



DAYANANDA SAGAR ACADEMY OF TECHNOLOGY & MANAGEMENT

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)
Udayapura, Opp, Art of living, Kanakapura main road, Bangalore-560082
CE, CSE, ECE, EEE, ISE, ME Courses Accredited by NBA, New Delhi, NAAC A+.

Department of Computer Science and Engineering Under Research Cell

**In Association with CSI
Organizing**



One Day Seminar

On

Research Methodology & Its Pathways

Date: 04-02-2022

Time: 11.30 am to 12.30 pm

Venue: Seminar Hall 'A' block 4th floor

RESOURCE PERSON:

Dr. S. G. Sreekanteswara Swamy

Executive Secretary

**Karnataka State Council for Science and Technology
Indian Institute of Science, Bengaluru**

IN THE PRESENCE OF

Dr. M RAVISHANKAR

Principal, DSATM

**Dr. Sumithra Devi KA
Dean Academics & HOD-ISE, DSATM**

**Convener
Dr. C. Nandini
Vice Principal, Prof. & HOD-CSE, DSATM**

Co-ordinators:

Dr. Murali G, Assoc. Prof., CSE, DSATM

Jahnvi S, Asst. Prof., CSE, DSATM

Note: Mandatory for all Ph.D holders to attend

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Udayapura, Opp, Art of living, Kanakapura main road, Bangalore-560 082



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

(All Engineering Branches Accredited for 3 years by NBA)

Date: 04.02.2022

One day Seminar Program on "Research Methodology & Its Pathways"

SL.NO	Department	Name	Designation	Signature
1	CSE	Manasa Sundeep	Asst Prof	[Signature]
2	CSE	Shilpa M	Asst Prof	[Signature]
3	ISE	Dr. N. K. K. K.	Professor	[Signature]
4	ISE	Dr. Sunita KA	Dean	[Signature]
5	ECE	Dr. Manjunath Prasad	HOD-EC	[Signature]
6	PHY	Dr. G. S. K. K.	Asst Prof	[Signature]
7	MECH	Dr. Ravi Kumar B. S.	Asst Prof	[Signature]
8	MECH	Dr. Ashok M. S.	Asst Prof	[Signature]
9	MECH	Dr. Mallikarjun B.	Asst Prof	[Signature]
10	CSE	Dr. V. Siva Kumar	Asso. Prof	[Signature]
11	CV	Dr. M. K. Harikrishnan	Asso. Prof	[Signature]
12	Civil	Dr. Shubha Lakshmi B. S.	Asst. Prof	[Signature]
13	Civil	Dr. Deepak G. B.	Asst. Prof	[Signature]
14	CIVIL	Dr. K. N. Vishwanath	Prof. & Head	[Signature]
15	CSE	Dr. R. Saravana Kumar	Asso. prof	[Signature]
16	GGG	Dr. P. Kasi Viswanathan	Asst Prof	[Signature]
17	BLE	Dr. Siddalingappa	Assoc. prof	[Signature]
18	ECE	Dr. Rupa Kulkarni	Asso Prof	[Signature]
19	ECE	Dr. Sumya M. M.	Asso Prof	[Signature]
20	Civil	Dr. Sahana R.	Asst. Prof	[Signature]
21	ISE	Dr. Rishu Anand	Asso. Prof	[Signature]
22	MCA	Dr. Manjula Jay	Prof & HOD	[Signature]
23	ISE	Dr. Poorna Nayak S.	Asst. Prof	[Signature]
24	ISE	Dr. Anusha P. K.	Asst. Prof	[Signature]
25	Phy	Dr. Srikanta Y.	Associate prof	[Signature]
26	MBA	Dr. Divya U.	Asst. Prof	[Signature]
27	CSE	Dr. K. K. K.	Prof	[Signature]
28	CSE	Dr. V. Keethika	As. prof	[Signature]
29	ISE	Dr. G. Mangula	Associate prof	[Signature]
30	MCA	Dr. K. K. K.	Asso. Prof	[Signature]
31	CSE	Dr. C. Nandini	Vice Principal	[Signature]
32	CSE	Jahnavi S.	Asst. Prof	[Signature]
33	CSE	Dr. Murali	Asst. Prof	[Signature]
34	CSE	Dr. Prashant	Prof	[Signature]
35	Maths	Dr. Vatsala	Associate	[Signature]



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Opp. Art of Living, Udayapura, Kanakapura Road, Bangalore- 560082

Department of Computer Science and Engineering



Event Name	Seminar Program on "Research Methodology & its Pathways"
Theme	Seminar
Date	4-2-2022
Venue	4 th floor, Seminar Hall, A block. DSATM

Objectives of the Program/ Event: The objective of the program is to educate the faculty on the research methodology.



"Plant more Trees, Save Water, Save Electricity, Avoid Plastics, The world is in your Hands"

Dr. S. G. Sreekantewara Swamy

Executive Secretary

Karnataka State Council for Science and Technology

Indian Institute of Science, Bengaluru – 560012

Email: swamy@kscst.iisc.ernet.in swamysgs@gmail.com

Mob: 09448515976



- Dr. S. G. S. Swamy, has done Masters Degree in Geology and obtained PhD in 'Geo environmental Study of Mining Engineering and Environment in Western Ghats Regions of Karnataka', from Bangalore University.
- He served as a lecturer in Government Science College, Bangalore. He worked as a Project Scientist, in Karnataka Rajya Vijana Parishath, Bangalore, and as Executive Secretary and Director, Belgaum Science Centre, Belgaum.
- He took professional training from Indian Institute of Science, Bangalore, Space Application Centre, Ahmadabad and Institute for Social Economic Change, Bangalore and other organizations.
- He joined, Karnataka State Council for Science and Technology (KSCST), Bangalore as Fellow and presently serving as the Executive Secretary of KSCST.
- He has written, edited, translated and Authored books
 - Halley's Comet
 - Renewable Energy Sources
 - Water Resources of Tumkur District,
 - *Grameena Jeevana Thantragnanagala Baleke* (on Rural Technologies)
 - *Kasavendare Kasu* (on Solid Waste Management)
 - Student Project Programme Technical Record
 - Vidhyarthi Vijnaniya Dinachari (Translated)
- He is a joint Author for the following reports and submitted to KSPCB, Government of Karnataka
 - Status Report on Municipal Solid Waste Management
 - Status Report on Biomedical Waste
 - Status Report on Plastic Recycling in Karnataka
- He has written more than 50 articles in Kannada on Science and Technology for various journals and magazines. Delivered more than 50 talks on various topics in Science and Technology in radio, television and at various institutions.
- At present, he is involved in research and development projects and programmes of the Council in areas of Education, IPR issues, Waste Management and Water Quality Assessment sanctioned by Department of Science and Technology, Government of India and Department of Science and Technology, Government of Karnataka.
- He has published 8 Research Papers in technical journals of national repute.
- He is the Principal Investigator for the establishment of "Virtual Laboratory" concept in Government High Schools of backward Talukas in Karnataka



