

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

Office of Dean Research and Innovation

Report

“PROPOSAL WRITING FOR GRANTS”-KNOWLEDGE SHARING SESSION

Date: 13.06.2023

About the Session

The Office Dean 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.S.Parveen, Woman Scientist	Proposal Writing for Grants	13.05.2023	EEE Seminar Hall	90

Dean Academic and Autonomous delivered Inaugural address and he appreciates the resource person as she is the right person to give an input to the faculty members. He also requested the faculty members keep on writing proposals and submit to the funding agencies. Basic Science proposals were easily approved by funding agencies, so try to submit and get a seed money. Each and Every Knowledge Sharing Session give the research ideas and helps the faculty members to enhance the knowledge in research.

Topics Covered:

Research:

- Research is a Search for knowledge. Scientific and systematic search is related to pertinent information on a specific topic.
- Descriptive research is the Surveys, facts and finding enquiries.
- Analytical research is Critical evaluation of the material.
- Applied research aims at finding a solution for societal needs
- Empirical research is data-based research.

Grant:

A grant is a mechanism by which an agency awards money to fund a research study or other activity, such as an educational program, service program, demonstration, or research project.

She suggested that, before we apply for grant

- Believe that someone wants to give you the money.
- Consider the long-term goals of your institution.
- Start with the end in mind Identify yourself and your strengths.
- Create a comprehensive plan
- Funding bodies look for good researchers.

- Think of them as potential investors in you and your ideas.
- You must 'sell' your idea: Be enthusiastic about the work!
- Why should they give a grant? See it from the funder's point of view.
- Remember that you are NOT begging.

Self-Questioning Before the Race

- Finding Current trends, limitations and restrictions
- Searching for which Subject areas the funding agency awarded funding recently
- Decision-makers - assessors
- Review processes do they follow
- Clearly define the Objectives of the project and Outcomes of the project.
- Outcomes of the project
- It addresses a well-formulated problem
- It's just a routine application of a known technique.

Research Proposal

A Research Proposal is a formal document that explains what you plan to research, why its worth researching and how you will do it.

- It is like a blue print of a building plan before the construction starts.
- Writing a research proposal is both science and art.
- A good research proposal is based on scientific facts and on the art of clear communication

Components of Research Proposal

- Title
- Objective
- Introduction
- Research Questions
- Methodology
- Analysis
- Schedule

Title:

- The title should give a clear indication of the proposed research approach or key question.
- It should be Brief, Sharp, and attractive.

Objectives:

- Objectives are very important and pivotal part.
- It should be Specific, achievable and measurable.
- Too many objectives to be avoided.
- Even just one clearly stated relevant objective.

If there is more than one objective then the same can be presented in the appropriate order of importance.

Introduction:

- Help the reader to acquaint with the topic.
- Short about one or two pages.
- Problem should be stated in such a way that its importance and relevance is realized by anyone who reads it.

Background Work:

- The Investigator has an extensive review of literature. So that it helps the investigator to gain good knowledge in that field of inquiry and to have insight on different methodologies that could be applied.

Research Methodology:

- Research Methodology is a way to systematically solve the research problem.
- It is essential to discuss procedures clearly with considerable amount of details.
- Investigator should study design, Instrumentation, Specific procedures etc.

Time Frame and Work Schedule:

- Time Frame and Work Schedule is the sequence of tasks to be performed.
- It is anticipated length of time required for project completion and the personnel required.
- The result should be in Tabular or graphic form (Gantt chart)
- Flow charts and other diagrams are often useful for highlighting the sequencing and interrelationship.

Budget:

- Budget translates project activities into monetary terms.
- The two Major types of Budget are Recurring and Non –Recurring heads
- Recurring heads include Salary for staff (Scientists, SRF, JRF), Consumables (Computer, Software, Chemicals, Glasswares), Contingency (Printing & Analysis charges), Travel, Institutional overheads (7%).
- Non-Recurring heads is the purchase of equipment. Before the purchase of equipment, get a Latest Quotation from the concerned company.

Tips to interact with the Experts –Presentation:

- Explain your ideas clearly in front of Experts.
- Stick on with the scheduled time.
- They ask negative questions also, be confident with your proposal.

- Don't Panic and do not show fear in your face
- You are the Ambassador of your idea.

