sup>nd</sup>, 2021

CO-ORDINATOR

PRINCIPAL

PRINCIPAL  
MANGALAM COLLEGE OF ENGINEERING  
Thiruvananthapuram



**MANGALAM COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

*Certificate of Participation*

*This is certificate is presented to LIKITHIA S SIENOI of Mangalam College of Engineering for attending the seminar on "BIG DATA ANALYSIS", organized by Department of Electrical and Electronics Engineering on February 22<sup>nd</sup>, 2021*

CO-ORDINATOR

PRINCIPAL  
MANGALAM COLLEGE OF ENGINEERING  
Ethirathoor

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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

*Certificate of Participation*

This is certificate is presented to NAKULAN KURMULLAM of Mangalam College of Engineering for attending the seminar on “BIG DATA ANALYSIS” organized by Department of Electrical and Electronics Engineering on February 22<sup>nd</sup>, 2021

CO-ORDINATOR

  
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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

*Certificate of Participation*

This is certificate is presented to NANDU PARAMESWARAN of Mangalam College of Engineering for attending the seminar on “BIG DATA ANALYSIS” organized by Department of Electrical and Electronics Engineering on February 22<sup>nd</sup>, 2021

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*Certificate of Participation*

*This is certificate is presented to PENINNA JOSE of Mangalam College of Engineering for attending the seminar on "BIG DATA ANALYSIS" organized by Department of Electrical and Electronics Engineering on February 22<sup>nd</sup>, 2021*

CO-ORDINATOR

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PRINCIPAL  
MANGALAM COLLEGE OF ENGINEERING  
Ettumanoor

**Attendance list for Research areas in Renewable energy**

SL no	Name
1	AKHIL SUDHAKARAN
2	ANANDAKRISHNA K. R.
3	ANANDHU SAJI
4	ARJUN BABU
5	ASWATHY KRISHNA
6	BALU S BABU
7	BINEESHMON C B
8	DEVIKA PRAMOD
9	JESTIN JOYAL JONEY
10	JOYAL JAMES
11	JUBIN BIJU
12	LIKHITHA S SHENOI
13	NAKULAN KURMULLAM
14	NANDU PARAMESWARAN
15	PENINNA JOSE
16	RIZWAN ABDUL RAHIM
17	SALIM C SHAJAHAN
18	TIRON N. R.



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This is certificate is presented to SALIM C SHAJAHAN of Mangalam College of Engineering for attending the seminar on "BIG DATA ANALYSIS" organized by Department of Electrical and Electronics Engineering on February 22<sup>nd</sup>, 2021

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This is certificate is presented to TIRON N. R. of Mangalam College of Engineering for attending the seminar on "BIG DATA ANALYSIS" organized by Department of Electrical and Electronics Engineering on February 22<sup>nd</sup>, 2021 .

CO-ORDINATOR

  
PRINCIPAL  
MANGALAM COLLEGE OF ENGINEERING  
Ettimambur

PRINCIPAL

From

Coordinator (Preethi Sebastian)

Dept of EEE

MLMCE

TO

The Principal

MLMCE

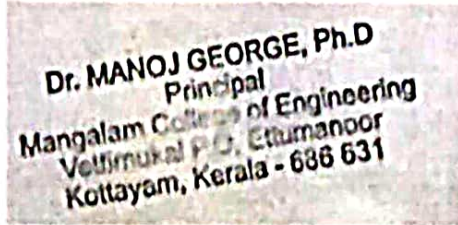
SUB: Request for conducting seminar on- How to apply for patents.

Sir,

Kindly permit me to conduct seminar on "How to apply for patents" on "19/01/2021" at Mechanical seminar hall.

Ettumanoor

yours faithfully



Date: 03/01/2021

Preethi Sebastian



RE: [Name]

BY: [Name]

[Text]

[Text]

EXHIBIT NO. 12345

[Text]

[Text]

[Text]

[Text]

[Text]

[Text]

[Text]

[Handwritten notes]



SUB:	SEMINAR ON INTELLECTUAL PROPERTY RIGHTS (IP)				
	Excellent	Very good	Good	Average	Poor
The content of the session was useful and interesting	10	0	2	1	0
The subject matter was presented effectively	12	4	1	1	0
The duration of the session was sufficient for the material covered	10	4	2	2	0
The session enhanced my knowledge on the topic	13	3	1	1	0
Overall rating of the session	11	3	2	2	0

  
 PRINCIPAL  
 UIN WALI MAULANA WIDYAKARSA  
 FACULTY OF ENGINEERING

From

Coordinator (Rahumath Beeby K A)

Dept of EEE

MLMCE

TO

The Principal

MLMCE

SUB: Request for conducting seminar on-Intellectual property rights.

Sir,

Kindly permit me to conduct seminar on "Intellectual property rights" on "2/02/2021" at Mechanical seminar hall.

Ettumanoor

Date: 03/03/2021

yours faithfully

Rahumath Beeby KA

**Dr. MANOJ GEORGE, Ph.D**  
Principal  
Mangalam College of Engineering  
Vettimurthi, Ettumanoor  
Kottayam, Kerala - 686 631



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*Certificate of Participation*

This is certificate is presented to AKHIL SUDHAKARAN of Mangalam College of Engineering for attending the seminar on "INTELLECTUAL PROPERTY RIGHTS" organized by Department of Electrical and Electronics Engineering on February 2<sup>nd</sup>, 2021

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40

PROFESSOR  
MANGALAM COLLEGE OF ENGINEERING  
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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

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Department of Electrical and Electronics Engineering on February 2<sup>nd</sup>, 2021*

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PRINCIPAL  
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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

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*This is certificate is presented to ASHVATHY KRISINA of Mangalam College of Engineering for attending the seminar on "INTELLECTUAL PROPERTY RIGHTS" organized by Department of Electrical and Electronics Engineering on February 2<sup>nd</sup>, 2021*

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PRINCIPAL  
MANGALAM COLLEGE OF ENGINEERING  
February 2, 2021





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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

*Certificate of Participation*

This is certificate is presented to BINESHMON C B of Mangalam College of  
Engineering for attending the seminar on "INTELLECTUAL PROPERTY RIGHTS"  
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PROFESSOR  
MANGALAM COLLEGE OF ENGINEERING  
ELECTRONICS ENGINEERING




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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

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Engineering for attending the seminar on "INTELLECTUAL PROPERTY RIGHTS"  
organized by Department of Electrical and Electronics Engineering on February 2<sup>nd</sup>, 2021

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KINGAU COLLEGE OF ENGINEERING  
PUNJAPUR



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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

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Department of Electrical and Electronics Engineering on February 2<sup>nd</sup>, 2021*

CO-ORDINATOR

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ERINJANGAL



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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

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*Department of Electrical and Electronics Engineering on February 2<sup>nd</sup>, 2021*

CO-ORDINATOR

  
PRINCIPAL  
MANGALAM COLLEGE OF ENGINEERING,  
PULLETTUR, CHENNAI.



**MANGALAM COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

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COORDINATOR

  
MANGALAM COLLEGE OF ENGINEERING  
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Engineering for attending the seminar on "INTELLECTUAL PROPERTY RIGHTS"  
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CO-ORDINATOR

PRINCIPAL

*NANDU PARAMESWARAN*  
Principal





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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

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for attending the seminar on "INTELLECTUAL PROPERTY RIGHTS" organized by  
Department of Electrical and Electronics Engineering on February 2<sup>nd</sup>, 2021

CO-ORDINATOR

PRINCIPAL

Peninna M  
Professor  
MANGALAM COLLEGE OF ENGINEERING  
Coordinator



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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

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Ethiramanoor



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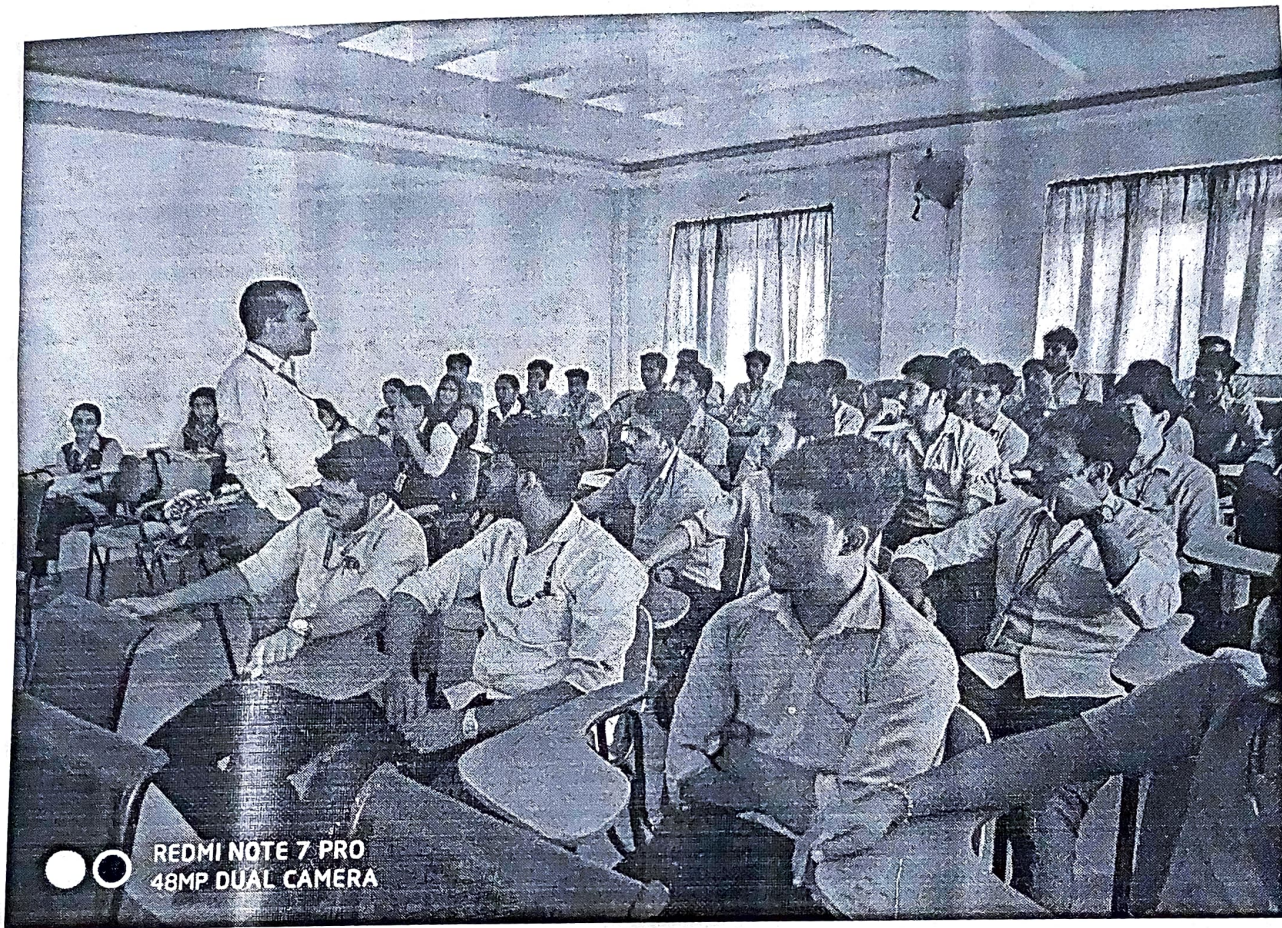
CO-ORDINATOR

PRINCIPAL  
MANGALAM COLLEGE OF ENGINEERING  
Ethirayoor

## Report on Big Data Analytics

A one day seminar on "How to apply for patents" was conducted on 22/02/2024 at 11am at Mechanical Seminar hall. The workshop commenced with a prayer. It was opened by the welcome address of Dr. Karthikeyan A. (Asst. Prof., Mechanical Department). He introduced the resource person to the participants with a brief overview of his research and research contributions and invited the resource person Dr. Anil Kumar, Professor, IITM Department, Mangalam College of Engineering. Dr. Anil Kumar gave an in-depth explanation on understanding and patent knowledge of patents, Architecture, Importing and Exporting Data using Scripts from MATLAB to Mechanical EPR and vice-versa, he also explained the BDD and post-production support. The seminar had been very informative.

