

Dr.Mahalingam College of Engineering and Technology, Pollachi-642003

Office of Dean Research and Innovation

Report

“Jargons in Research – Knowledge Sharing Sessions”

Date: 01.08.2023

About the Session

The Office of Research and Innovation organized a Knowledge Sharing Session for the benefit of the faculty members of MCET. The session details are given below for your kind reference.

S.No	Name of the Resource Person	Topic	Date &Time	Venue	No of Participants
1	Dr. T. Ramkumar, AP(SG)/Mech, MCET.	Jargons in Research	16.06.2023 11.00 am to 12.30 pm	OBE Seminar Hall	37

Topics Covered:

Types of Research

- Methodology/ Theoretical Research
- Experiment
- Survey Research
- Case Study

Methodology/Theoretical Research:

This type of research focuses on the development and evaluation of research methods, frameworks, or theoretical models. It aims to enhance understanding and provide a foundation for future empirical research.

Experiment Research

Experimental research involves the manipulation of variables in a controlled environment to establish cause-and-effect relationships. Researchers design and conduct experiments to test hypotheses and gather empirical evidence.

Survey Research

Survey research involves collecting data from a sample of individuals through questionnaires, interviews, or online surveys. It aims to gather information about attitudes, opinions, behaviors, or characteristics of a population.

Case Study

A case study is an in-depth investigation of a particular individual, group, organization, or situation. Researchers analyze real-life contexts to gain insights into complex phenomena, often using multiple sources of data such as interviews, observations, and documents.

H-index

The H-index captures output based on the total number of publications and the total numbers of citations.

Case Studies:

S. No.	Article	Cited by
1.	Article 1	13
2.	Article 2	12
3.	Article 3	12
4.	Article 4	11
5.	Article 5	10
6.	Article 6	5
7.	Article 7	4
8.	Article 8	3
9.	Article 9	3

H-Index = 5

S. No.	Article	Cited by
1.	Article 1	13
2.	Article 2	12
3.	Article 3	12
4.	Article 4	11
5.	Article 5	10
6.	Article 6	6
7.	Article 7	4
8.	Article 8	3
9.	Article 9	3

H-index = 6

Dr. T. Ramkumar
 Dr. Mahalingam College of Engineering and Technology
 Verified email at drmcet.ac.in
 Powder Metallurgy Nano Composites Surface Engineering Tribology Corrosion

Publication Title	Cited by	Year
Characterization of untreated and alkali treated new cellulosic fiber from an Areca palm leaf stalk as potential reinforcement in polymer composites	175	2018
Studies on the structural property, mechanical relationships and corrosion behaviour of Inconel 718 and SS 316L dissimilar joints by TIG welding without using activated flux	75	2017
Extraction and Characterization of New Natural Cellulosic <i>Chloris barbata</i> Fiber	51	2018

Cited by

	All	Since 2018
Citations	817	807
h-index	16	16
i10-index	23	22

Bar chart showing Citations per Year (2017-2023):

Year	Citations
2017	~10
2018	~50
2019	~100
2020	~150
2021	~200
2022	~250
2023	~150

i10-index

i10-Index is the number of publications with at least 10 citations.

Open access

Open access is a publishing model for scholarly communication that makes research information available to readers at no cost, as opposed to the traditional subscription model in which readers have access to scholarly information by paying a subscription. Open access ensures that scholarly research is freely available to the public without financial barriers.

Subscribed access

Subscribed access limits the availability of scholarly research to individuals who have paid for access through subscriptions.

Peer review

Peer review is a rigorous process in which experts in a particular field evaluate and assess the quality, validity, and significance of research articles before they are published, ensuring the integrity and credibility of scholarly literature.

Review comments

Review comments are feedback provided by peer reviewers to authors during the peer review process. These comments highlight strengths, weaknesses, and suggestions for improvement in the research manuscript, helping authors refine their work and enhance the overall quality of the publication.

Journal Download

A link was shared to access and download the journal paper, allowing users to obtain a copy of the scholarly article for their personal use or reference.