List of Funding Agencies:

S.No.	Funding Agency	Abbreviation	Website
1	AICTE	All India Council for Technical Education	www.aicte-india.org
2	CSIR	Council of Scientific and Industrial Research	www.csirhrdg.res.in
3	DAE-BRNS	Department of Atomic Energy	www.dae.gov.in
4	DAE-NBHM	National Board for Higher Mathematics	www.nbhm.dae.gov.in
5	DBT	Department of Bio-Technology	www.dbtindia.nic.in
6	DOE	Department of Electronics	www.dde.nic.in
7	DRDO	Defence Research and Development Organisation	www.drdo.gov.in
8	DRDO-AR&DB	Aeronautics Research and Development Board	www.drdo.gov.in
9	DRDO-DMRL	Defence Metallurgical Research Laboratory	www.drdo.gov.in
10	DRDO-LSRB	Life Sciences Research Board	www.drdo.gov.in
11	DSIR	Department for Scientific and Industrial Research	www.dsir.gov.in
12	DST	Department of Science and Technology	www.dst.gov.in
13	ICMR	Indian Council of Medical Research	www.icmr.nic.in
14	IGCAR	Indira Gandhi Centre for Atomic Research	www.igcar.ernet.in
15	INSA	Indian National Science Academy	www.insaindia.org
16	IREDA	Indian Renewable Energy Development Agency Limited	www.ireda.gov.in
17	ISRO	Indian Space Research Organisation	www.isro.org
18	ISTE	Indian Society For Technical Education	www.isteonline.in
19	IE	The Institution of Engineers (India)	www.ieindia.org
20	IET	The Institution of Engineering and Technology	www.theiet.org
21	IMD	India Meteorological Department	www.imd.gov.in
22	MCIT	Ministry of Communications and Information Technology	www.mcit.gov.ws

Suggestion:

- Do not feel embarrassed about asking for money.
- If you never ask for the money, it will never be offered.
- At first you don't succeed, try and try again.
- Learn from feedback regarding a rejected proposal.

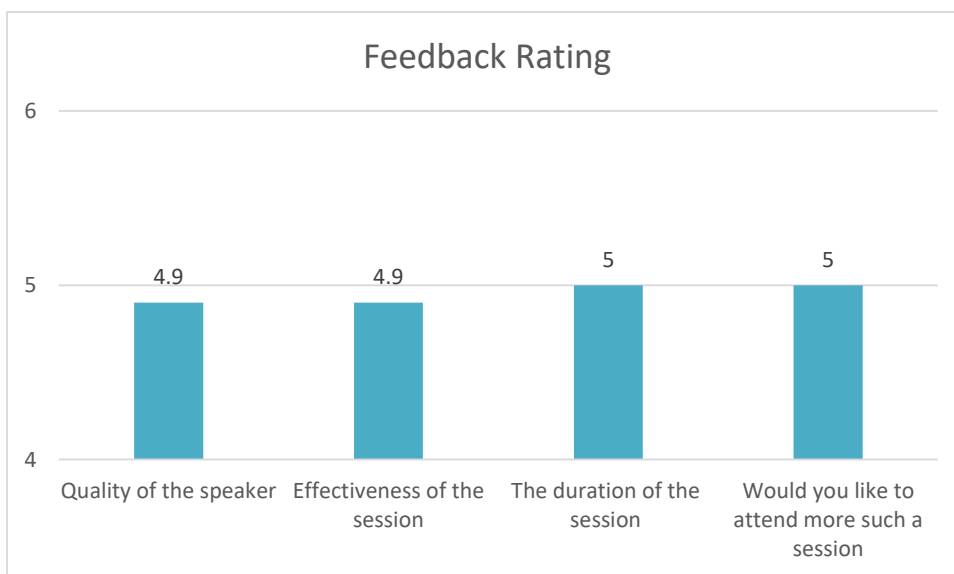
Valedictory Address

Dr. J. Ramprasath, Assistant Professor (SS)/IT wined up the session with a Vote of Thanks. He extended his gratitude of thanks to the Management. Secretary, Principal, Dean R&I, Resource Person and all participants for the successful completion of Workshop. He also honors the resource person and presents her with a certificate of appreciation.