The session was followed by an interaction with the participants. A feedback was also arranged to get the response of the participants about the presentation. A total of 18 participants attended the session. Ms. Ratnamathi Beety, (Assoc. Prof., EEE Department) proposed the vote of thanks to all the participants and the resource person. The meeting concluded with a National Anthem.



*Handwritten signature in blue ink.*

PRINCIPAL  
MANGALAM COLLEGE OF ENGINEERING  
Ettumanoor

## Report on Research areas in Renewable energy

A one-day seminar on "Research areas in Renewable energy

" was conducted on 2/12/2020 from 10am- 11am through Google Meet. The workshop commenced with a prayer. This was followed by the welcome address of Mr Phejil K Paul (H.O.D, EEE Department). Thereafter, he introduced the resource person to the participants with a brief introduction about his academic and research contributions and invited the resource person Dr Karthikumar S, Professor and HoD, EEE Department, Illahia College of Engineering. for delivering the talk on the area. The objective of the seminar is to share of renewable energy (RE) sources, primarily wind and solar generation, in Indian power grid has been growing significantly. The Government of India has established an installed capacity target of 175 GW of RE by 2022 that includes 60 GW of wind and 100 GW of solar, up from present capacities of 35 GW of wind and 26 GW of solar. As renewables grow more cost-competitive and increasingly contribute power to electric grids, the challenges of integrating such nondispatchable, variable generation are becoming more prominent. Strengthening the grid integration strategies and grid operations will help to manage these challenges. This talk will start with the present status and operational practice of Indian power sector and later will discuss the operational impacts of high penetration of RE into the grid and also the policy and regulatory framework to support RE integration and grid management in India. The session was followed by an interaction with the participants. A feedback was also arranged to get the response of the participants about the presentation. A total of 20 participants attended the session. Ms. Rahumath Beeby. (Assoc. Prof., EEE Department) proposed the vote of thanks to all the participants and the resource person. The meeting concluded with a National Anthem.



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Ettumanoor



## Report on Seminar on "IPR"

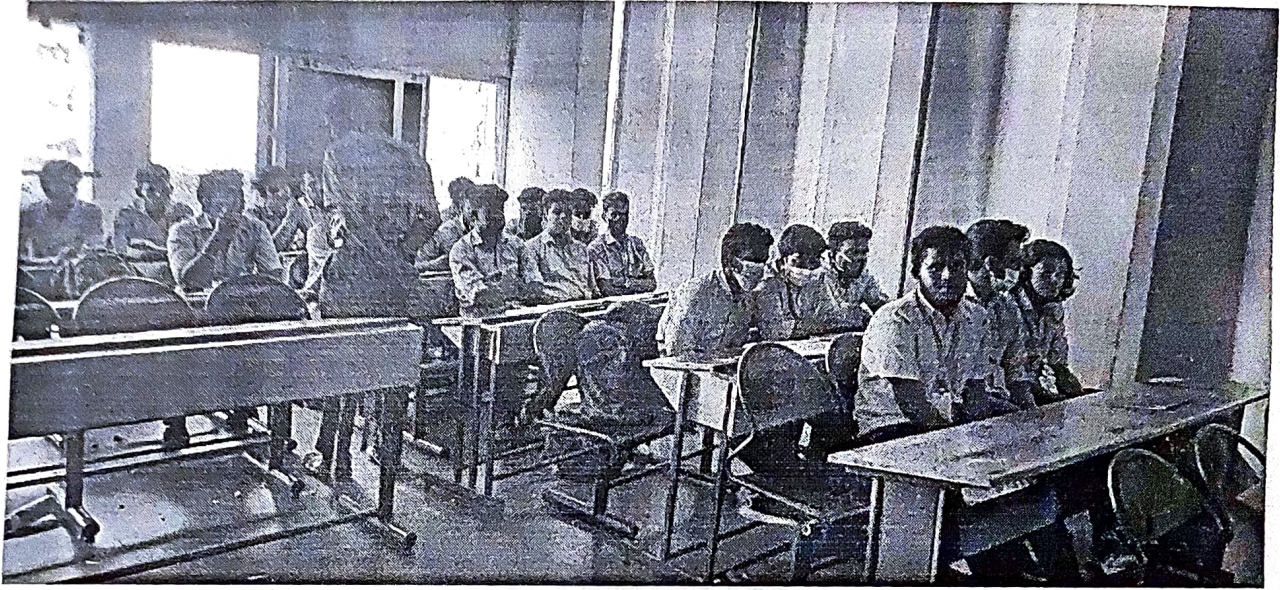
A one-day seminar on "IPR" was conducted at Seminar hall on 12/02/2021 from 11 am-12am at Mechanical Seminar Hall . The workshop commenced with a prayer. This was followed by the welcome address of Dr. Karthikumar S. (H.O.D, EEE Department). Thereafter, he introduced the resource person to the participants with a brief introduction about his academic and research contributions and invited the resource person Dr K Ravikumar, Professor ,Computer Science Department,Mangalam College of Engineering. for delivering the talk in the area. The resource person Objective of the seminar is to introduce IPR and explained the various related terms such as copyrights, patents etc.. It created a great impact on the entire audience. Students were taught on how IPR restricts copying others ideas and how this will help the development of new ideas for the betterment of the society.

Students learnt how IPR provides total control over a new innovation and its creator. They were also given a platform to discuss how small innovations influence societies at large and how they should indulge in innovating and patenting ideas that will be useful for all the classes of individuals in the society

The session was followed by an interaction with the participants. A feedback was also arranged to get the response of the participants about the presentation. A total of 25 participants attended the session. Ms. Rahumath Beeby . (Assoc. Prof., EEE Department ) proposed the vote of thanks to all the participants and the resource person. The meeting concluded with a National Anthem.



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Ettimadoor



*[Handwritten signature]*

UNIVERSITY OF ENGINEERING  
TECHNOLOGY

## Report on Seminar on "IPR"

A one-day seminar on "IPR" was conducted at Seminar hall on 12/02/2021 from 11 am-12am at Mechanical Seminar Hall . The workshop commenced with a prayer. This was followed by the welcome address of Dr. Karthikumar S. (H.O.D, EEE Department). Thereafter, he introduced the resource person to the participants with a brief introduction about his academic and research contributions and invited the resource person Dr K Ravikumar, Professor ,Computer Science Department,Mangalam College of Engineering. for delivering the talk in the area. The resource person Objective of the seminar is to introduce IPR and explained the various related terms such as copyrights, patents etc.. It created a great impact on the entire audience. Students were taught on how IPR restricts copying others ideas and how this will help the development of new ideas for the betterment of the society.

Students learnt how IPR provides total control over a new innovation and its creator. They were also given a platform to discuss how small innovations influence societies at large and how they should indulge in innovating and patenting ideas that will be useful for all the classes of individuals in the society

The session was followed by an interaction with the participants. A feedback was also arranged to get the response of the participants about the presentation. A total of 25 participants attended the session. Ms. Rahumath Beeby . (Assoc. Prof., EEE Department ) proposed the vote of thanks to all the participants and the resource person. The meeting concluded with a National Anthem.



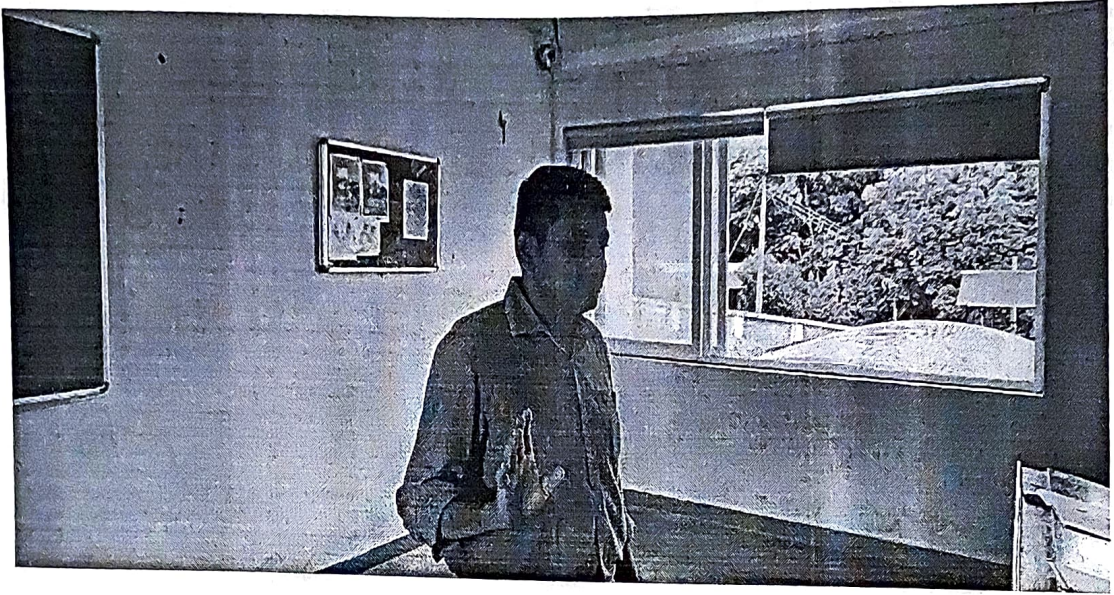
MANGALAM COLLEGE OF ENGINEERING  
2021

## Report on How to apply for patents

A one-day seminar on "How to apply for patents" was conducted on 2/12/2020 from 10am-11am through Google Meet. The workshop commenced with a prayer. This was followed by the welcome address of MrPhejil K Paul (H.O.D, EEE Department). Thereafter, he introduced the resource person to the participants with a brief introduction about his academic and research contributions and invited the resource person DrKarthikumar S, Professor and HoD,EEE Department,,Illahia College of Engineering, for delivering the talk on the area. The objective of the seminar is to

share of renewable energy (RE) sources, primarily wind and solar generation, in Indian power grid has been growing significantly. The Government of India has established an installed capacity target of 175 GW of RE by 2022 that includes 60 GW of wind and 100 GW of solar, up from present capacities of 35 GW of wind and 26 GW of solar. As renewables grow more cost-competitive and increasingly contribute power to electric grids, the challenges of integrating such nondispatchable, variable generation are becoming more prominent. Strengthening the grid integration strategies and grid operations will help to manage these challenges. This talk will start with the present status and operational practice of Indian power sector and later will discuss the operational impacts of high penetration of RE into the grid and also the policy and regulatory framework to support RE integration and grid management in India. The session was followed by an interaction with the participants. A feedback was also arranged to get the response of the participants about the presentation. A total of 20 participants attended the session. Ms. RahumathBeeby. (Assoc. Prof., EEE Department) proposed the vote of thanks to all the participants and the resource person. The meeting concluded with a National Anthem.