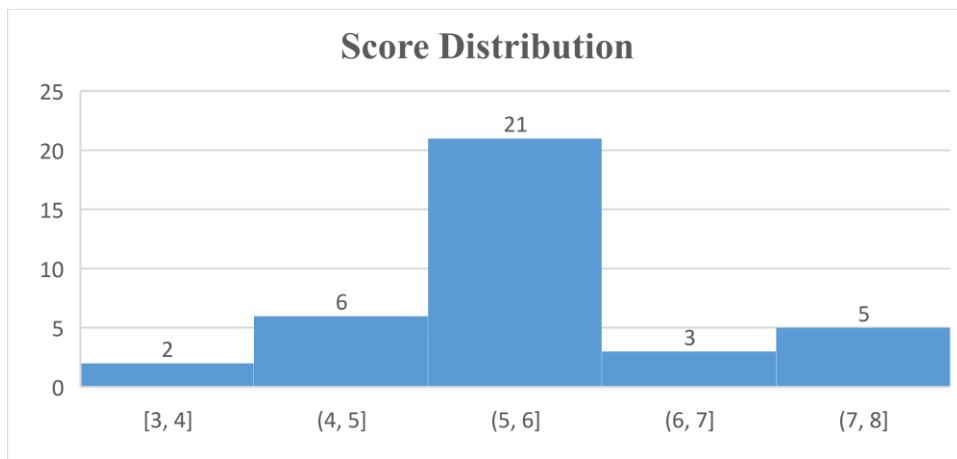
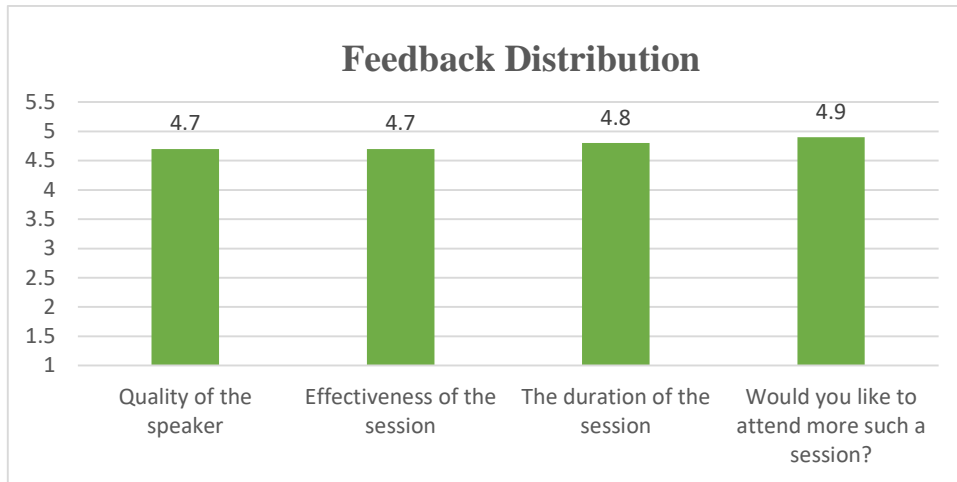
Journal Ranking

Journal ranking refers to the evaluation and categorization of academic journals based on various criteria such as impact factor, citation metrics, publication frequency, editorial quality, and reputation within the academic community. Journal ranking systems aim to provide researchers with an assessment of the relative importance, influence, and prestige of different journals in their respective fields, helping them make informed decisions about where to publish their research.

Scopus	https://www.scopus.com/sources.uri?zone=TopNavBar&origin=
SCIE	https://mjl.clarivate.com/search-results
Q1	https://www.scimagojr.com/journalrank.php

Feedback and Assessment

Feedback was collected from all participants and they shared positive views about the session. Based on the topic discussed multiple choice questions assessment was given to participants to assess the effectiveness of the session.



The following Questions have given to the participants:

1. List the types of citations

Answer:

Google scholar and Scopus

2. H-index captures output based on

- A. Number of Publications
- B. Number of Citations
- C. Both a & b ✓**
- D. None of the above

3. What is the H-index of the below table?

S. No.	Article	Cited by
1.	Article 1	13
2.	Article 2	12
3.	Article 3	12
4.	Article 4	11
5.	Article 5	10
6.	Article 6	6
7.	Article 7	4
8.	Article 8	3
9.	Article 9	3

- A. 5
- B. 7
- E. 6 ✓**
- C. 8

4. What is the H-index of the below table?

S. No.	Article	Cited by
1.	Article 1	13
2.	Article 2	12
3.	Article 3	12
4.	Article 4	11
5.	Article 5	10
6.	Article 6	9
7.	Article 7	6
8.	Article 8	3
9.	Article 9	3