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Seminar Feedback Form

Seminar title: Research Methodology & its Pathways

Date: 4/2/2022 Instructor: Dr S G Sreekantewara Swamy

- | | Strongly agree | 2 | 3 | 4 | Strongly disagree |
|---|----------------|----------|---|---|-------------------|
| 1. The content was as described in publicity materials | <u>1</u> | | | | |
| 2. The seminar was applicable to my job | 1 | <u>2</u> | 3 | 4 | 5 |
| 3. I will recommend this seminar to other conservators | <u>1</u> | 2 | 3 | 4 | 5 |
| 4. The program was well paced within the allotted time | <u>1</u> | 2 | 3 | 4 | 5 |
| 5. The instructor was a good communicator | <u>1</u> | 2 | 3 | 4 | 5 |
| 6. The material was presented in an organized manner | <u>1</u> | 2 | 3 | 4 | 5 |
| 7. The instructor was knowledgeable on the topic | <u>1</u> | 2 | 3 | 4 | 5 |
| 8. I would be interested in attending a follow-up, more advanced seminar on this same subject | <u>1</u> | 2 | 3 | 4 | 5 |

9. Given the topic, was this seminar: ☐ a. Too short ☒ b. Right length ☐ c. Too long

10. In your opinion, was this seminar: ☐ a. Introductory ☒ b. Intermediate ☐ c. Advanced

11. Please rate the following:

- | | Excellent | Very Good | Good | Fair | Poor |
|------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|
| a. Visuals | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Acoustics | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Meeting space | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Handouts | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e. The program overall | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

12. What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement?

Sh



Dayananda Sagar Academy of Technology And Management

Udayapura , Opp. Art Of Living, Kanakapura Road,
Bengaluru 560082

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Department of Management Studies

ORGANIZES

A Workshop ON

Probability and Hypothesis Testing

BY

Mr. V K Srirama

ON

DATE : 30.05.2022

TIME : 11.30 AM

VENUE : "M" Block 3RD Floor

In

**Gracious Presence of
Dr. M Ravishankar
Principal, DSATM**

Dr. PRAVEEN KUMAR SINHA

ASSOCIATE PROFESSOR

MBA , DSATM

Dr. ANJANA DEVI S C

PROF & HOD

MBA , DSATM

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Department of Management Studies

Event Name	Workshop on Statistics (Research Methodology)
Theme	Hands on Problem-solving workshop on Probability and Hypothesis Testing
Date	30/05/2022
Venue	M Block, 3 rd Floor
Participants	MBA 1 st Sem students

Objectives of the Program/ Event

- Introducing Variables, Data collection, Research Analysis and significance of Probability in research.
- Solving elementary problems in hypothesis testing.



Details about the event:

- Mr. Sri Ram started the session with the basics of statistics. Sir explained the meaning of main concepts like Research, Variable, Hypothesis and also Parametric and Non-parametric factors.

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Department of Management Studies

- Once the concepts were clearly explained, a few problems based on these was discussed.
- He taught Probability and covered its sub concepts like Poisson distribution, Binomial distribution and Normal distribution. The formulae were discussed with the students.
- Under Hypothesis the concepts like T test, Z test, U test, Chi-square test was explained. Theory of Bi-variate, multi- variate analysis, ANOVA and its One way & Two-way classification was explained in depth.

Measurable outcomes, w.r.t. realisation of Vision:

- Clear understanding of various test of hypothesis.
- Importance of these in conducting various research analysis and their interpretations.

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Principal Signature



WORKSHOP ON STATISTICS (Probability & Hypothesis Testing)

Attendance Sheet

Date: 30.05.2022

S. No.	USN	Name
1. 1	1DT21BA001	Akshay M
2.	1DT21BA002	Akshay Vishnu Kolambakar
3.	1DT21BA003	Amrutha B G
4.	1DT21BA004	Anusha M J
5.	1DT21BA005	Basavaraj
6.	1DT21BA006	Bhavya R
7.	1DT21BA007	Channabasavaraj Hallad
8.	1DT21BA008	D J Vishal
9.	1DT21BA009	Darshitha N
10.	1DT21BA010	Deepak B Laxmeshwar
11.	1DT21BA011	Deepak Raj T G
12.	1DT21BA013	Dhananjaya M K
13.	1DT21BA015	Gagana C S
14.	1DT21BA016	Gokulraj V
15.	1DT21BA017	Gururaghavendra R
16.	1DT21BA018	Hemanth B N
17.	1DT21BA019	Hitheshgowda B H
18.	1DT21BA020	Kavya M
19.	1DT21BA021	Krupa H R
20.	1DT21BA022	Madhan V
21.	1DT21BA023	Madhusoodhana Devaru Bhat
22.	1DT21BA024	Mamatha M H
23.	1DT21BA025	Meghana P
24.	1DT21BA026	Mohammad Ismail LB
25.	1DT21BA027	Monisha K Y
26.	1DT21BA028	Niveditha U
27.	1DT21BA029	Pavithra A
28.	1DT21BA030	Prajwal J S
29.	1DT21BA031	Prajwal V G
30.	1DT21BA032	Praveen Kumara
31.	1DT21BA033	R M Roy Sheran
32.	1DT21BA034	Rajitha Teja Dev
33.	1DT21BA035	Raksha Gowtham C V
34.	1DT21BA036	Rakshith M
35.	1DT21BA037	Ramanagoud Dhannur
36.	1DT21BA038	Ranjitha J B
37.	1DT21BA039	S Venkat Sai
38.	1DT21BA040	Santhosh P Devaraj
39.	1DT21BA041	Sarvesh Padanad
40.	1DT21BA042	Shalini K
41.	1DT21BA043	Sharad Kumar Patil
42.	1DT21BA044	Sharanya R



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Event Name	Workshop on Market Research Trend
Theme	One day Workshop
Date	15.07.2022
Venue	M-Block, III Floor, Room No. 302

Objectives of the Program/ Event

- To provide an insight on recent market trends in Business Environment.
- To learn and implement the recent innovation in Business market.



Details about the event

Department of Management Studies has conducted a 'Workshop On Recent Market Trend'. Mr **Prasanth Palakkadiyil**, Founder and Chief Strengths Facilitator is a multifaceted visionary having 27 years of multi-sectoral national and international exposures. He was former Director for Office of International Affairs , Alliance University, Bangalore. Mr

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Prasanth started the session with positive nation and discussed the significance and challenges faced by business entity to start a business. He has given the students with a task of developing prototype model to start a business entity. His session focused even on the significance of Innovation. Students of MBA first year (Batch 2021-23) actively participated in the discussion and the session ended with brief question and answer session.

Measurable outcomes, w.r.t. realisation of Vision

- Students were able to understand the challenges in developing innovation and problems faced in start-ups.

Principal's Signature





EMPSIS-National Strengths Design

Defining moments are the decisions and choices we make today which will determine the course of entire generations' lives and livelihoods.

What matters is Your **Clarity...**

Purpose
Passion
Productivity

What matters is Your **Right Choice...**

Strengths
Sectors
Skills



What matters is Your **Cherishment...**

Education
Employment
Entrepreneurship

Presented By

Prasanth Palakkadiyil

Founder and Chief Strength Facilitator

+91 99728 03932

empsissolutionsglobal@gmail.com

FOR HAPPY LIVING

EMPSIS

Facilitating
Strengths and
Sector-Based
Education,
Employment and
Entrepreneurship for
Sustainability and
Scalability for
Socio-Economic
Transformation in
Building Nations

Is in the making of
**Strengths and Sector-Based
1 Million Entrepreneurs**

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A Brief about EMPSIS



EMPSIS Academy for Strengths Building and Research of EMPSIS Solutions Global, Bangalore, since 2011 has been working on **Strength Designs** with Individuals and Institutions in addressing Environment, Mind, Physical, Spiritual, Intellectual and Social needs and has initiated 1st of it's kind in the world Strengths Revolution for the making of 1 Million Entrepreneur's on Strengths & Sectoral Basis.