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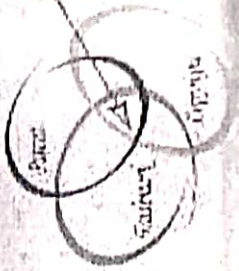


A handwritten signature in blue ink, consisting of stylized, overlapping loops and lines.

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EKUMANTOOR



INSTITUTION'S  
INNOVATION  
COUNCIL  
Ministry of Education, Government of India



Intellectual Property



# HOW TO WRITE EFFECTIVE RESEARCH PAPERS

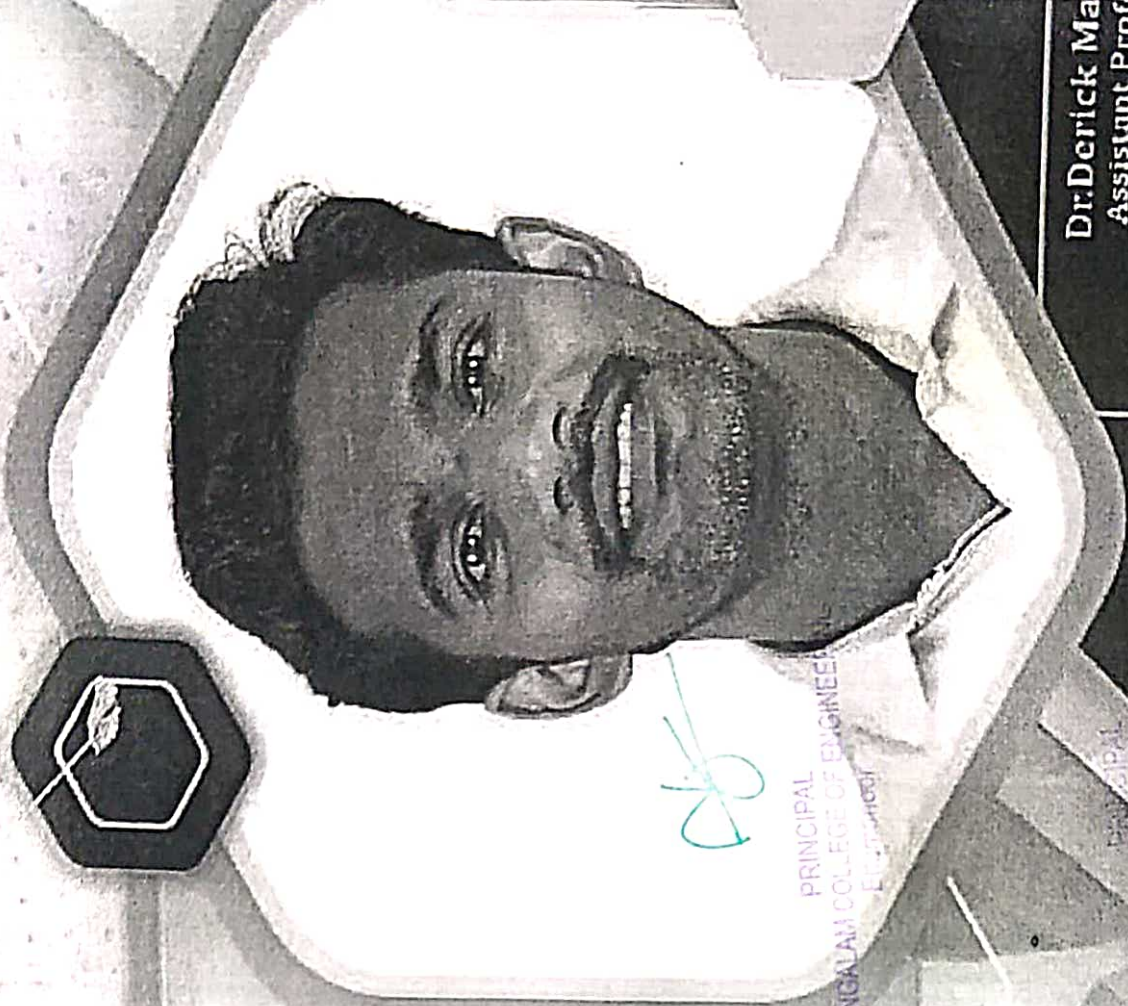
Organized by  
Dept. of Electrical & Electronics  
Mangalam College of Engineering

19/01/2021  
10am - 11am



<https://meet.google.com/bzt-wmbq-tus>

For: Preethy Sebastian




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ELECTRONICS

Dr. Derick Mathew  
Assistant Professor  
Electrical & Electronic  
UKF College of Engineering  
Kollam, Kerala


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MANGALAM COLLEGE OF ENGINEERING  
ELECTRONICS

Attendance list for How to How to write effective research papers

Sl no	Name
1	AHAMMED ARAFAT
2	ASWATHY KRISHNA
3	LIKHITHA S SHEROJ
4	PERINJATH JOSE
5	A AKSHATHA
6	ALBEEN PREH
7	ALISHA PRAKASH
8	ANANTHUMON C S
9	ANUJA ANOSH
10	ANVITH K KUMAR
11	KRISHNENDUR
12	MARLENA THOMAS
13	RAHUL SALVAN
14	R KAILAS
15	SAHAY SAJITH
16	VASIAKH VINOD
17	VISHAKH VINOD
18	HARIKRISHNA V T
19	MUHAMMED SHAMIL
20	VIDHUR B

  
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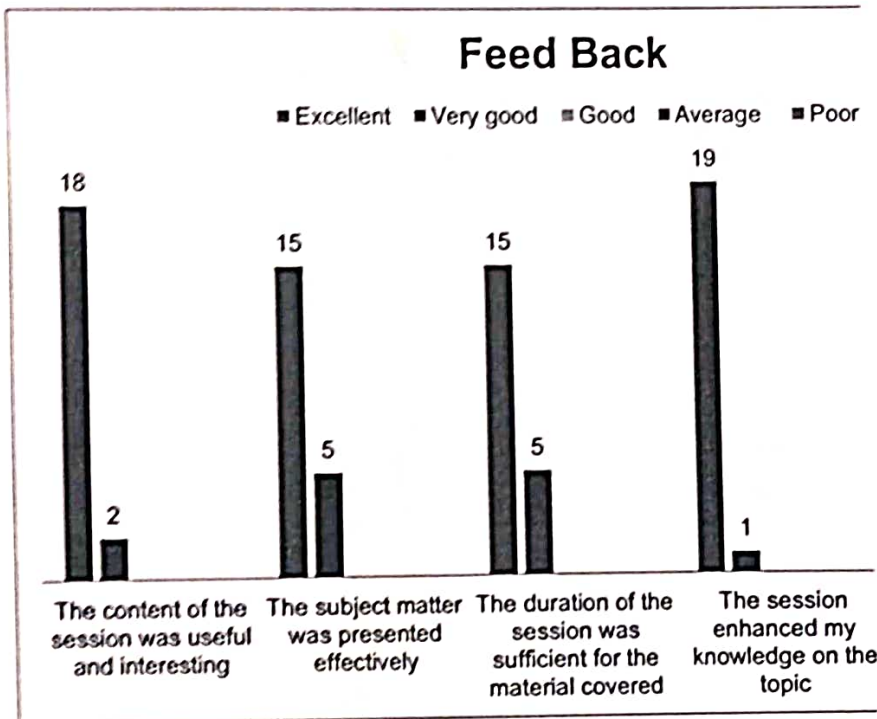
	Excellent	Very good	Good
The content of the session was useful and interesting		18	2
The subject matter was presented effectively		15	5
The duration of the session was sufficient for the material		15	5
The session enhanced my knowledge on the topic		19	1
Overall rating of the session		18	2

  
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Average

Poor



  
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3XVJUGG-CE000001

# Certificate of Participation



This certificate is presented to  
**Aswin K Kumar**

*of*  
**MANGALAM COLLEGE OF ENGINEERING**  
for attending the webinar on  
"How to Write Effective Research Papers"

organized by

Dept. Of Electrical & Electronics Engineering,  
Mangalam College of Engineering, Kottayam, Kerala, India  
on January 19th, 2021.