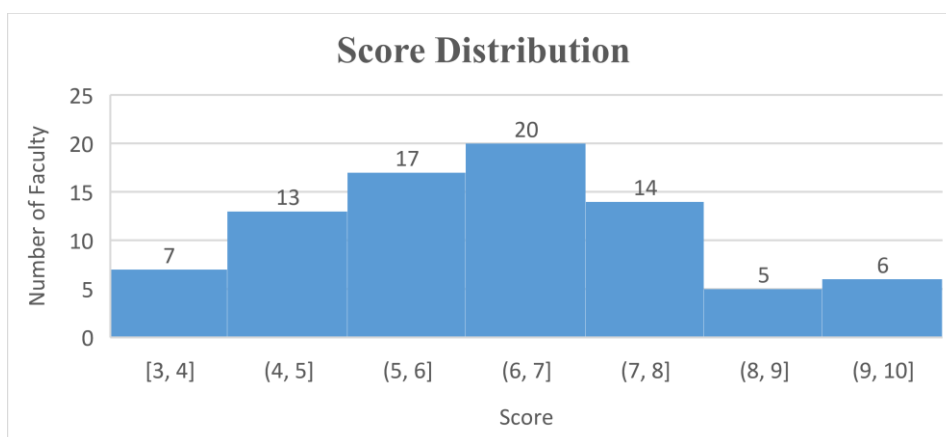
Feedback and Assessment

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.

Feedback Analysis:



Participants Score



The following MCQs have given to the participants:

1. A research proposal

- A. Should be detailed.
- B. Should be given to others for review and comments.
- C. Sets out the rationale for a research study.
- D. **All the above ✓**

2. The research proposal's literature review is important because
 - A. The advisor insists upon it.
 - B. It looks authoritative ✓**
 - C. It shows that you are knowledgeable about the literature that relates to your research topic.
 - D. It is expected by the university.
3. Which statement describes the purpose of a research proposal?
 - A. It is an overall plan, structure and strategy designed to obtain answers to the research questions.
 - B. A document for scientific scrutiny for others to judge the appropriateness of the project.
 - C. A reference document to show how the research was carried out.
 - D. All of the above ✓**
4. Research proposal is like a _____ print of a building plan before the construction starts.
 - A. Black
 - B. Blue ✓**
 - C. White
 - D. Yellow
5. A research proposal outlines the research process that is to be undertaken so that the _____ and appropriateness can be examined by others.
 - A. Relevance.
 - B. Appearance.
 - C. Authority.
 - D. Validity ✓**
6. A grant is a _____ by which an agency awards money to fund a research study or other activity, such as an educational program, service program, demonstration, or research project
 - A. Task
 - B. Mechanism ✓**
 - C. Phenomena
 - D. Method
7. Very important, pivotal and centred part of proposal is _____
 - A. Title
 - B. Introduction
 - C. Objectives ✓**
 - D. Conclusion
8. The proposal should start with _____.
 - A. Sampling technique
 - B. An overview of the main area under study ✓**
 - C. The proposed structure of the report
 - D. A time frame of the proposed research
9. A study design is a _____ plan or protocol for conducting the study, which allows the investigator to translate the conceptual hypothesis into an operational one.
 - A. Specific ✓**
 - B. Sample
 - C. Master
 - D. Principal
10. _____ is essential to discuss procedures clearly with considerable amount of details in the proposal writing.
 - A. Introduction
 - B. Research Methodology ✓**
 - C. Title
 - D. Conclusion



Interaction:

Did you receive seed money for your project proposal during Ph.D?

Yes, I received seed money during my Ph.D. I had completed entire research work by using seed Money.

Outcomes

- ❖ As outcomes of the session, participants are able to understand how to write the proposals for grants.



Dean R&I



Principal

--Sd--

Secretary

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

Office of Dean Research & Innovation

Knowledge Sharing Session - Faculty Attendance

Venue: Electrical Seminar Hall

Time: 9:30 am – 11:30 am

Date: 13.05.2023

S.No.	Name of the Faculty Members with Designation	Department	Signature
1.	G. Saranya, AP	IT	G.S.
2.	V. GIJUNATHAN	ECE	V.G.
3.	B. SUGANYA	CSE	B.S.
4.	C. Jayashree, AP (SS)	CSE	C.J.
5.	R. GANESH	MCS	R.G.
6.	V. Karpagam	EIE	V.K.
7.	J. Arshu Vasanth, AP	EEE	J.A.
8.	Muthubhavathi. R AP(SS)	EEE	M.R.
9.	M. Gideon Ganesh. AP (SS)	Mech	M.G.
10.	R. Anuja, AP	Civil	R.A.
11.	K.C. Theepika. (AP)	MCA	K.C.
12.	S. SHARMILA, AP/CE	CIVIL	S.S.
13.	S. SUTHAVIJI AP	CIVIL	S.S.
14.	G. GIYATHRI AP/CSE	CSE	G.G.
15.	A. SUGANYA, AP	CSE	A.S.
16.	A. Jayalakshmi AP	CSE	A.J.
17.	R. Bhavathi AP	CSE	R.B.
18.	K. ANANTHI AP/ATSDS	ATSDS	K.A.
19.	K. Radha AP/CSE	CSE	K.R.
20.	K. Rajalakshmi AP(SS)	S&IT	K.R.
21.	N. Purnitha AP	S&IT	N.P.
22.	R. Vidhya AP	S&IT	R.V.