- A. 6 ✓**
- B. 7
- C. 5
- D. 8

5. What is the H-index of the below table?

S. No.	Article	Cited by
1.	Article 1	13
2.	Article 2	12
3.	Article 3	12
4.	Article 4	11
5.	Article 5	10
6.	Article 6	8
7.	Article 7	8
8.	Article 8	8
9.	Article 9	3

- A. 6
- B. 8 ✓**
- C. 7
- D. 9

6. What is the H-index of the below table?

S. No.	Article	Cited by
1.	Article 1	13
2.	Article 2	12
3.	Article 3	12
4.	Article 4	11
5.	Article 5	10
6.	Article 6	6
7.	Article 7	4
8.	Article 8	3
9.	Article 9	3

- A. 5
- B. 6 ✓**
- C. 7
- D. 8

7. Define i10-index?

i10-Index is the number of publications with at least 10 citations.

8. List the advantages of the peer review process

Answer:

- Ensures quality and reliability of research
- Validates and enhances credibility of published work
- Provides valuable feedback for improvement
- Filters out errors and biases

9. List the types of research

Answer:

- Methodology/ Theoretical Research
- Experiment
- Survey Research
- Case Study

10. What is the main role of research in education?

- A. To upsurge one's social status
- B. To increase one's job prospects
- C. To augment one's personal growth
- D. To help an applicant in becoming a renowned educationalist ✓**

Interaction:

Is there any difference between SCI and SCIE?

SCI and SCIE journals are having only one difference and that is their storage. SCIE journals are available online while SCI journals are available in CD/DVD and online both.

How do I find the suitable journal for my manuscript?

You can submit your abstract, title with appropriate keywords in the online journal finder which is available for each publisher. Then you could get the suitable journal.

Is there any difference between special issue and normal issue in a journal?

A special issue is different from a regular journal issue since it focuses on a specific topic of research that usually has a broad appeal.

Outcomes

- ❖ As outcomes of the session, participants could understand the Basic things about the indexing of journals, h-index, i-10 index, finding Q1/Q2/Q3, impact factor.
- ❖ Participants could write the manuscripts in a technically sound manner.

Photos Taken During Session



S. Prunkaney

Dean R&I

Prinpal

Principal

--Sd--
Secretary

Dr.Mahalingam College of Engineering and Technology, Pollachi-642003

Office of Dean Research and Innovation

Detailed Feedback

Topic: Jargons in Research

Resource Person: Dr. T. Ramkumar,AP(SG),Mech

Date : 16.06.2023

1. How do you rate quality of the speaker?

Factor	Percentage(%)	Rating
Excellent	79.5	5
Good	17.9	4
Average	2.6	3
Satisfactory	0	-
Poor	0	-

2. How do you rate effectiveness of the session?

Factor	Percentage(%)	Rating
Excellent	71.8	5
Good	25.6	4
Average	2.6	3
Satisfactory	0	-
Poor	0	-