We are pioneering the concept of **Strength-Based Education, Employment and Entrepreneurship** for **Socio-Economic Transformation(SET)** to Manage Uncertainties and Challenge of the future proactively and **Research** to create new possible future with aspirants in the New Normal.



Strengths Appreciation Process (SAP), Aspirant Centric Transformation on Strengths (ACTS) are important factors in facilitating larger vision aligned with NEP 2020, IR and SDG by **National Strengths Design (NSD)** in bringing Micro to Macro changes in **building nations**.

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Prasanth Palakkadiyil Founder and Chief Strengths Facilitator is a multifaceted visionary having 27 years of multi-sectoral national and international exposures.

He was former Director for Office of International Affairs , Alliance University, Bangalore.



He has initiated **Strengths Revolution** and as an Edupreneur he strongly advocates Aspirant Centric Transformation and is facilitating **EMPSIS National Strengths Design in the making of 1 Million Entrepreneurs on the basis of Individual Strengths and their aligned Sectors.**



The enthralling Strengths-Based Research on Individuals and Institutions for Education, Employment and Entrepreneurship for Strengths, Sector, Skill, Sustainability and Scalability is to structure in strengthening **Socio-Economic Transformation in Rebuilding Bharat for Building Nations; a Strong Nation for Happy Living.**

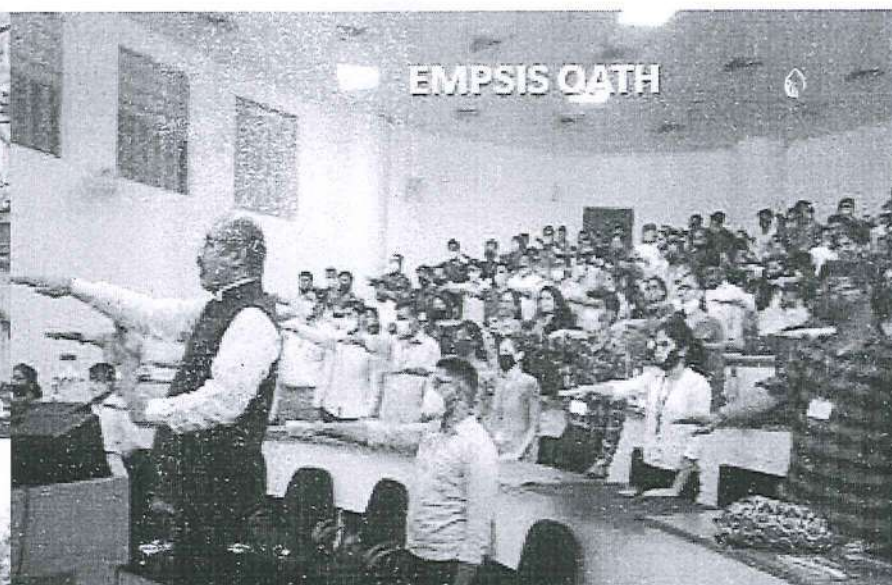
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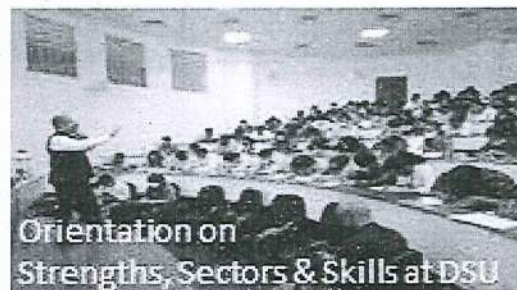
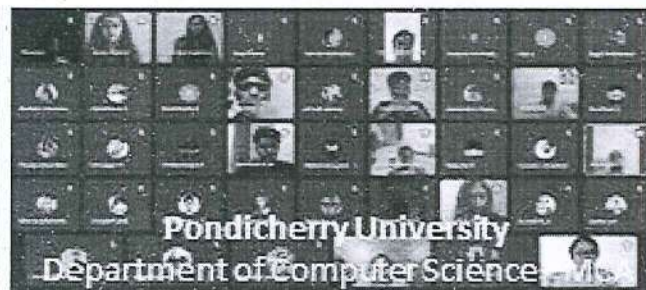
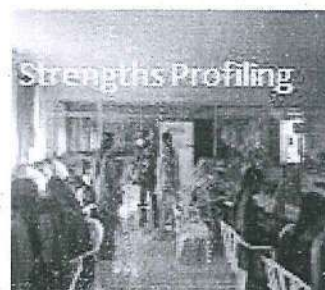
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**National Strengths Design – Inaugural Function
at Vivekandha Group, TamilNadu – October 22, 2021**



**Dhayanandha Sagar
Group of Institutions**





WORKSHOP ON MARKET RESEARCH TRENDS

Attendance Sheet

Date: 17.08.2022

S. No.	USN	Name	Signature
1. 1	1DT21BA001	Akshay M	Akshay M
2.	1DT21BA002	Akshay Vishnu Kolambakar	Akshay
3.	1DT21BA003	Amrutha B G	Amrutha B G
4.	1DT21BA004	Anusha M J	Anusha M J
5.	1DT21BA005	Basavaraj	Basavaraj
6.	1DT21BA006	Bhavya R	Bhavya R
7.	1DT21BA007	Channabasavaraj Hallad	C.B. Hallad
8.	1DT21BA008	D J Vishal	Vishal
9.	1DT21BA009	Darshitha N	Darshitha
10.	1DT21BA010	Deepak B Laxmeshwar	Deepak B
11.	1DT21BA011	Deepak Raj T G	Deepak Raj T G
12.	1DT21BA013	Dhananjaya M K	Dhananjaya M K
13.	1DT21BA015	Gagana C S	Gagana C S
14.	1DT21BA016	Gokulraj V	Gokulraj V
15.	1DT21BA017	Gururaghavendra R	Gururaghavendra R
16.	1DT21BA018	Hemanth B N	Hemanth B N
17.	1DT21BA019	Hitheshgowda B H	Hitheshgowda B H
18.	1DT21BA020	Kavya M	Kavya M
19.	1DT21BA021	Krupa H R	Krupa H R
20.	1DT21BA022	Madhan V	Madhan V
21.	1DT21BA023	Madhusoodhana Devaru Bhat	Madhusoodhana Devaru Bhat
22.	1DT21BA024	Mamatha M H	Mamatha M H
23.	1DT21BA025	Meghana P	Meghana P
24.	1DT21BA026	Mohammad Ismail LB	Mohammad Ismail LB
25.	1DT21BA027	Monisha K Y	Monisha K Y
26.	1DT21BA028	Niveditha U	Niveditha U
27.	1DT21BA029	Pavithra A	Pavithra A
28.	1DT21BA030	Prajwal J S	Prajwal J S
29.	1DT21BA031	Prajwal V G	Prajwal V G
30.	1DT21BA032	Praveen Kumara	Praveen Kumara
31.	1DT21BA033	R M Roy Sheran	R M Roy Sheran
32.	1DT21BA034	Rajitha Teja Dev	Rajitha Teja Dev
33.	1DT21BA035	Raksha Gowtham C V	Raksha Gowtham C V
34.	1DT21BA036	Rakshith M	Rakshith M
35.	1DT21BA037	Ramanagoud Dhannur	Ramanagoud Dhannur
36.	1DT21BA038	Ranjitha J B	Ranjitha J B
37.	1DT21BA039	S Venkat Sai	S Venkat Sai
38.	1DT21BA040	Santhosh P Devaraj	Santhosh P Devaraj
39.	1DT21BA041	Sarvesh Padanad	Sarvesh Padanad
40.	1DT21BA042	Shalini K	Shalini K
41.	1DT21BA043	Sharad Kumar Patil	Sharad Kumar Patil
42.	1DT21BA044	Sharanya R	Sharanya R