23.	R. Binisha	CSE	
24.	V. Shanmugavani	CSE (CYS)	
25.	N. Sagiatham	ECE	
26.	N. Nithiyameenatchi	ECE	
27.	S. YAMUNADEVI	CSE (AIRML)	
28.	G. Deepa	CSE	
29.	M. Shagavathi Devi	CSE (AITMP)	
30.	R. Dhanya	CSE	
31.	P. Vunji priya	ECE	
32.	M. Anu	Mech	
33.	S. ABIRAMASUNDARI	ECE	
34.	K. Resulca Devi	IT	
35.	S. Thilagavathi	ECE	
36.	T. Sathya priya	ECE	
37.	A. G. Priya Venkateshi	IT	
38.	D. Janani	IT	
39.	V. Arumadeni	SRIT	
40.	S. Soundariya	IT	
41.	P. Selvanayagi	IT	
42.	P. Gauri	CSE (CYS)	
43.	C. Deepriya	CSE	
44.	H. KANTHA	ADML	
45.	J. Rini	CYS	
46.	N. Chithra	Chem	
47.	M. NITHYAKUNAR	ECE	
48.	S. SRAVANAN	ECE	

49.	K. Kanagasabapathi	IT	J. J. J. J.
50.	PRABHU K	CSE	Prabh K
51.	P. Boopathi Rajan	CSE	P.
52.	T. Gowtham.	EIE	T. G. G.
53.	A. VENKATESH	EIE	A. Venkatesh
54.	M. L. Muthuham	EEE	M. L. M.
55.	M. Vignesh	ECE	M. V.
56.	M. GIRIDHARADHARALAN	MCS	M. G. G.
57.	R. BHUVANESWARI	SDH/Eng	R. B.
58.	S. Ananakumar	Mech	S. A.
59.	S. NARAJAN	EEE	S.
60.	N. Karthikeyan	AP(SS)/phy	N. K.
61.	G. Karthikeyan	AP/EIE	G. K.
62.	M. Saravakumar	AP/EEE	M. S.
63.	R. Muthukumar	AP/EEE	R. M.
64.	T. MUTHUKUMAR	AP/Maths	T. M.
65.	M. ARUN	AP/AIDS	M. A.
66.	Shafeek. A	AP/ECE	S. A.
67.	Mahalingam. P.P.	AP/Mech	M. P.
68.	R. Bhasathiegn	AP/Mech	R. B.
69.	student: K. Navinaa	AIML	K. N.
70.	student: N. Dhanaa Lakshmi	AIML	N. D.
71.	student: R. Kaushika	AIML	R. K.
72.	STUDENT: G. PRANESH	AIML	G. P.
73.	STUDENT: VASANTH	AIML	V. S.
74.	P. Mythuradevi	AP/Maths	P. M.

75.	Aartwin	AP/EEE	Aartwin
76.	SUGANYA.DAVI. @	AP/EEE	D. J
77.	A.SUGANYA	AP/EEE	Shrey
78.	Nandhini.T	AP/EEE	Nandhini
79.	D. Nivetha	AP/S&H	D. Nivetha
80.	T. SUMATHI	AP/IT	T. Sumathi
81.	R. Nishanthi	AP/S&H	R. Nishanthi
82.	SREEJITH.S. NAIR	AP(SS)/Mech	Sreejith
83.	K.Soundararajan	AP/Mech	K. Soundararajan
84.	Sudhishma KS	AP/IT	Sudhishma
85.	K.R. Gokul Anand	AP/ECE	K. R. Gokul Anand
86.	P.A. Periasamy	Assoc Prof/Chemistry	P.A. Periasamy
87.	N. Natarajan	Assoc prof/civil	N. Natarajan 13/5/23
88.	K. Prabha	AP/Mech	K. Prabha
89.	R. Rathika	AP (CYS)	R. Rathika
90.	C. Jeevanantham	AP(IT)	C. Jeevanantham
91.			
92.			
93.			
94.			
95.			
96.			
97.			
98.			
99.			
100.			