3. The duration of the session is

Factor	Percentage	Rating
Appropriate	84.6	5
Too short	15.4	4
Too Long	0	-

4. Would you like to attend more such a session?

Factor	Percentage	Rating
Yes	97.4	5
No	2.6	4

Dr.Mahalingam College of Engineering and Technology, Pollachi			
Office of Dean Research and Innovation			
Topic: Jargons in Research			
Resource Person: Dr. T. RamKumar/AP(SG),Mech			Date: 16.06.2023
S.No.	Name of the Faculty	Designation with Department	Total score
1	S. Soundariya	AP(SS)/IT	8
2	Janani D	AP(SS)/IT	8
3	Sumathi T	AP/IT	8
4	Kiruthika DC	AP/AIDS	8
5	Suthaviji S	AP/CIVIL	8
6	K.Radha	AP/CSE	7
7	S Deepa	AP/IT	7
8	S Selvanayaki	AP/IT	7
9	B.Suganya	AP/CSE	6
10	Kanagasabapathy. T	AP/CSE	6
11	Bharathiraja R	AP/MECH	6
12	M. Kavitha	AP/AIML	6
13	Praveen Kumar A	AP/CIVIL	6
14	R.Anuja	AP/CIVIL	6
15	Sreejith S Nair	AP (SS)/MECH	6
16	Vishnurameshkumar R	AP/AUTO	6
17	S.Yamunadevi	AP/AIML	6
18	A.Suganya	AP/CSE	6
19	Manikandan A	AP/CIVIL	6
20	Binisha R	AP/CSE	6
21	Mahalingam S	AP/AUTO	6
22	K Soundararajan	AP/MECH	6
23	R.B.Rajehkumar	AP/AUTO	6
24	Pon Murugan M	AP (SS)/AUTO	6
25	Gurupanes SV	AP/MECH	6
26	Arun M	AP (SS)/AIDS	6
27	Vijayakkannan K	AP(SS)/MECH	6
28	P.S. Sathish Kumar	AP/CIVIL	6
29	Tamilarasan VD	AP/AUTO	6
30	M. Bhagavathi Priya	AP/AIML	5
31	Shanmugaveni V	AP/CYS	5
32	S. Krishnakumar	AP (SS) /CIVIL	5
33	Gowri D	AP/CYS	5
34	Theepika.K.C	AP/MCA	5
35	Jayalakshmi A	AP/CSE	5
36	M. Sivakumar	AP/IT	4
37	Rini Angeline Vinshia J	AP/CYS	3

Office of Dean Research & Innovation

Knowledge Sharing Session - Faculty Attendance

Venue: OBE Seminar Hall (B110)

Time: 11:00 am - 12:30 pm

Date: 16.06.2023

S.No.	Name of the Faculty Members with Designation	Department	Signature
1.	S. Soundariya, AP(SS)	IT	S. Soundariya
2.	D. Janani, AP(SS)	IT	D. Janani
3.	S. Sthanayaki, AP	ET	S. Sthanayaki
4.	T. Sumathi, AP	ET	T. Sumathi
5.	S. Deepa, AP	ET	S. Deepa
6.	D.C. Kirothikka	AI&DS	D.C. Kirothikka
7.	S. SUTHAVIJI	CIVIL	S. Suthaviji 16/6/23
8.	R. ANUJA	CIVIL	R. Anuja 16/6/23
9.	Ms. K. C. THEEPIKA	AP/MCA	K. C. Theepika 16/6/2023
10.	T. KANNA SA SARAPathay	AP/CSE	T. Kanna Sa SaraPathay 16/6/23
11.	R. Bhuvanishya	AP/Mech	R. Bhuvanishya
12.	B. SUGANYA	AP/CSE	B. Suganya 16/6/23
13.	A. Jayalakshmi	AP/CSE	A. Jayalakshmi 16/6/23
14.	R. Binisha	AP/CSE	R. Binisha
15.	A. Suganya	AP/CSE	A. Suganya 16/6/23
16.	M. Bhagavathi Peeya	AP/CSE (AI+ML)	M. Bhagavathi Peeya
17.	K. Ratha	AP/CSE	K. Ratha
18.	V. Shanmugavethi	AP/CSE (CYS)	V. Shanmugavethi
19.	S. YAMUNADEVI	AP/CSE (AI+ML)	S. Yamunadevi
20.	D. Gowri	AP/CSE (CYS)	D. Gowri

21.	M. KANTHA	AIML	M.K.
22.	J. RINI ANGELINE	CYS	J.R.
23.	M. SIVAKUMAR	AP/IT	M.S.
24.	M. ARUN	AP/AIDS	M.A.
25.	R.B. RAJESHKUMAR	AP/AUTO	R.B.R.
26.	S. NTAHALINGAM	AP/AUTO	S.N.
27.	M. PONMURUGAN	AP(SS)/AU	M.P. 16/6/23
28.	V. D. TAMILARASAN	AP/AU	V.D.
29.	R. VISHNUKAMESHKUMAR	AP/AUTO	R.V.
30.	S. KRISHNAKUMAR	AP(SS)/CIVIL	S.K.
31.	A. PRAVEEN KUMAR	AP/CE	A.P.
32.	SREEJITH S. NAIR	AP(SS)/MECH	S.N.
33.	P.S. SATHISH KUMAR	AP/CE	P.S. 16/6/23
34.	A. MANIKANDAN	AP/CE	A.M. 16/6/23
35.	K. SOUNDARARAJAN	AP/MECH	K.S.
36.	GUNRAMES SV	AP/MECH	G.S.
37.			
38.	X.V.S.P.K. KANNAN	AP(SS)/MECH	X.V.S.P.K.
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