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RESEARCH CELL

CIRCULAR

Date: 19/9/2022

To all the Committee Members

The Research Cell Meeting will be held on 20/9/2022 at 11.00 am in Dean Academics cabin. The agenda of the meeting is to discuss about the Lecture Series related Research, Funded Projects and IPR

Committee Members

S No	Faculty Name	Departments	As
1	Dr.M Ravishankar, Principal	ISE	Chairman
1	Dr. Sumitra Devi KA, Dean	ISE	Convener
2	Dr. Vatsala G A	Mathematics	Member
3	Dr.M N Gururaja	Mech	Member
4	Dr. Shubha Laxmi	Civil	Member
5	Dr. Madhumala R B	ISE	Member
6	Dr. Nagaraj M Lutimath	CSE	Member
7	Dr.Mallikarjun P Y	ECE	Member
8	Dr. Kasi Vishwanath	EEE	Member
8	Dr. Girish M	Physics	Member


Dr. Sumitra Devi K A
Convener


Dr. M Ravishankar
Chairman



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RESEARCH CELL

MINUTES OF MEETING

Date: 20/9/2022

- 1) The Meeting started at 11.20 am at Dean Madam Cabin.
- 2) The main agenda was to discuss about the conduction of Lecture Series related Research, Funded Projects and IPR during October 2022 to February 2023.
- 3) It was decided to include Dr. Mallikarjun , Dept of EC, Dr. Nagaraj M Lutimath, Dept of CSE and Dr. Girish M, Dept of Physics, are included in the Research Cell.
- 4) The dates are fixed for all the department to organize the event as given below.

S.No	Departments	Dates
1	ISE	8/10/2022
2	CSE	22/10/2022
3	EEE	12/11/2022
4	ECE	26/11/2022
5	Civil	28/1/2023
6	Mech	11/2/2023
7	Basic Science	25/2/2023

- 5) The meeting ended at 11.50AM

Committee Members

S No	Faculty Name	Departments	Signature
1	Dr.M Ravishankar, Principal	ISE	
2	Dr. Sumitra Devi KA, Dean	ISE	
3	Dr. Vatsala G A	Mathematics	
4	Dr.M N Gururaja	Mech	
5	Dr. Shubha Laxmi	Civil	
6	Dr. Madhumala R B	ISE	
7	Dr. Nagaraj M Lutimath	CSE	
8	Dr.Mallikarjun P Y	ECE	
9	Dr. Kasi Vishwanath	EEE	
10	Dr. Girish M	Physics	



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RESEARCH CELL



TECHNICAL SESSION

ON

"How to Write Research Proposal"

8th October 2022

By

Dr. U Chandrasekhar

**Chairman, AISC-Aeronautical
Society of India**

&

**Director, Wipro Technologies,
Bengaluru**

Presided By

Dr.M.Ravishankar

Principal, DSATM

Dr.Sumithra Devi K A

**Dean Academics,
HOD, Dept. of ISE**

Conveners:

Dr. Madhumala RB, Dept. of ISE
Dr. Vatsala G A, Dept. of Mathematics
Dr. Gururaj Rao, Dept. of Mech.
Dr. Shubha Laxmi, Dept. of Civil
Dr. Nagaraj M Lutimath, Dept. of CSE
Dr. Mallikarjun, Dept. of ECE
Dr. Kasi Vishwanath, Dept. of EEE
Dr. Girish M, Dept. of Physics

HOD'S and Staff

Date: 08-10-2022| Time: 11.30 AM

Venue: DSATM Auditorium



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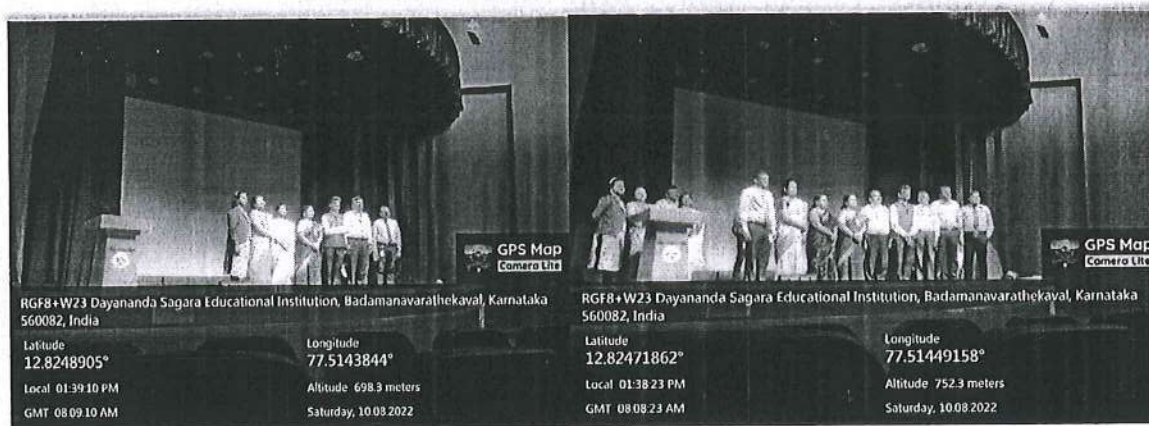
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DEPARTMENT OF INFORMATION SCIENCE



Resource person/ Participants:

Chief Guest: Dr.U Chandrasekhar, Chairman AISC and Program Director, Wipro Ltd, Bengaluru.

Co-ordinator : Dr.Madhumala RB

HoD and Faculty Members of ISE were attended the program.

Vision:

To enhance the research knowledge while submitting the research proposals.

Measurable outcomes:

The faculty will be able to enhance their knowledge in their respective research domains. It's always hard to figure out how long a research will take and how much everything will cost. Writing about the expected results of research study in a good idea as it can help to establish the significance of study. On the basis of the problems it is possible to identified the proposed methodology and can describe what results can be expected from the research.

Faculty

Dr.Madhumala RB

HoD/ISE

Dr.Sumithra Devi K A



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RESEARCH CELL



TECHNICAL SESSION

ON

**“Overview of Intellectual Property Rights (IPR) and Patent
Filing Procedures”**

22nd October 2022

By

Sri. Satish Kumar

Assistant Director, MSME,
MHRD-Delhi, Govt. of INDIA

Presided By

Dr. M. Ravishankar

Principal, DSATM

Dr. Sumithra Devi K A

Dean Academics,
HOD, Dept. of ISE

Conveners:

Dr. Madhumala RB, Dept. of ISE

Dr. Vatsala G A, Dept. of Mathematics

Dr. Gururaj Rao, Dept. of Mech.