Dr. S Karthikumar  
HOD  
Dept. of Electrical & Electronics Engineering

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Kottayam

Made for free with Certify'em



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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

*Certificate of Participation*

*This is certificate is presented to Arul Babural of Mangalam College of Engineering for attending the seminar on "How to Apply for Patents" organized by Department of Electrical and Electronics Engineering on January 28, 2019*

CO-ORDINATOR

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*This is certificate is presented to Arun Mathew of Mangalam College of Engineering for attending the seminar on "How to Apply for Patents" organized by Department of Electrical and Electronics Engineering on January 28, 2019*

CO-ORDINATOR

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for attending the seminar on "How to Apply for Patents" organized by Department of  
Electrical and Electronics Engineering on January 28, 2019*

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*This is certificate is presented to Bimal M George of Mangalam College of Engineering  
for attending the seminar on "How to Apply for Patents" organized by Department of  
Electrical and Electronics Engineering on January 28, 2019*

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*This is certificate is presented to Deepak Siby of Mangalam College of Engineering for attending the seminar on “How to Apply for Patents” organized by Department of Electrical and Electronics Engineering on January 28, 2019*

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*This is certificate is presented to Emil Abraham of Mangalam College of Engineering for attending the seminar on "How to Apply for Patents" organized by Department of Electrical and Electronics Engineering on January 28, 2019*

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*This is certificate is presented to Harikrishnan S of Mangalam College of Engineering for attending the seminar on "How to Apply for Patents" organized by Department of Electrical and Electronics Engineering on January 28, 2019*

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*This is certificate is presented to Hendry K Joseph of Mangalam College of Engineering  
for attending the seminar on "How to Apply for Patents" organized by Department of  
Electrical and Electronics Engineering on January 28, 2019*

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*Certificate of Participation*

This is certificate is presented to Jebin Mathew jose of Mangalam College of Engineering  
for attending the seminar on "How to Apply for Patents" organized by Department of  
Electrical and Electronics Engineering on January 28, 2019

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Edu@mcce.ac.in



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*Certificate of Participation*

*This is certificate is presented to Jeff M Jhuil of Mangalam College of Engineering for attending the seminar on "How to Apply for Patents" organized by Department of Electrical and Electronics Engineering on January 28, 2019*

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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

## *Certificate of Participation*

*This is certificate is presented to Kiran V Kumar of Mangalam College of Engineering for attending the seminar on "How to Apply for Patents" organized by Department of Electrical and Electronics Engineering on January 28, 2019*

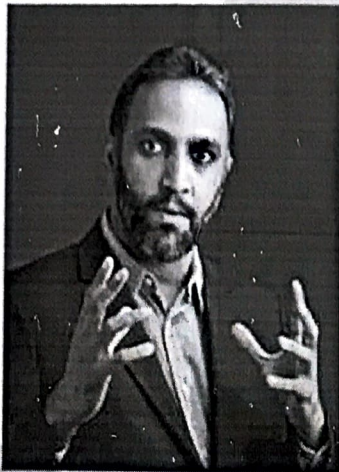
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# MANGALAM MANAGEMENT STUDIES

## MANGALAM COLLEGE OF ENGINEERING



**Shri. KRISHNA KUMAR**  
Co-Founder, Greenpepper  
Consulting India Pvt. Ltd

**3RD  
OCT  
2020**  
11am-12pm

### WEBINAR ON

# COVID19 BUSINESS MODEL INNOVATION CHALLENGE

3 day team sprints



**Prof. John T Varughese**  
DEAN

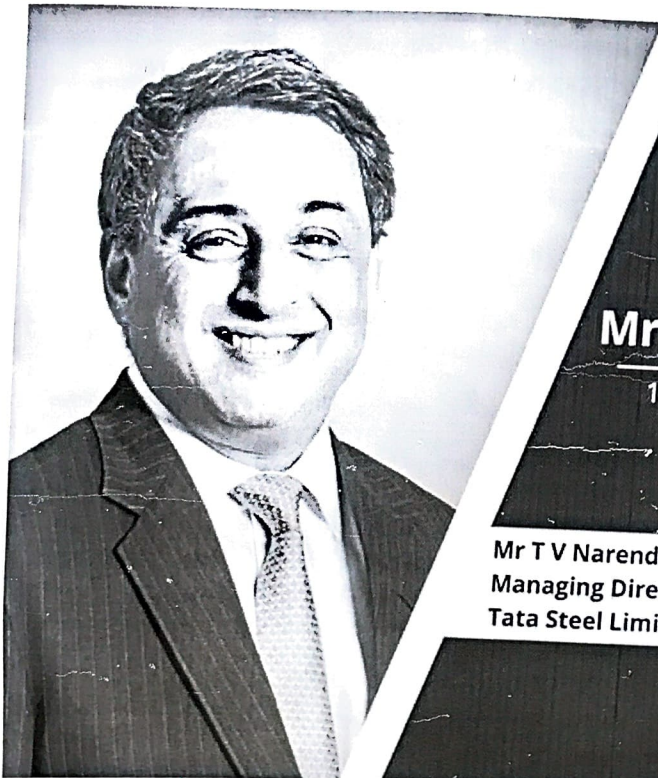


**Dr Sibu C Chithran**  
Professor & Head  
(Webinar Incharge)



**Mr Siby James**  
Associate Professor  
(Moderator)

MANGALAM COLLEGE OF ENGINEERING  
ERUDUR



Confederation of Indian Industry

## Members' Meet with Mr T V Narendran, President, CII

1000 - 1100 Hrs : 24 June 2021 : CII Virtual Platform

Exclusive for CII Members

Mr T V Narendran  
Managing Director & CEO  
Tata Steel Limited

For any assistance, please write to Mr Rahul R at  
[rahul.r@cii.in](mailto:rahul.r@cii.in) or call at 90723 37271

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DEPARTMENT OF MANAGEMENT STUDIES  
**MANGALAM COLLEGE OF ENGINEERING**  
ETTUMANOOR, KOTTAYAM

NATIONAL WEBINAR ON :


**DATA CENTER & CLOUD INFRASTRUCTURE**



**Mr. Thomas John**  
Founder Connectnet Solutions  
Bangalore



**Mr. Prakash Bheemashetty**  
Founder Navami Infotech  
Bangalore

 **09-06-2021**

 **11 am**

 **GOOGLE MEET**



**PROF. (Dr.) JOHN T VARUGHESE**  
DEAN

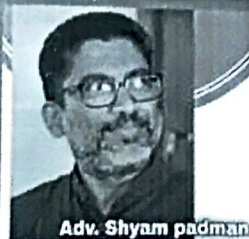


**Dr. SIBU C CHITHRAN**  
PROFESSOR & HEAD  
(WEBINAR INCHARGE)



# Mangalam Management Studies Webinar on

## Cyber Law –An Overview of the Information Technology Act, 2000



Adv. Shyam padman



Wednesday, 15<sup>th</sup> July 2020



10 to 11.30 A.M, Zoom Platform



Siby James  
Associate Professor  
9446816588



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# Mangalam Management Studies Webinar on

## Campus to Corporate: The A-Z Mantras of Career Success



Monday, 7<sup>th</sup> June 2021



3 to 4.30 P.M, Google Meet



FROM CAMPUS TO  
CORPORATE



Faculty

**Mark Antony Sequeira**  
Principal Consultant & CEO  
Maestro Human Resources Pvt. Ltd.

ORGANIZING COMMITTEE

**Prof(Dr). John T Varughese**  
DEAN

Campus Recruitment  
Training

Aptitude  
Training

Mock  
Group  
Discussion

Technical  
Interview  
Practices

Mock  
Interviews



**Mr. Siby James**  
Associate Professor

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**DEPARTMENT OF**  
**MECHANICAL ENGINEERING**  
**MANGALAM COLLEGE OF ENGINEERING**

4/9/2021  
10.00 AM

**Workshop**  
**on**  
**Intellectual property**  
**rights and patent**  
**registration**



NAME	SEM	How do you rate the relevance of this programme to your area of specialization?	How helpful was the workshop for you?	How do you rate this programme as a whole?	How would you rate the presenter?	Duration of the workshop was sufficient for the topics covered?
ABHJITHKRISHNAN	VII	Relevant		5 Good		3 4
ABHJITH R KRISHNA	VII	Relevant		3 Good		5 3
ABHIMANYU ANIL	VII	Relevant		3 Good		3 5
ABHISHEK MOHAN	VII	Relevant		5 Excellent		4 5
ABHISHEK SUBHASH	VII	Relevant		3 Good		3 5
ABIN ABRAHAM	VII	Relevant		5 Excellent		5 3
ABIN BIJU	VII	Relevant		3 Good		4 4
ACHU THANAKACHAN	VII	Relevant		5 Excellent		3 3
ADARSH KRISHNA A	VII	Relevant		5 Good		5 5
ADARSH PS	VII	Relevant		4 Excellent		4 4
ADARSH P VIJAY	VII	Relevant		4 Good		5 3
AJAY KURIAN TOMY	VII	Relevant		5 Good		5 5
AJITH K AJI	VII	Relevant		4 Fair		4 5
AKSHAY S	VII	Relevant		3 Excellent		5 4
ANANDU SHAJI	VII	Relevant		4 Good		4 3
ANANTHU AJITH	VII	Relevant		3 Fair		3 4
ANANTHU A R	VII	Relevant		4 Good		4 5
ARNOLD ROY	VII	Relevant		4 Excellent		4 3
ASWIN ROY	VII	Relevant		3 Good		5 3
BASIC MATHEW	VII	Relevant		4 Excellent		5 4
BHAGYARAJ S	VII	Relevant		5 Good		5 3
BIRIN BABU	VII	Relevant		4 Excellent		3 3
BIRIN CHARLES	VII	Relevant		4 Good		5 3
CILESH K MANOJ	VII	Relevant		4 Excellent		5 3
GOKUL GANESH	VII	Relevant		4 Good		4 4
GOKUL P	VII	Relevant		5 Excellent		3 3
JEBIN P D	VII	Relevant		5 Good		5 4
JERIN LUKOSE	VII	Relevant		3 Good		5 4
JERRY JOSE	VII	Relevant		4 Fair		4 4
JOMON MATHEWS	VII	Relevant		4 Excellent		3 4
SREELEKSHMI S	VII	Relevant		5 Good		5 5
SAM S REJIMON	VII	Relevant		5 Fair		4 3
TIHARUN S	VII	Relevant		4 Good		3 5
KIRAN RAJENDRAN	VII	Relevant		3 Good		4 5
ARUN K S	VII	Relevant		4 Excellent		4 3
VITHUN LAL	VII	Relevant		3 Excellent		4 5
GOWTHAM BOSE	VII	Relevant		5 Good		3 5
ANANDHU D	VII	Relevant		5 Good		3 4
ALAN KOSHY VARGH	VII	Relevant		3 Excellent		3 4
JIBIN JAMES	VII	Relevant		4 Excellent		3 4
JITHIN THOMAS	VII	Relevant		5 Good		4 5
JITHIN TOMY	VII	Relevant		5 Excellent		3 4
JOEL ANTONY	VII	Relevant		4 Excellent		5 3
JOHN VARGHESE	VII	Relevant		3 Excellent		3 5
JOSEPH BABU	VII	Relevant		5 Good		4 5
LINU VARGHESE	VII	Relevant		4 Good		5 5
LUKOSE V MATHEW	VII	Relevant		5 Excellent		3 5
MELVIN KURIAN	VII	Relevant		3 Excellent		3 3
MUHAMMED FAZIL	VII	Relevant		3 Good		3 3
MUHAMMED RIHAD	VII	Relevant		3 Excellent		5 5
NEHIL SABU	VII	Relevant		5 Excellent		4 4
PADIMAKUMAR R	VII	Relevant		3 Good		3 5
PRANAVU PRADEEPA	VII	Relevant		4 Excellent		5 5
PRATHEEK M NAIR	VII	Relevant		4 Good		3 5
RICHU JACOB REJI	VII	Relevant		3 Excellent		3 4
RON ROY	VII	Relevant		3 Good		3 4
RUFZAN HANEESH	VII	Relevant		4 Excellent		4 4
SACHIN GOPAKUMAR	VII	Relevant		3 Good		5 4
SHAMON JOSEPH	VII	Relevant		5 Excellent		4 5
SIRAJ MOHAMMED	VII	Relevant		4 Good		3 4
SOORAJ	VII	Relevant		3 Good		5 5
SREEHARI SANTHOS	VII	Relevant		5 Fair		5 4
SREEKUTTAN K	VII	Relevant		5 Excellent		3 5
SUBIN VARGHESE	VII	Relevant		4 Good		5 4
SWAGAT N SHAJI	VII	Relevant		4 Fair		3 4
VINAYAK VIJAYAN	VII	Relevant		4 Good		5 5
VIVEK V NAIR	VII	Relevant		4 Good		4 5
YASEEN MOHAMMED	VII	Relevant		5 Excellent		4 4
ANANDHAKRISHNAN	VII	Relevant		4 Good		5 3
TONY GEORGE	VII	Relevant		4 Excellent		3 4
AJIN K	VII	Relevant		4 Good		5 5
BILVIN BENNY	VII	Relevant		3 Excellent		4 5
MELBIN KOSHY	VII	Relevant		4 Good		3 5
MIDHUN C M	VII	Relevant		5 Excellent		4 4
ALAN SHERRY	VII	Relevant		4 Good		4 5
JEFFIN JAMES	VII	Relevant		4 Good		4 3
GOWTHAM BOSE	VII	Relevant		3 Fair		5 4