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

Office of Dean Research and Innovation

Proposal Writing for Grants– Knowledge Sharing Sessions”- Score

Resource Person: Dr. S. Parveen

Date: 13.05.2023

S.No	Name of the Faculty	Score out of 10
1	P BOOPATHI RAJAN, AP(SS)/CSE	10
2	R.ANUJA, AP/CIVIL	10
3	MS.S.THILAGAVATHI, AP/ECE	10
4	SATHIYAPRIYA T, AP/ECE	10
5	SHANMUGAVENI V, AP/CYS	10
6	R.VIDHYA, AP/S&H	10
7	C JAYASHREE,AP(SS)/CSE	9
8	A.SUGANYA, AP/CSE	9
9	M.BHAGAVATHI PRIYA L, AP/AIML	9
10	S.YAMUNADEVI, AP/AIML	9
11	V.ARUNADEVI, AP(SS)/S&H	9
12	PRABHU K, AP/ CSE	8
13	DEVIPRIYA C, AP/CSE	8
14	SUGANYA B, AP/CSE	8
15	JANANI D, AP(SS)/IT	8
16	K.RENUKA DEVI, AP/IT	8
17	J. NAGARAJAN, AP/EEE	8
18	NIVETHA D, AP/S&H	8
19	P.VANJIPRIYA, AP/ECE	8
20	KARPAGAM V, AP(SS)/EIE	8
21	SUGANYADEVI D, AP/EEE	8
22	SHARMILA S, AP/CIVIL	8
23	R. BHUVANESWARI, AP/S&H	8
24	SUDHISHNA K S, AP/IT	8
25	R.GANESH, AP/MECHATRONICS	8
26	DHIVYA R, AP/CSE	7
27	MR.M.NITHYAKUMAR, AP/ECE	7
28	GAYATHRI G, AP/CSE	7
29	BHARATHI R, AP/CSE	7
30	S.SOUNDARIYA,AP(SS)/IT	7
31	PRIYA VARSHINI A G, AP(SS)/IT	7
32	ARUN M, AP/MECH	7
33	THEEPIKA.K.C, AP/MCA	7
34	T.SUMATHI, AP/IT	7
35	SUGANYA A, AP/EEE	7
36	NANDHINI T, AP/EEE	7
37	G.KARTHIKEYAN, AP/EIE	7
38	P.SELVANAYAKI , AP/IT	7
39	SARAVANAKUMAR M, AP/EEE	7
40	MUTHUBHARATHI R, AP(SS)/EEE	7
41	AARTHI N, AP/EEE	7
42	PRABU K, AP/MECH	7
43	MAHALINGAM.P.P, AP/MECH	7

44	K SOUNDARARAJAN, AP/MECH	7
45	P.A.PERIASAMY, ASP/S&H	7
46	K. ANANTHI, AP/AIDS	6
47	SREEJITH S NAIR, AP(SS),MECH	6
48	SARAVANAN S, AP/ECE	6
49	G.DEEPA, AP/CSE	6
50	RAJALAKSHMI K, AP(SS)/S&H	6
51	N. PUNITHA, AP/S&H	6
52	N.NITHIYAMEENATCHI, AP/ECE	6
53	SARANYA G, AP/IT	6
54	N SUGIRTHAM, AP/ECE	6
55	ARTHUR VASANTH J , AP/EEE	6
56	SHAFEEK A, AP/ECE	6
57	M. KAVITHA, AP/AIML	6
58	SUTHAVIJI S, AP/CIVIL	6
59	A. JAYALAKSHMI, AP/CSE	6
60	K.RADHA, AP/CSE	6
61	R.BINISHA, AP/CSE	6
62	ARUN M, AP(SS)/AIDS	6
63	GURUNATHAN V, AP/ECE	5
64	ABIRAMASUNDARI S, AP/ECE	5
65	N.CHITHRA, AP/S&H	5
66	R.NISHANTHI, AP/S&H	5
67	BHARATHIRAJA R, AP/MECH	5
68	GIDEON GANESH M, AP(SS)/MECH	5
69	GNANAKUMAR S, AP/MECH	5
70	MYTHURADEVI P, AP/S&H	5
71	RINI ANGELINE VINSHIA J, AP/CYS	5
72	GOWRI D, AP/CYS	5
73	RATHIKA R, AP/CYS	5
74	JEEVANANTHAM C, AP/IT	5
75	KANAGASABAPATHI K, AP/IT	5
76	GANESHAN, AP/EEE	4
77	DR. N. NATARAJAN , AP/CIVIL	4
78	M. VIGNESH, AP/ECE	4
79	MUTHUKUMAR T, AP/S&H	4
80	M.GIRIDHARADHAYALAN, AP(SS)/MECHATRONICS	4
81	VENKATESH A, AP/EEE	3
82	GOWTHAM.T, AP/EIE	3