Dr. Shubha Laxmi, Dept. of Civil

Dr. Nagaraj M Lutimath, Dept. of CSE

Dr. Mallikarjun, Dept. of ECE

Dr. Kasi Vishwanath, Dept. of EEE

Dr. Girish M, Dept. of Physics

HOD'S and Staff

Date: 22-10-2022 | Time: 10.30 AM

Venue: DSATM Auditorium



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RESEARCH CELL

Event Name	Session on "Overview of Intellectual Property Rights (IPR) and Patent Filing Procedures"
Date & Time	22.10.2022 & 10:30 am
Venue	Auditorium
Faculty	Dr. Madhumala RB,

Objective: To understand the need of Intellectual Property Rights (IPR)

Purpose: Every little or big idea you have, can prove invaluable if it is executed correctly. This simply means that your intellectual property can help you convert your ideas into products and services which are commercially successful. You can use your intellectual property to create a business on your own, pitch it to investors and start a business or even get it licensed, enabling you to sell it to various businesses in exchange for a steady stream of income.

About the Program:

Research Cell-Dayananda Sagar Academy of Technology and Management has organized the session on "Overview of Intellectual Property Rights (IPR) and Patent Filing Procedures" on 22th October 2022 from 10:30 am. Sri. Satish Kumar, Assistant Director, MSME, MHRD-Delhi, Govt. of INDIA identified speaker and proceeded with the session. The program was conducted in the presence of Dr. M. Ravishankar, Principal, DSATM and Dr. Sumithra Devi K A, Dean Academics & HOD ISE and DSATM HoD's and faculties and students.

Session Discussion:

Intellectual property rights (IPRs) are legal privileges granted to authors for the protection of their original works, to inventors for their contributions to inventions, to products for their aesthetics to help them stand out in the marketplace, and to scientific advancements, artistic creations, among other things.

Any novel concept or invention produced by an individual or a company is referred to as intellectual property. It is fundamentally a morally and commercially valuable invention. According to national intellectual property rules and the rights of the person who created the concept or product, such new, inventive, and life-changing inventions may be protected. To prevent an idea or product from being imitated or reproduced by another person or company, the inventor can get copyrights, patents, designs, trademarks, and trade secret protection under Intellectual Property Rights (IPR).

He discussed about the trade secrets, which offer protection against unfair competition, patent varieties, different works identifying rights, including protection for various forms of traditional creativity, indigenous people's innovation, such as traditional knowledge and cultural expressions, and genetic resources round out the list of things covered by intellectual property rights.



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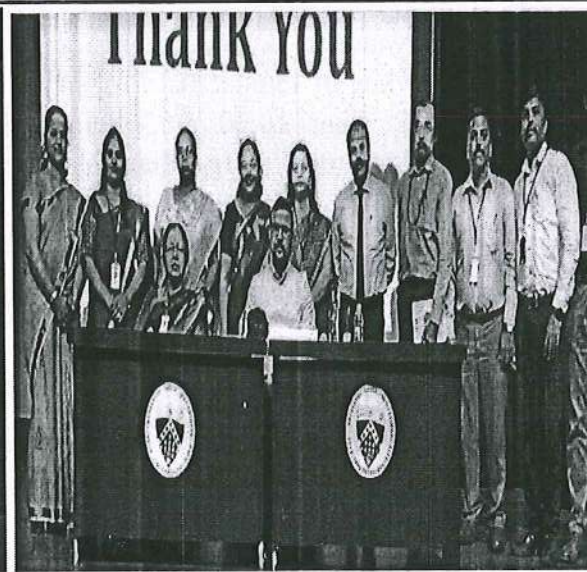
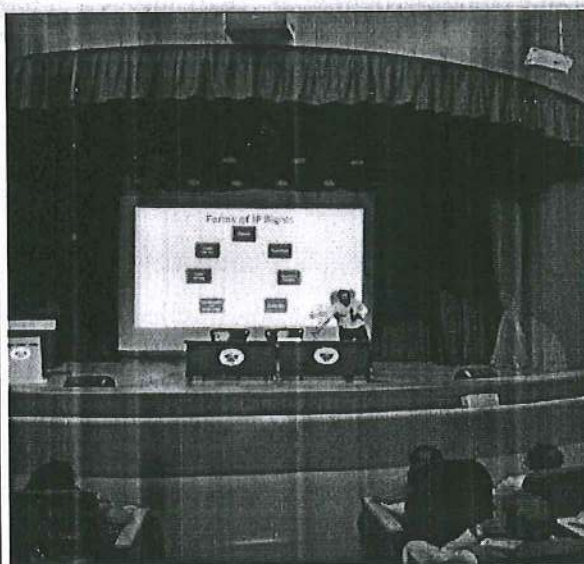
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RESEARCH CELL



Resource person/ Participants:

Chief Guest: Sri. Satish Kumar, Assistant Director, MSME, MHRD-Delhi, Govt. of INDIA

Co-ordinator: Dr. Madhumala RB, Associate Professor

HoD, Faculty Members and students of DSATM were attended the program.

Vision:

To create the awareness about **Intellectual Property Rights (IPR)**

Measurable outcomes:



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RESEARCH CELL

Intellectual property rights are the rights given to persons over the creations of their minds. This session stated aim to scope the measurement of the infringement of the main IP rights, including online and offline, criminal and civil, has proven the most challenging aspect of their work. It is evident that a standard for statistically reliable data must be established in order to support a legislative approach to copyright (and IP rights) enforcement that is evidence-based.

Faculty

Dr.Madhumala RB

Dean Academics

Dr.Sumithra Devi K A



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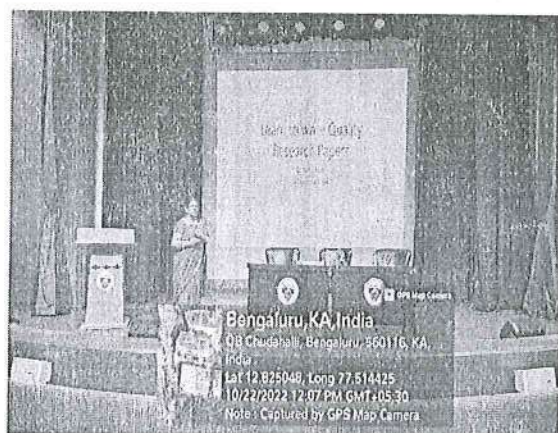
RESEARCH CELL

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Event Name	Technical Session on Writing Quality Research Papers
Theme	Technical Session
Date	22/10/2022
Platform	(Offline) Auditorium - Research Cell Activity

Objectives of the Program/ Event

To understand how to do a detailed literature survey and choose a research topic. To identify good research journals and conferences for publications.



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RESEARCH CELL

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Purpose: To motivate young researchers and students towards quality publications.

About the Topic: Writing Quality Research Papers.

Resource person/participants: Dr. Rathna G. N, Principal Research Scientist, Dept. of EEE, IISC, Bengaluru, Participants Count: 320

Vision: To inculcate research culture and carry out quality research in the institute.

Identification and addressing the GAP: PO4: Conduct Investigations of Complex Problems.
PO8: Ethics.