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**Accredited by NAAC & ISO 9001:2000 Certified Institution**

**DEPARTMENT OF MECHANICAL ENGINEERING**

**04 September, 2021**

**Session – Report**

**Workshop**

**on**

**INTELLECTUAL PROPERTY RIGHTS AND PATENT REGISTRATION**

**Time: 10.00 AM to 12.30 PM**

The details of the participants are as follows:

Sl no.	Name	Remarks
1.	Mr. Aneesh K., Faculty, Mechanical Engineering	
2.	Mr. Abin Babu, Faculty Mechanical Engineering	
Students		
1.	ABHIJITH R KRISHNAN	
2.	ABHIJITHKRISHNAN R	
3.	ABHIMANYU ANIL	
4.	ABHISHEK MOHAN	
5.	ABHISHEK SUBHASH	
6.	ABIN ABRAHAM	
7.	ABIN BIJU	
8.	ACHU THANKACHAN	
9.	ADARSH KRISHNA A,	
10.	ADARSH P VIJAY	
11.	ADARSH PS	
12.	AJAY KURIAN TOMY	
13.	AJIN K	
14.	AJITH K AJI	
15.	AKSHAY S	
16.	ALAN KOSHY VARGHESE	
17.	ALAN SHERRY	
18.	ANANDHAKRISHNAN U B	
19.	ANANDHU D	
20.	ANANDU SHAJI	
21.	ANANTHU A R	
22.	ANANTHU AJITH	
23.	ARNOLD ROY	
24.	ARUN K S	
25.	ASWIN ROY	

26.	BASIL MATHEW	
27.	BHAGYARAJ S	
28.	BIBIN BABU	
29.	BIBIN CHARLES	
30.	BILVIN BENNY	
31.	CILESH K MANOJ	
32.	GOKUL GANESH	
33.	GOKUL P	
34.	GOWTHAM BOSE	
35.	GOWTHAM BOSE	
36.	JEBIN P.D	
37.	JEFFIN JAMES	
38.	JERIN LUKOSE	
39.	JERRY JOSE	
40.	JIBIN JAMES	
41.	JITHIN THOMAS	
42.	JITHIN TOMY	
43.	JOEL ANTONY	
44.	JOHN VARGHESE	
45.	JOMON MATHEWS	
46.	JOSEPH BABU	
47.	KIRAN RAJENDRAN	
48.	LINU VARGHESE	
49.	LUKOSE V MATHEW	
50.	MELBIN KOSHY	
51.	MELVIN KURIAN	
52.	MIDHUN C M	
53.	MUHAMMED FAZIL	
54.	MUHAMMED RIHAD	
55.	NEHIL SABU	





74	PADMAKUMAR B	
75	PRANAVU PRADEEPKUMAR	
76	PRATHEEK M NAIR	
79	REKI JACOB REJI	
60	ROIN ROY	
61	RUFZAN HANEESH	
62	SACHIN GOPAKUMAR	
63	SAM S REJIMON	
64	SHAIMON JOSEPH	
65	SIRAJ MOHAMMED	
66	SOORAJ	
67	SREEHARI SANTHOSH	
68	SREEKUTTAN K	
69	SREELEKSHMI S	
70	SUBIN VARGHESE	
71	SWAGAT N SHAJI	
72	THARUN S	
73	TONY GEORGE	
74	VINAYAK VIJAYAN	
75	VITHUN LAL	
76	VIVEK V NAIR	
77	YASEEN MOHAMMED	

  
Co-ordinator

  
Head of Department  
Department of Mechanical Engineering

HOD







Department of Mechanical Engineering  
Mangalam College of Engineering,  
Ettumanoor

-----bridging the gap-----

A talk on

# BASICS OF RESEARCH PUBLISHING

Wednesday | 10 am | 21-04-2021



**Speaker**

Dr. Anna S. Kynadi

Senior Editor

Wiley, UK.

UNIVERSITY



MANGALAM COLLEGE OF ENGINEERING, ETTUMANOOR, KOTTAYAM  
Accredited by NAAC & ISO 9001:2000 Certified Institution

DEPARTMENT OF MECHANICAL ENGINEERING

21 April, 2021  
Session - Report

Expert Talk

on

**BASICS OF RESEARCH PUBLICATION**

Resource Person: Dr. Anna S. Kynadi, Senior Editor, John Wiley & Sons Ltd. (WILEY)  
Chichester, UK

Date: 21 January 2021, Wednesday

Time: 10:00 AM to 11:30 AM

**Webinar Co-ordinator**

Dr. Ajin C Sajeewan  
Associate Professor

**Conveners**

Dr. Pratheesh K.  
Head of the  
Department

Dr. Manoj George  
Principal

## PREAMBLE

The department of Mechanical Engineering, Mangalam College of Engineering, Kottayam conducted the webinar on “**BASICS OF RESEARCH PUBLISHING** for the EIGHTH semester B.Tech Mechanical Engineering students and teaching faculties. Dr. Anna S. Kynadi, **Senior Editor, John Wiley & Sons Ltd. (WILEY) Chichester, UK.** delivered the lecture.

Dr. Anna S. Kynadi is working as a **Senior Editor, John Wiley & Sons Ltd. (WILEY) Chichester, UK.** The Speaker is a B. Tech Biotechnology (2005-2009) graduate from SRM University Chennai. Her masters’ degree M. Tech in Biotechnology (2009-2011). is from SRM University Chennai. She completed her Ph. D in Biotechnology from National Institute of Technology Calicut in 2018. She has good number of publications and book chapters too. She started her career as a freelance editor in 2017. Later he professionally joined as Associate Editor at Springer in 2018.

The course content delivered in the webinar is as follows:

1. Types of research article
2. Structure of research articles
3. Methods of choosing a journal
4. Characteristics of journal to be considered
5. Process after submission of paper

Also the attendance of the students and faculties were taken. The details of the participants are as follows:

Sl no.	Name	Remarks
1.	Dr. Ajin C. Sajeevan, Coordinator	
2.	Mr. Aneesh K., Faculty, Mechanical Engineering	
3.	Dr. Praveen Wilson, Faculty Mechanical Engineering	
4.	Mr. Libin P. Oomen, Faculty Mechanical Engineering	
5.	Mr. Vaisak S. , Faculty Mechanical Engineering	
6.	Mr. Abin Babu, Faculty Mechanical Engineering	
Students		
1.	ABHISHEK SUBHASH	
2.	ABIN ABRAHAM	
3.	ABIN BIJU	
4.	ACHU THANKACHAN	

  
MANGALAM COLLEGE OF ENGINEERING  
KOTTAYAM  
E-MAIL: info@mcet.ac.in

5.	ADARSH KRISHNA A,	
6.	ADARSH PS	
7.	ADARSH P VIJAY	
8.	AJAY KURIAN TOMY	
9.	AJITH K AJI	
10.	AKSHAY S	
11.	ANANDU SHAJI	
12.	ANANTHU AJITH	
13.	ANANTHU A R	
14.	ARNOLD ROY	
15.	ASWIN ROY	
16.	BASIL MATHEW	
17.	BHAGYARAJ S	
18.	BIBIN BABU	
19.	BIBIN CHARLES	
20.	CILESH K MANOJ	
21.	GOKUL GANESH	
22.	GOKUL P	
23.	JEBIN P.D	
24.	JERIN LUKOSE	
25.	JERRY JOSE	
26.	JOMON MATHEWS	
27.	SREELEKSHMI S	
28.	SAM S REJIMON	
29.	THARUN S	
30.	KIRAN RAJENDRAN	
31.	ARUN K S	
32.	VITHUN LAL	
33.	GOWTHAM BOSE	
34.	ANANDHU D	

35.	ALAN KOSHY VARGHESE	
36.	JIBIN JAMES	
37.	JITHIN THOMAS	
38.	JITHIN TOMY	
39.	JOEL ANTONY	
40.	JOHN VARGHESE	
41.	JOSEPH BABU	
42.	LINU VARGHESE	
43.	LUKOSE V MATHEW	
44.	MELVIN KURIAN	
45.	MUHAMMED FAZIL	
46.	MUHAMMED RIHAD	
47.	NEHIL SABU	
48.	PADMAKUMAR R	
49.	PRANAVU PRADEEPKUMAR	
50.	PRATHEEK M NAIR	
51.	RICHU JACOB REJI	
52.	RON ROY	
53.	RUFZAN HANEESH	
54.	SACHIN GOPAKUMAR	
55.	SIJAIMON JOSEPH	
56.	SIRAJ MOHAMMED	
57.	SOORAJ	
58.	SREEHARI SANTHOSH	
59.	SREEKUTTAN K	
60.	SUBIN VARGHESE	
61.	SWAGAT N SHAJI	
62.	VINAYAK VIJAYAN	
63.	VIVEK V NAIR	
64.	YASEEN MOHAMMED	

65.	ANANDHAKRISHNAN U B	
66.	TONY GEORGE	
67.	AJIN K	
68.	SREELAKSHMI	

This programme is arranged in the motive of sharing the knowledge and practical experience of Dr. Anna S. Kynadi who has a long year of experience in scientific communication filed. The overall organization and deliverance of the webinar was helpful and satisfied the participants.