Measurable outcomes: P10: Communication- Improvement in quality of publications.
Improvement in quality of research.


HOD's Signature


Principal's Signature



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Attendance List for Writing Quality Research Papers, 22nd Oct 2022.

Sl. No	Employee Name	Designation	Department	Signature
1	Dr. G. S. Myla	course coord. Asst. professor	Mathematics	
2	Lakshmi M.R	Asst. Professor	CSE	
3	Divya. H.N.	Asst. Prof	CSE	
4	Dr. Priya Nandihal	Associate Prof	CSD	
5	Dr. Shilpa.p	Asst. prof	Mathematics	
6	Dr. K. A. VIDYA	Asst. Prof	Mathematics	
7	Dr. Bhanya Shivaraj	Asst. Prof.	Mathematics	
8	Dr. Rupa R. Kulkarni	Asso. Prof	ECE	
9	Kalpavati. C.Y.	Asst. Prof.	ECE	
10	Dr. Sumaiya m.	Asso. Prof	EEE	
11	Dr. Sahana.R	Asst prof	Civil Engg	
12	Rashmi P	Asst. Prof	EEE	
13	RAMYA S RAJAN	Asst. Prof	EEE	
14	Dr. P. Kasi Viswanatha	Asst Prof	ECE	
15	Nikshepa. T	Asst. Professor	ISE	
16	Surabhi K. R	Asst. Professor	ISE	
17	Sowmya S R	Asst. Professor	ISE	
18	Supriya. R. K	Asst prof	ISE	
19	Dr. Pooja Nayak. S	Asst. Prof	ISE	
20	Shwethasree. R	Asst. Prof	ISE	
21	Spandana S G	Asst. Prof	ISE	
22	Dr. Rama Abirami	Assoc. Prof	ISE	
23	Kavyashree G.M	Asst. prof	ISE	
24	Harshitha B.K	Asst Prof	ISE	
25	Asharani. B.M	Asst prof	Physics	
26	Dr. N. Revathi	Asst. Prof.	PHYSICS	



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Sl. No	Employee Name	Designation	Department	Signature
27.	Deepak Kumar BN	Asst. Professor	Mechanical Engg.	
28.	Vijayakrishna C	Asst. Professor	Mechanical Engg	
29	Ramakrishna	Asst. Professor	Mech. Engg	
30	Suman Reddy	Asst. prof	CSE	
31	Dr. Divya C	Asst. prof	MBA	
32	Chaitra Y.R	Asst. Prof	CSE	
33	Shreyas B.V.	Asst. Professor	Civil	
34	P. Girish	Asst. Prof	civil	
35	Dr. Deepak. G.B.	Asst. Prof	CIVIL	
36	S.K. Shivalinge Gowd	Professor	ARCH	
37	Apoorva Busad	Asst. Prof	CSE	
38	Chaitra P C	Asst. Professor	CSE	
39	Shilpa. M	Asst. Prof.	CSE	
40	MONICA SHARMA	Asst. Prof.	B. ARCH	
41	Vidya	Asst. Prof	B. ARCH	
42	Alkathanas	Asst. Prof	B. Arch	
43	Apoorva	Asst. Prof	B. Arch	
44	Srinivas	Asst. Prof	B. Arch	
45	Savita Mastiboli	Asst. Prof	B. Arch	
46	POOJA. B.I	Asst. PROF	B. ARCH	
47	Tejashree V	Asst. Prof	ISE	
48	Ashwini. R	Asst. Prof	ISE	
49	Mamata George	Professor	B. Arch.	
50	Suchitra. S	Asst. prof	MCA	
51	Ushasree R.	Asst. prof	MCA	
52	Dr. Nagaraj. C	Prof. & Head	Mathematics	



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Sl. No	Employee Name	Designation	Department	Signature
53	Dr. Mandar Jattkar	Asst. Prof	ECE	
54	Vasudha G	Asst. Prof	ECE	
55	Dr. Ravi Kumar B.N	Asst. Prof.	Mechanical Engg	22/10/22
56	Shivaprakash KS	Asst. Prof	Mech	22/10/22
57	Dr. Vijayar. G	Asst. Prof.	Mechanical	22/10/22
58	Mr. Santosh. D.M.	— " —	— " —	
59	Dr. Veeresh Maethy	Asst. Professor	Mechanical Engg	22/10/22
60	Dr. Ashok Kumar M.S.	Asst. Professor	— " —	
61	Dr. M. H. Gulerkar A	Associate Prof	ME	
62	Bagavathi Patil	Asst. Prof	CSE	
63	Vinay D. L.	Asst. Prof.	ME	
64	Dr. Rajanish. M.	Asso. Prof	ME	
65	Rachana D	Asst. Prof	MBA	
66	Dr. Prasen K. Linke	Associate Prof	MBA	
67	Sridhara S	Asst Prof	CV	
68	Dr. Mallikarjun B	Asso. Prof	MECH	
69	Dr. MALLIKARJUN	professor	ECE	
70	Dr. Nagaraj M. L	Associate Prof	CSE	
71	Manasa Sandeep	Asst Prof	CSE	
72	K Deepa shree	Asst prof	CSE	
73	Keerthimohan	Asst prof	CSE	
74	Asha M-S	Asst Prof	CSE	
75	Tahani S	Asst Prof	CSE	
76	Shreemili Oli	Asst pro	CSE	

FeedBack for Wrting Quality Research Papers on 22nd Oct 2022

S.No	Email	Name	Designation	Department	Did the event meet your expectation?	Was the event useful?	How much content are you about the event?	How much interested would you be to attend our events in the future?	Did you have an opportunity to ask questions and involve in the event?	What are the research topics would you want to be interested to see in the future events?	Kindly share any additional comments, thoughts, suggestions for future events
1	mangalahs46@gmail.com	Mangala H S	Assistant professor	CSE	5	5	4	5	5	Big Data	No comment
2	hodcivildsatm@gmail.com	Dr.K N Vishwanath	Professor & Head	CIVIL ENGINEERING	4	4	4	4	4	Forensic in engineering	Nothing specific
3	K.p23020@gmail.com	Krishna Prasad	Assistant professor	Cse	4	4	4	4	4	Current technology	No comments
4	mallikarjunpy@gmail.com	DR.MALLIKARJUN P Y	PROFESSOR	ECE	4	4	3	4	4	Quality of research publications Q1,Q2,Q3	More informative..
5	madhusudhanahc@dsatm.edu.in	Dr. Madhusudhana H C	Asst. Professor	Physics	5	5	5	5	5	Nanoscience and nanotechnology	Materials characterization and applications techniques for nanomaterials
6	devan.vasug921@gmail.com	Vasudeva . G	Assistant Professor	Electronics and Communic	4	4	4	5	5	VLSI design	No further comments
7	asharani-phy@dsatm.edu.in	ASHA RANI B M	Assistant professor	Physics	5	5	5	5	5	Seminar regarding How to write quality	Same as above
8	chaitra-cs@dsatm.edu.in	Chaitra p c	Assistant professor	Cse	5	5	5	5	5	Data science	It was useful
9	revathin8@gmail.com	Revathi	Assistant Professor	Physics	4	4	5	4	4	More relevant with application oriented on	No
10	ramyasrajan-eee@dsatm.edu.in	Ramya S Rajan	Assistant professor	EEE	4	4	4	4	4	Research Methodology	Good initiative no suggestions

11	girishkmp hy@gmail. com	Girish K M	Assistant Professo r	Physics	4	4	4	4	4	Material science	These kind of progrqmms on only saturdays are not good enough
12	lavanyargo wda@gma il.com	LAVAN YA R	Assistant Professo r	Chemistry	4	4	4	4	4	Material Science	No comments
13	anand.a14 7@gmail.c om	Ananda A	Assistant professor	Chemistry	4	4	4	4	4	Material sceince	Good
14	gururajam n- me@dsatm .edu.in	Dr M.N GuruRaja	Associat e professor	Mechanical Engineerin g	5	5	5	5	4	New Technology	Nil
15	vinay- me@dsatm .edu.in	Vinay D L	Assistant Professo r	Mechanical Engineerin g	3	3	3	3	5	Additive Manufacturi ng	Nil
16	mallikarju n- me@dsatm .edu.in	Dr. Mallikarj un Biradar	Associat e Professo r	Mechanical Engineerin g	3	4	4	4	4	Emerging topics; IoT & Machine learning	Nil
17	rk.mayam a- me@dsatm .edu.in	RAMAK RISHNA IAH	Assistant Professo r	Mechanical Engineerin g	4	4	4	4	4	Very informative	Nil
18	vijayavard hana- me@dsatm .edu.in	Vijayavar dhana C	Assistant professor	Mechanical engineering	5	5	5	5	5	Research proposals	
19	ashok- me@dsatm .edu.in	Dr Ashok Kumar M S	Assistant Professo r	Mechanical Engineerin g	5	5	5	5	5	Looking forward activities like this	Good
20	madhumal a- ise@dsatm .edu.in	Dr.Madh umala RB	Associat e Professo r	ISE	5	5	5	5	5	Augmented Reality and Virtual Reality concepts	Very informative and we'll explained.
21	vijayag- me@dsatm .edu.in	Dr Vijaya G	Assistant Professo r	Mechanical Engineerin g	2	2	3	4	4		
22	kalpavicy- ece@dsat m.edu.in	Kalpavi C Y	Assistant Professo r	ECE	4	4	4	4	4	IPR, Research Funding, Propossl Writing approach.	Nothing.

23	chaitrapc4@gmail.com	Chaitra p c	Assistant professor	Cse	3	3	3	3	3	Technical talk	Nothing
24	manasa-cs@dsatm.edu.in	Manasa Sandeep	Asst. Prof.	Cse	3	3	3	3	3	Deep learning , Machine learning	NA
25	Drshashikala.hebbbar@dsatm.edu.in	Dr. Shashikala	Professor	CSE IN CIB	5	5	3	5	5	Yes	Nothing
26	KrishnaPrasad.cse@dsatm.edu.in	Krishna Prasad	Asst prof	Cse	3	3	3	3	3	Block chain	No comments
27	keerthimohan@satm.edu.in	Keerthi Mohan	Assistant Prof:	CSE	5	5	5	5	5	Research proposal writing	no
28	chaitrayr-cs@dsatm.edu.in	CHAITRA Y R	Assistant professor	CSE	5	5	5	4	4	AI	Good
29	gururajam n-@dsatm.edu.in	Dr M N Gururaja	Associate professor	Mechanical Engineering	3	3	3	4	3	Advance Technology	Good
30	dr.vatsalaga@gmail.com	Dr. Vatsal a G A	Associate Prof	Mathematics	4	5	5	5	5	How to identify the quality journals?	Nothing
31	Sujan.raghul123@gmail.com	RAGHA VENDRA M.R	Assistant Professor	Mathematics	3	4	4	4	4	Signals and systems	No
32	Sujan.raghul123@gmail.com	RAGHA VENDRA M.R	Assistant Professor	Mathematics	3	4	3	4	4	Lasers Application	No
33	vidya.mnj@gmail.com	Dr. K. A. Vidya	Assistant Professor	Mathematics	3	3	3	1	1	Research related	None
34	sumanth.sashiva@gmail.com	Shiva sumanth Reddy	Assistant professor	CSE	5	4	5	4	4	Iot, data science	Thank you, keep doing the same..
35	nagarajlutimath@gmail.com	Dr. Nagaraj M. Lutimath	Associate Professor	Computer Science and Engineering	5	5	5	5	5	IOT, Cloud Computing	NA



Feed Back for Writing Quality Research Papers

Questions Responses 35 Settings

35 responses



Accepting responses



Summary

Question

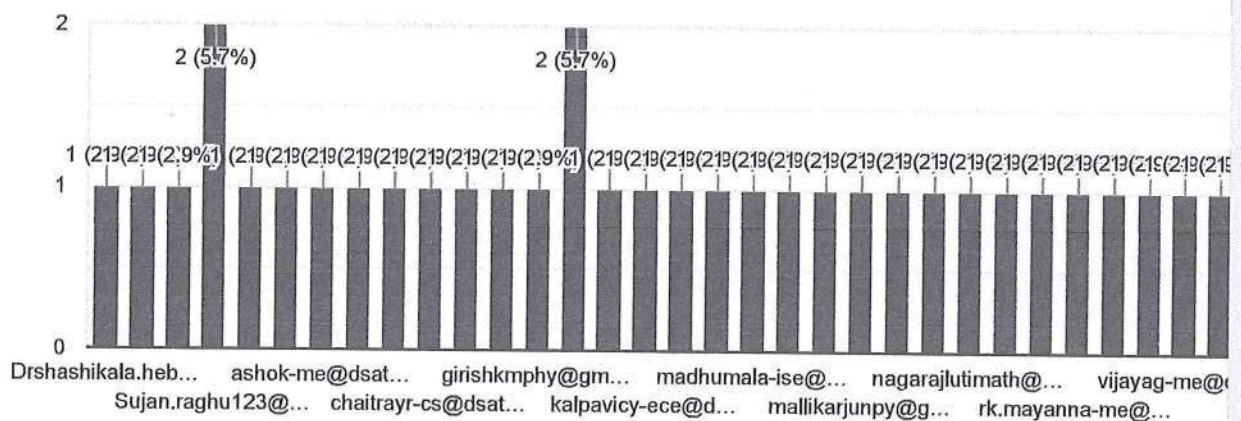
Individual

Email



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35 responses

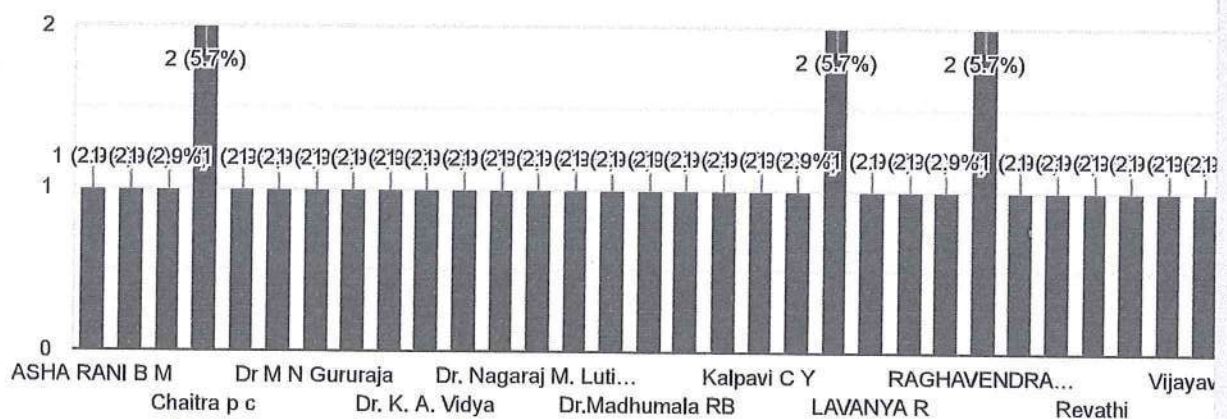


Name



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35 responses





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RESEARCH CELL



TECHNICAL SESSION

ON

“Research Opportunity in Multidisciplinary Nanoscience”

12th November 2022

By

Mr. Gadhadar Reddy.