The objective of the webinar was achieved. The overall session discussion benefitted the faculties and students. This webinar would help the participants to do their implementation in research work.

  
Coordinator



  
HOD

**Dr. K. PRATHEESH**  
Head of Department  
Department of Mechanical Engineering

  
PRINCIPAL  
MANGALAM COLLEGE OF ENGINEERING  
Ettumanoor

NAME	SEM	How do you rate the relevance of this programme to your area of specialization?	How helpful was the workshop for you ?	How do you rate this programme as a whole?	How would you rate the presenter? *	Duration of the workshop was sufficient for the topic covered ?
ABHISHEK SUBHASH	VII	Relevant		3 Good	4	3
ABIN ABRAHAM	VII	Relevant		4 Good	4	4
ABIN BIJU	VII	Relevant		3 Good	3	3
ACHU THANKACHAN	VII	Relevant		5 Excellent	5	5
ADARSH KRISHNA A.	VII	Relevant		5 Good	5	5
ADARSH PS	VII	Relevant		5 Excellent	5	5
ADARSH P VIJAY	VII	Relevant		3 Good	2	2
AJAY KURIAN TOMY	VII	Relevant		5 Excellent	5	5
AJITH K AJI	VII	Relevant		3 Good	2	2
AKSHAY S	VII	Relevant		5 Excellent	5	5
ANANDU SHAJI	VII	Relevant		3 Good	4	3
ANANTHU AJITH	VII	Relevant		5 Excellent	5	4
ANANTHU A R	VII	Relevant		4 Good	5	4
ARNOLD ROY	VII	Relevant		5 Good	5	4
ASWIN ROY	VII	Relevant		4 Fair	4	4
BASIL MATHEW	VII	Relevant		5 Excellent	5	5
BHAGYARAJ S	VII	Relevant		4 Good	4	4
BIBIN BABU	VII	Relevant		4 Fair	4	4
BIBIN CHARLES	VII	Relevant		4 Good	4	4
CILESH K MANOJ	VII	Relevant		5 Excellent	5	5
GOKUL GANESH	VII	Relevant		4	4	4
GOKUL P	VII	Relevant		4 Good	4	4
JEBIN P.D	VII	Relevant		4 Good	5	4
JERIN LUKOSE	VII	Relevant		4 Good	4	4
JERRY JOSE	VII	Relevant		4 Good	5	5
JOMON MATHEWS	VII	Relevant		4 Excellent	4	4
SREELEKSHMI S	VII	Relevant		4 Good	4	4
SAM S REJIMON	VII	Relevant		4 Excellent	4	4
• THARUN S	VII	Relevant		4 Excellent	4	3
KIRAN RAJENDRAN	VII	Relevant		4 Excellent	4	3
ARUN K S	VII	Relevant		5 Good	5	4
VITHUN LAL	VII	Relevant		3 Good	3	3
GOWTHAM BOSE	VII	Relevant		4 Excellent	4	4
ANANDHU D	VII	Relevant		5 Excellent	5	5
ALAN KOSHY VARGH	VII	Relevant		5 Excellent	5	5
JIBIN JAMES	VII	Relevant		3 Good	4	4
JITHIN THOMAS	VII	Relevant		4 Excellent	5	4
JITHIN TOMY	VII	Relevant		5 Excellent	5	4
JOEL ANTONY	VII	Relevant		4 Good	4	5
JOHN VARGHESE	VII	Relevant		3 Good	4	4
JOSEPH BABU	VII	Relevant		1 Excellent	1	1
LINU VARGHESE	VII	Relevant		5 Excellent	4	4
LUKOSE V MATHEW	VII	Relevant		4 Good	4	4
MELVIN KURIAN	VII	Relevant		5 Excellent	5	5
MUHAMMED FAZIL	VII	Relevant		4 Excellent	4	4
MUHAMMED RIHAD	VII	Relevant		1 Excellent	1	1
NEHIL SABU	VII	Relevant		4 Good	4	4
PADMAKUMAR R	VII	Relevant		4 Good	4	4
PRANAVU PRADEEPA	VII	Relevant		4 Excellent	4	4
PRATHEEK M NAIR	VII	Relevant		4 Good	4	4
RICHU JACOB REJI	VII	Relevant		4 Good	3	3
RON ROY	VII	Relevant		5 Excellent	5	5
RUFZAN HANEESH	VII	Relevant		1 Excellent	1	1
SACHIN GOPAKUMAR	VII	Relevant		3 Good	5	5
SIJAIMON JOSEPH	VII	Relevant		5 Good	5	5
SIRAJ MOHAMMED	VII	Relevant		4 Good	4	4
SOORAJ	VII	Relevant		2 Excellent	3	4
SREEHARI SANTHOS	VII	Relevant		3 Good	3	5
SREEKUTTAN K	VII	Relevant		4 Good	4	3
SUBIN VARGHESE	VII	Relevant		4 Good	5	3
SWAGAT N SHAJI	VII	Relevant		5 Good	5	5
VINAYAK VIJAYAN	VII	Relevant		3 Good	4	5
VIVEK V NAIR	VII	Relevant		5 Excellent	4	4
YASEEN MOHAMMED	VII	Relevant		5 Excellent	5	4
ANANDHAKRISHNAN	VII	Relevant		4 Excellent	4	4
TONY GEORGE	VII	Relevant		4 Excellent	5	5
AJIN K	VII	Relevant		4 Good	2	5
SREELAKSHMI	VII	Relevant		4 Good	3	3
		Relevant		4 Good	1	3
					4	3
					5	4





# MANGALIAM

## COLLEGE OF ENGINEERING

### Certificate of Appreciation

This certificate is presented to

**Dr. Anna S Kynadi**

for sharing knowledge through her talk on

**Basics of research publishing**

organised by

Department of Mechanical Engineering,


Mangalam College of Engineering, Ettumanoor, Kottayam on 21-04-2021

Dr. Ajin C Sajeevan  
Co-ordinator



Dr. Prathesh K  
Head of the Department

Dr. Manoj George  
Principal



**DEPARTMENT OF  
MECHANICAL ENGINEERING  
MANGALAM COLLEGE OF ENGINEERING**



+++



**Webinar on  
Future on Entrepreneurship  
and Employment Opportunities**



**19/9/2020  
2.00 PM**



**MANGALAM COLLEGE OF ENGINEERING, ETTUMANOOR, KOTTAYAM**

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**DEPARTMENT OF MECHANICAL ENGINEERING**

**19/9/2020**

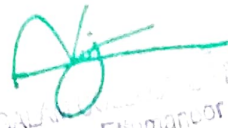
**Session – Report**

**Workshop**

**on**

**FUTURE ON ENTREPRENEURSHIP AND EMPLOYMENT OPPORTUNITIES**

**Time: 2.00 PM**

  
MANGALAM COLLEGE OF ENGINEERING  
Ettumanoor

. The details of the participants are as follows:

Sl no.	Name	Remarks
1.	Mr. Hariprasad K S, Faculty, Mechanical Engineering	
2.	Mr. Santhu Varghese, Faculty Mechanical Engineering	
Students		
1.	ABIDH SULAIMAN	
2.	ABIN ABRAHAM	
3.	ABIN BIJU	
4.	ACHU THANKACHAN	
5.	ADARSH KRISHNA A,	
6.	ADARSH PS	
7.	ADARSH P VIJAY	
8.	AFIN SALIM	
9.	AJAY KURIAN TOMY	
10.	AJITH K AJI	
11.	AKHIL SURESH	
12.	AKSHAY S	
13.	ALBIN JOHN	
14.	ANANDH V S	
15.	ANANDU SHAJI	
16.	ANANTHU AJITH	
17.	ANANTHU A R	
18.	ANTONY JAYMON	
19.	ARNOLD ROY	
20.	ASWIN ROY	
21.	BASIL MATHEW	
22.	BHAGYARAJ S	
23.	BIBIN BABU	

24.	BIBIN BENNY	
25.	BIBIN CHARLES	
26.	CILESH K MANOJ	
27.	DEEPAK P MADHU	
28.	DICKSON SUNOJ THOMAS	
29.	F SHAJAHAN	
30.	FLORA ANN BINU	
31.	GOKUL GANESH	
32.	GOKUL P	
33.	GOKUL SOMAN	
34.	GOKUL T G	
35.	JEBIN P.D	
36.	JERIN LUKOSE	
37.	JERRY JOSE	
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42.	KIRAN RAJENDRAN	
43.	ARUN K S	
44.	VITHUN LAL	
45.	ARUN KUMAR V.P	
46.	AMAL SHALIKUMAR	
47.	AKSHAY LAL	
48.	AMAL TOM MATHEW	
49.	GOKUL KRISHNA	
50.	GOWTHAM BOSE	
51.	ANANDHU D	
52.	ALAN KOSHY VARGHESE	
53.	DEVANAND	



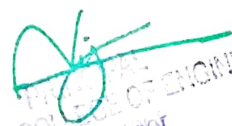
54.	AMAL SURESH	
55.	ASHOK KUMAR	
56.	ALAN BENNY	
57.	JEFFIN JAMES	
58.	Melbin Koshy varghese	
59.	MIDHUN C M	
60.	SACHIN P S	
61.	ANANDA KRISHNAN U B	
62.	SUBIN K JOHN	
63.	VITHUN LAL	
64.	PRANAV P	
65.	JIBIN JAMES	
66.	JITHIN THOMAS	
67.	JITHIN TOMY	
68.	JOEL ANTONY	
69.	JOEL MANI	
70.	JOHN VARGHESE	
71.	JOSEPH BABU	
72.	KEVIN THOMAS PUKADIYIL	

  
Coordinator



  
HOD

**Dr. K. PRATHEESH**  
Head of Department  
Department of Mechanical Engineering

  
MANGALAM COLLEGE OF ENGINEERING  
Etumanoor

NAME	SEM	How do you rate the relevance of this programme to your area of specialization?	How helpful was the workshop for you ?	How do you rate this programme as a whole?	How would you rate the presenter? *	Duration of the workshop was sufficient for the topic covered ?
ABIDH SULAIMAN	VII	Relevant		5 Good	5	5
ABIN ABRAHAM	VII	Relevant		5 Good	5	5
ABIN BIJU	VII	Relevant		3 Good	3	3
ACHU THANKACHAN	VII	Relevant		5 Excellent	5	5
ADARSH KRISHNA A.	VII	Relevant		5 Good	5	5
ADARSH PS	VII	Relevant		5 Excellent	5	5
ADARSH P VIJAY	VII	Relevant		3 Good	2	2
AFIN SALIM	VII	Relevant		5 Excellent	5	5
AJAY KURIAN TOMY	VII	Relevant		3 Good	4	3
AJITH K AJI	VII	Relevant		5 Excellent	5	5
AKHIL SURESH	VII	Relevant		4 Good	4	4
AKSHAY S	VII	Relevant		5 Good	5	4
ALBIN JOHN	VII	Relevant		4 Fair	4	4
ANANDH V S	VII	Relevant		5 Excellent	5	5
ANANDU SHAJI	VII	Relevant		4 Good	4	4
ANANTHU AJITH	VII	Relevant		4 Fair	5	4
ANANTHU A R	VII	Relevant		4 Good	4	4
ANTONY JAYMON	VII	Relevant		4 Good	4	4
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BHAGYARAJ S	VII	Relevant		4 Good	4	5
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CILESH K MANOJ	VII	Relevant		4 Good	4	4
DEEPAK P MADHU	VII	Relevant		4 Excellent	4	4
DICKSON SUNOJ THOVI	VII	Relevant		4 Excellent	4	3
F SHAJAHAN	VII	Relevant		4 Excellent	4	3
FLORA ANN BINU	VII	Relevant		5 Good	5	4
GOKUL GANESH	VII	Relevant		3 Good	3	3
GOKUL P	VII	Relevant		4 Excellent	4	4
GOKUL SOMAN	VII	Relevant		5 Excellent	5	5
GOKUL T G	VII	Relevant		5 Excellent	5	5
JEBIN P.D	VII	Relevant		3 Good	4	4
JERIN LUKOSE	VII	Relevant		4 Excellent	5	4
JERRY JOSE	VII	Relevant		5 Excellent	5	4
JOMON MATHEWS	VII	Relevant		4 Good	4	5
SREELEKSHMI S	VII	Relevant		3 Good	4	4
SAM S REJIMON	VII	Relevant		1 Excellent	1	1
THARUN S	VII	Relevant		5 Excellent	4	4
KIRAN RAJENDRAN	VII	Relevant		4 Good	4	4
ARUN K S	VII	Relevant		5 Excellent	5	5
VITHUN LAL	VII	Relevant		4 Excellent	4	4
ARUN KUMAR V.P	VII	Relevant		1 Excellent	1	1
AMAL SHALIKUMAR	VII	Relevant		4 Good	4	4
AKSHAY LAL	VII	Relevant		4 Good	4	4
AMAL TOM MATHEW	VII	Relevant		4 Excellent	4	4
GOKUL KRISHNA	VII	Relevant		4 Excellent	4	4
GOWTHAM BOSE	VII	Relevant		4 Good	4	4
ANANDHU D	VII	Relevant		5 Excellent	3	3
ALAN KOSHY VARGH	VII	Relevant		1 Excellent	5	5
DEVANAND	VII	Relevant		5 Excellent	1	1
AMAL SURESH	VII	Relevant		5 Good	4	5
ASHOK KUMAR	VII	Relevant		4 Excellent	3	3
ALAN BENNY	VII	Relevant		4 Excellent	3	4
JEFFIN JAMES	VII	Relevant		3 Excellent	3	5
Melbin Koshy varghese	VII	Relevant		5 Good	4	5
MIDHUN C M	VII	Relevant		4 Good	3	3
SACHIN P S	VII	Relevant		3 Excellent	5	3
ANANDA KRISHNAN LVII	VII	Relevant		5 Excellent	5	3
SUBIN K JOHN	VII	Relevant		4 Good	4	3
VITHUN LAL	VII	Relevant		5 Excellent	5	4
PRANAV P	VII	Relevant		4 Excellent	4	5
JIBIN JAMES	VII	Relevant		5 Excellent	3	3
JITHIN THOMAS	VII	Relevant		3 Good	3	4
JITHIN TOMY	VII	Relevant		3 Excellent	5	4
JOEL ANTONY	VII	Relevant		3 Excellent	3	5
JOEL MANI	VII	Relevant		4 Excellent	3	4
JOHN VARGHESE	VII	Relevant		4 Good	3	5
JOSEPH BABU	VII	Relevant		4 Good	5	5
KEVIN THOMAS PUKAVI	VII	Relevant		4 Excellent	3	3
		Relevant		5 Excellent	3	5
					4	4

  
 PRINCIPAL  
 MANGALAM COLLEGE OF ENGINEERING  
 Ettimoor

# Workshop

on

# Statistical tools

in

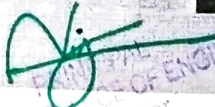
# Research and Data Analysis



## DEPARTMENT OF

## MECHANICAL ENGINEERING

## MANGALAM COLLEGE OF ENGINEERING

  
MANGALAM COLLEGE OF ENGINEERING  
EMPLOYER





**MANGALAM COLLEGE OF ENGINEERING, ETTUMANOOR, KOTTAYAM**

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**DEPARTMENT OF MECHANICAL ENGINEERING**

**07,08 January, 2021**

**Session - Report**

**Workshop**

**on**

**Statistical tools**

**in**


**Research and Data Analysis**

**Time: 10:00 AM to 3:30PM**

A handwritten signature in blue ink, appearing to be 'S. J. S.', located at the bottom right of the page.

The details of the participants are as follows:

Sl no.	Name	Remarks
1.	Dr. Praveen Wilson., Faculty, Mechanical Engineering	
2.	Dr. Ajin Sajeevan, Faculty Mechanical Engineering	
3	Vysakh S, Faculty Mechanical Engineering	
<b>Students</b>		
1.	SAJU SABU	
2.	AMAL SHAJI	
3.	ARUN THOMAS BABY	
4.	SHARON V M	
5.	TITO ELIAS JACOB	
6.	YADUKRISHNA S	
7.	SAJU SABU	
8.	AMAL SHAJI	
9.	ARUN THOMAS BABY	
10.	SHARON V M	
11.	TITO ELIAS JACOB	
12.	YADUKRISHNA S	
13.	B BHAGYA BINOY	
14.	DONAMOL JOSEPH	
15.	MARTIN ANTONY	
16.	SENCU SEBASTIAN	
17.	SHREYAS UNNIKRISHNAN	
18.	SHUHAIB NAZAR	
19.	TIJO M JOY	
20.	VISHNUPRASAD V G	

  
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21.	ABHISHEK MOHAN	
22.	ABHISHEK SUBHASH	
23.	ACHU THANKACHAN	
24.	ADARSH KRISHNA A,	
25.	ADARSH PS	
26.	AJITH K AJI	
27.	AKHIL SURESH	
28.	AKSHAY LAL	
29.	AKSHAY S	
30.	ALAN BENNY	
31.	ALAN KOSHY VARGHESE	
32.	ALBIN JOHN	
33.	AMAL SURESH	
34.	AMAL TOM MATHEW	
35.	ANANDA KRISHNAN U B	
36.	ANANDH V S	
37.	ANANDHU D	
38.	ANANTHU A R	
39.	ANANTHU AJITH	
40.	ARNOLD ROY	
41.	ARUN K S	
42.	ASHOK KUMAR	
43.	ASWIN ROY	
44.	BASIL MATHEW	
45.	BHAGYARAJ S	
46.	BIBIN BABU	
47.	BIBIN CHARLES	
48.	CILESH K MANOJ	
49.	FLORA ANN BINU	
50.	GOKUL GANESH	

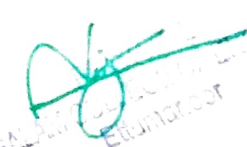
51.	GOKUL KRISHNA	
52.	GOKUL P	
53.	GOKUL T G	
54.	GOWTHAM BOSE	
55.	JEBIN P.D	
56.	JEFFIN JAMES	
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58.	JIBIN JAMES	
59.	JITHIN THOMAS	
60.	JITHIN TOMY	
61.	JOEL MANI	
62.	JOHN VARGHESE	
63.	JOMON MATHEWS	
64.	SREELEKSHMI S	
65.	SUBIN K JOHN	

  
Coordinator




  
HOD

**Dr. K. PRATHEESH**  
Head of Department  
Department of Mechanical Engineering

  
MANGALORE COLLEGE OF ENGINEERING  
Examiner

NAME	SEM	How do you rate the relevance of this programme to your area of specialization?	How helpful was the workshop for you ?	How do you rate this programme as a whole?	How would you rate the presenter? *	Duration of the workshop was sufficient for the topic covered ?
SHARON V M	III	Relevant		4 Excellent	3	4
ANANDA KRISHNAN UVII		Relevant		3 Excellent	4	5
ANANDH V S	VII	Relevant		3 Excellent	4	3
JEFFIN JAMES	VII	Relevant		5 Excellent	4	5
AKHIL SURESH	VII	Relevant		3 Excellent	3	5
BIBIN CHARLES	VII	Relevant		5 Excellent	5	3
ARUN THOMAS BABYII		Relevant		5 Good	3	3
TIJO M JOY	I	Relevant		4 Good	4	5
SENCHU SEBASTIAN I		Relevant		4 Fair	4	3
BASIL MATHEW	VII	Relevant		4 Excellent	4	3
JOEL MANI	VII	Relevant		4 Excellent	4	4
SUBIN K JOHN	VII	Relevant		4 Excellent	5	5
SAJU SABU	III	Relevant		5 Good	3	3
JOMON MATHEWS	VII	Relevant		3 Excellent	3	3
AMAL SHAJI	III	Relevant		5 Good	3	3
ABHISHEK MOHAN	VII	Relevant		4 Good	5	4
ALAN KOSHY VARGH VII		Relevant		5 Excellent	3	5
AKSHAY S	VII	Relevant		3 Good	3	5
ARNOLD ROY	VII	Relevant		5 Excellent	3	4
ACHU THANKACHAN VII		Relevant		3 Good	3	4
SAJU SABU	III	Relevant		5 Good	5	3
TITO ELIAS JACOB III		Relevant		4 Good	5	3
ANANTHU A R	VII	Relevant		3 Good	4	4
ARUN K S	VII	Relevant		5 Good	4	4
ADARSH KRISHNA A, VII		Relevant		5 Excellent	5	4
ALBIN JOHN	VII	Relevant		5 Excellent	4	3
GOWTHAM BOSE	VII	Relevant		4 Good	5	4
JITHIN TOMY	VII	Relevant		5 Good	3	5
AMAL SURESH	VII	Relevant		3 Excellent	4	5
JEBIN P.D	VII	Relevant		5 Excellent	3	5
VISHNUPRASAD V G I		Relevant		5 Good	3	4
JOHN VARGHESE	VII	Relevant		3 Excellent	5	5
ANANTHU AJITH	VII	Relevant		3 Excellent	3	3
B BHAGYA BINOY	I	Relevant		4 Fair	4	4
YADUKRISHNA S	III	Relevant		4 Good	5	3
TITO ELIAS JACOB III		Relevant		3 Good	5	5
SHUHAIB NAZAR	I	Relevant		3 Excellent	5	4
GOKUL GANESH	VII	Relevant		5 Excellent	3	3
SHARON V M	III	Relevant		5 Excellent	3	3
BHAGYARAJ S	VII	Relevant		3 Good	3	4
GOKUL T G	VII	Relevant		4 Excellent	3	4
JERRY JOSE	VII	Relevant		4 Excellent	4	4
YADUKRISHNA S	III	Relevant		4 Excellent	4	5
ASHOK KUMAR	VII	Relevant		3 Excellent	3	3
ASWIN ROY	VII	Relevant		5 Excellent	4	4
CILESH K MANOJ	VII	Relevant		3 Excellent	4	4
FLORA ANN BINU	VII	Relevant		5 Good	5	5
BIBIN BABU	VII	Relevant		4 Good	3	3
AKSHAY LAL	VII	Relevant		3 Excellent	3	4
AMAL TOM MATHEW VII		Relevant		4 Good	4	4
GOKUL P	VII	Relevant		4 Excellent	4	5
ADARSH PS	VII	Relevant		4 Good	3	4
SHREYAS UNNIKRISHI		Relevant		4 Good	4	4
AJITH K AJI	VII	Relevant		3 Excellent	3	3
ARUN THOMAS BABYII		Relevant		4 Good	5	3
SREELEKSHMI S	VII	Relevant		3 Good	3	4
AMAL SHAJI	III	Relevant		3 Excellent	5	5
DONAMOL JOSEPH I		Relevant		3 Excellent	5	3
JIBIN JAMES	VII	Relevant		4 Excellent	4	4
ANANDHU D	VII	Relevant		3 Good	3	5
MARTIN ANTONY	I	Relevant		3 Good	3	4
JITHIN THOMAS	VII	Relevant		4 Excellent	4	5
ABHISHEK SUBHASH VII		Relevant		4 Good	4	3
GOKUL KRISHNA	VII	Relevant		3 Excellent	5	3
ALAN BENNY	VII	Relevant		5 Good	3	4

  
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# MEET THE START UPS

*webinar*



## DEPARTMENT OF MECHANICAL ENGINEERING MANGALAM COLLEGE OF ENGINEERING

21/8/2020  
10.00 am

NAME	SEM	How do you rate the relevance of this programme to your area of specialization?	How helpful was the workshop for you ?	How do you rate this programme as a whole?	How would you rate the presenter? *	Duration of the workshop was sufficient for the topic covered ?
Kiran R	III	Relevant		3 Good	4	4
Arjun A	III	Relevant		4 Good	4	3
Jonath Thomas George	III	Relevant		3 Good	4	3
Cijo Kurian Abraham	III	Relevant		5 Excellent	5	4
ARUN V MADHU	III	Relevant		5 Good	3	3
Asif M N	III	Relevant		5 Excellent	4	4
Sayana Niyas	III	Relevant		3 Good	5	5
Jithin G Nair	III	Relevant		5 Excellent	4	4
Abin joy	III	Relevant		3 Good	5	4
Ajith K G N	III	Relevant		5 Excellent	4	4
SANANDHU KS	III	Relevant		4 Good	5	5
Sujith Mathai Mathew	III	Relevant		5 Good	4	4
Alex Mathew George	III	Relevant		4 Fair	4	4
Anandu Sajeev	III	Relevant		5 Excellent	1	1
Aswin A	III	Relevant		4 Good	4	4
ARAVIND SHINE	III	Relevant		4 Fair	4	4
Abhinand Vijay	III	Relevant		4 Good	4	4
Aswin Krishna V S	III	Relevant		5 Excellent	5	4
Anand K Raj	III	Relevant		4 Excellent	3	3
Govind S Nair	III	Relevant		4 Good	4	4
R Rajesh	III	Relevant		4 Good	5	5
Arun raju	III	Relevant		4 Good	5	5
Jestin Varkey	III	Relevant		4 Good	4	4
Harish kumar H	III	Relevant		4 Excellent	5	4
Michel Prakash Yohann	III	Relevant		4 Excellent	4	5
Franav P J	III	Relevant		4 Excellent	4	4
Gopikrishna B	III	Relevant		4 Excellent	4	4
Amalkumar PP	III	Relevant		4 Excellent	1	1
Bibin Varghese	III	Relevant		5 Good	3	3
Nidhan Krishna	III	Relevant		3 Good	4	4
Sreekanth N H	III	Relevant		4 Excellent	5	5
Ashik Suresh	III	Relevant		5 Excellent	5	5
Mathews chacko	III	Relevant		3 Good	4	4
JAYARAJ J	III	Relevant		4 Excellent	5	4
Ceril M Mathew	III	Relevant		5 Excellent	4	5
Felix Alexander	III	Relevant		4 Good	4	4
Arjun p	III	Relevant		3 Good	1	1
VIDHUKRISHNAN U	III	Relevant		1 Excellent	4	4
Bijoy J	III	Relevant		5 Excellent	4	4
Adithyan S	III	Relevant		4 Good	5	5
Amal E S	III	Relevant		5 Excellent	4	4
Kiran ep	III	Relevant		4 Excellent	1	1
Sajin K John	III	Relevant		1 Excellent	4	4
ARJUN B LAL	V	Relevant		4 Good	4	4
ARUN ABRAHAM	V	Relevant		4 Good	4	4
ARUN OMANAKUTTAN	V	Relevant		4 Excellent	4	4
ASWIN ABRAHAM	V	Relevant		4 Excellent	4	4
ASWIN ROSE THOMA	V	Relevant		4 Good	3	3
ASWIN SAJU	V	Relevant		5 Excellent	5	5
BAROSE BABY	V	Relevant		1 Excellent	1	1
BERIN M BIJU	V	Relevant		4 Good	5	4
BINIL BINOY	V	Relevant		4 Good	4	5
BINSON PAULSON	V	Relevant		4 Excellent	4	4
BONEY CHERIAN	V	Relevant		4 Excellent	1	1
CYRIL BABU	V	Relevant		4 Excellent	4	4
DELPHY JOSEPH	V	Relevant		5 Good	4	4
EBIN V EDISON	V	Relevant		3 Excellent	5	5
ELDHO BABYCHAN	V	Relevant		4 Excellent	4	4
JAN K JOY	V	Relevant		5 Excellent	4	4
JERIL JUSTIN	V	Relevant		5 Good	1	1
JUSTIN BABYCHEN	V	Relevant		3 Good	4	4
SHERINIMON M S	V	Relevant		4 Excellent	4	4
U ANANTHA KRISHNAV	V	Relevant		5 Excellent	4	4
MERIT KURIAN	V	Relevant		4 Good	4	4
JITHIN RAJ	V	Relevant		3 Excellent	3	3
KAILASHNATH H	V	Relevant		1 Excellent	5	4
MITHUN CHERYAN	V	Relevant		5 Good	4	4
NAKUL SURESH	V	Relevant		4 Good	4	4
NAVANEETH SANTHOV	V	Relevant		5 Excellent	1	1
NEVIN PHILIP JOJI	V	Relevant		4 Excellent	4	4
NIHAS NIZAR	V	Relevant		1 Good	4	4



**MANGALAM COLLEGE OF ENGINEERING, ETTUMANOOR, KOTTAYAM**

**Accredited by NAAC & ISO 9001:2000 Certified Institution**

**DEPARTMENT OF MECHANICAL ENGINEERING**

**21/08/2020**

**Session – Report**

**Workshop**

**on**

**MEET THE STARTUPS**

**Time: 10:00 AM to 11.00 AM**

  
MANGALAM COLLEGE OF ENGINEERING  
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The details of the participants are as follows:

Sl no.	Name	Remarks
1.	Dr. Ajin Sajeevan, Faculty, Mechanical Engineering	
2.	Mr.Hariprasad K S, Faculty Mechanical Engineering	
3.	Dr. Sreekumar V, Professor, Mechanical Engineering	
<b>Students</b>		
1.	ABHINAND VIJAY	
2.	ABIN JOY	
3.	ADITHYAN S	
4.	AJITH K G N	
5.	ALEX MATHEW GEORGE	
6.	AMAL E S	
7.	AMALKUMAR PP	
8.	ANAND K RAJ	
9.	ANANDU SAJEEV	
10.	ARAVIND SHINE	
11.	ARJUN A	
12.	ARJUN P	
13.	ARUN RAJU	
14.	ARUN V MADHU	
15.	ASHIK SURESH	
16.	ASIF M N	
17.	ASWIN A	
18.	ASWIN KRISHNA V S	
19.	BIBIN VARGHESE	
20.	BIJOY J	
21.	CERIL M MATHEW	


22.	CIJO KURIAN ABRAHAM	
23.	FELIX ALEXANDER	
24.	GOPIKRISHNA B	
25.	GOVIND S NAIR	
26.	HARISH KUMAR H	
27.	JAYARAJ J	
28.	JESTIN VARKEY	
29.	JITHIN G NAIR	
30.	JONATH THOMAS GEORGE	
31.	KIRAN EP	
32.	KIRAN R	
33.	MATHEWS CHACKO	
34.	MICHEL PRAKASH YOHANNAN	
35.	NIDHIN KRISHNA	
36.	PRANAV P J	
37.	R RAJESH	
38.	SAJIN K JOHN	
39.	SANANDHU KS	
40.	SAYANA NIYAS	
41.	SREEKANTH N H	
42.	SUJITH MATHAI MATHEW	
43.	VIDHUKRISHNAN U	
44.	ARJUN B LAL	
45.	ARUN ABRAHAM	
46.	ARUN OMANAKUTTAN	
47.	ASWIN ABRAHAM	
48.	ASWIN ROSE THOMAS	
49.	ASWIN SAJU	
50.	BAROSE BABY	
51.	BERIN M BIJU	

  
Principal  
St. Joseph's School  
Kottayam

52.	BINIL BINOY	
53.	BINSON PAULSON	
54.	BONEY CHERIAN	
55.	CYRIL BABU	
56.	DELPHY JOSEPH	
57.	EBIN V EDISON	
58.	ELDHO BABYCHAN	
59.	JAN K JOY	
60.	JERIL JUSTIN	
61.	JITHIN RAJ	
62.	JUSTIN BABYCHEN	
63.	KAILASNATH H	
64.	MERIT KURIAN	
65.	MITHUN CHERIYAN	
66.	NAKUL SURESH	
67.	NAVANEETH SANTHOSH	
68.	NEVIN PHILIP JOJI	
69.	NIHAS NIZAR	
70.	SHERINMON M S	
71.	U ANANTHA KRISHNA	

  
Co-ordinator



  
HOD

**Dr. K. PRATHEESH**  
Head of Department  
Department of Mechanical Engineering

  
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