Founder and CEO,

NoPo Nanotechnologies India Private Limited,
Bengaluru, Karnataka 560100.

Presided By

Dr. M. Ravishankar

Principal, DSATM

In Presence Of

Dr. K. Shanmukha Sundar

Professor, HOD,
Dept. of EEE

Dr. Sumithra Devi K A

Dean Academics, HOD,
Dept. of ISE

Conveners:

Dr. Kasi Viswanathan, Dept. of EEE

Dr. Madhumala RB, Dept. of ISE

Dr. Vatsala G A, Dept. of Mathematics

Dr. GururajRao, Dept. of Mech.

Dr. ShubhaLaxmi, Dept. of Civil

Dr. Nagaraj M Lutimath, Dept. of CSE

Dr. Mallikarjun, Dept. of ECE

Dr. Girish M, Dept. of Physics

HOD'S and Staff EEE

Date: 12-11-2022| Time: 10.30 AM

Venue: DSATM Seminar Hall 'B' block 4th Floor

Gadhadar Reddy, Bio



Gadhadar Reddy is an accomplished entrepreneur specializing in Nanotechnology. He led 'NoPo Nanotechnologies' in developing manufacturing technology for an advanced material; HiPCO Carbon Nanotube. These efforts have made the country a leader in the field of Single Walled Carbon Nanotubes. The material is an essential ingredient in Space, Defence, Water, Electronics, Biotechnology etc. His vision is to make space accessible to everyone using Carbon Nanotubes.

His academic credentials include:

- BE in Electronics & Communication Engineering from BMS College of Engineering (India)
- MS in Molecular Sciences & Nanotechnology from Louisiana Tech University (USA)
- Honours diploma in Space Sciences from St. Joseph's College (India)
- Global Solutions Program at Singularity University (USA)
- Chevening fellow from the University of Oxford (UK)

In 2011, He founded NoPo Nanotechnologies along with Dr Robert Kelley Bradley (Co-inventor of HiPCO® with Nobel Laureate Dr Richard Smalley). NoPo's Carbon Nanotubes are used by customers in Electronics, Automotive, Defence, and Space Industries. The material is considered a benchmark for Carbon Nanotubes.

NoPo has consistently been ranked among the Top technology start-ups in India and has won numerous awards, including The Lockheed Martin-Tata Trusts-DST IIGP 2.0, Government of Karnataka - Elevate 100, IDEX - DISC -1 Ministry of Defence, Atal Innovation Mission - Agni (Niti Ayog), India-France Young Leader, Top 3 Winner - Global Start-up Challenge, Top 5 Carbon Nanotube Manufacturer in the world, Top 3 Winner - Global Start-up Challenge and numerous papers in peer-reviewed journals like Nature.

Through NoPo, he has shown the pathway to successfully develop and commercialise deep-tech from India.



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Department of Electrical and Electronics Engineering

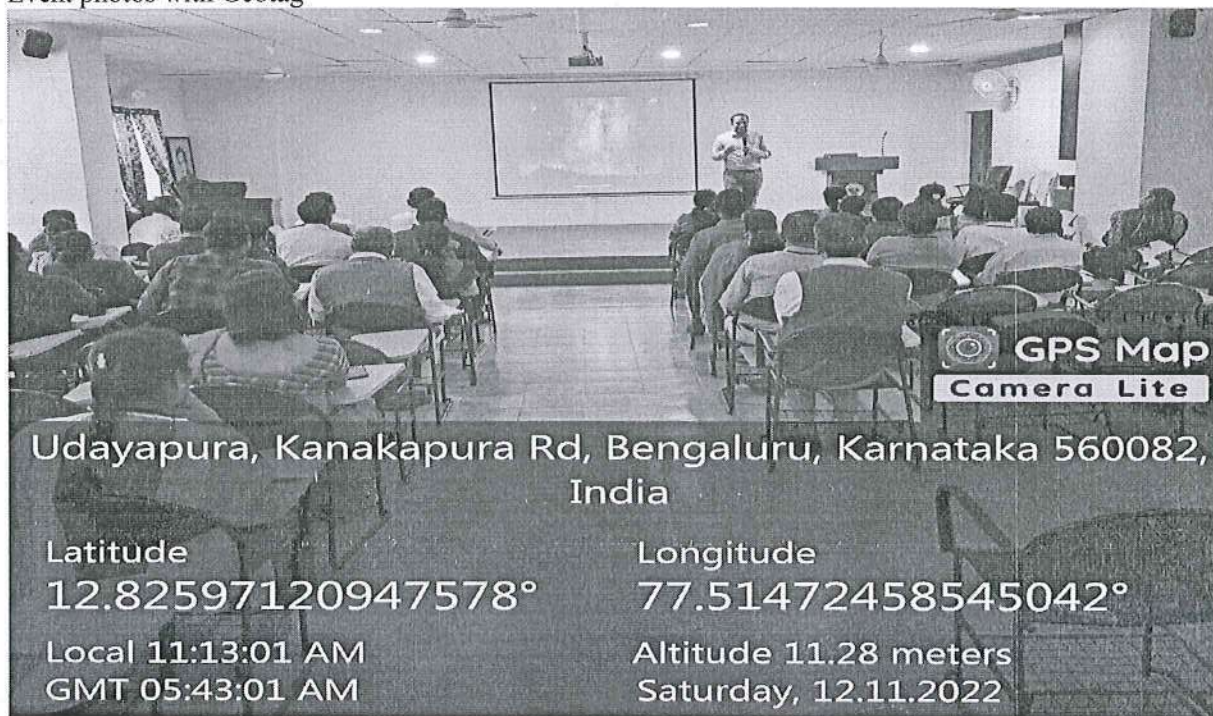
(Accredited by NBA)

Event Name	Technical Seminar on "Research Opportunity in Multidisciplinary Nanoscience"
Venue	Seminar hall "B" block, 4 th floor- DSATM
Theme	Research opportunities in nanotechnology
Date	12-11-2022
Participant	Faculties of all disciplines in DSATM

Objectives of the Program

1. To establish industrial collaboration to support academic integration with recent technologies , industrial developments in nanotechnology research .
2. To provide awareness on the recent technological developments in the field of multidisciplinary nanoscience research.
3. To enrich the knowledge on research methodology to establish a research and development centre under various disciplines.

Event photos with Geotag



Udayapura, Kanakapura Rd, Bengaluru, Karnataka 560082,
India

Latitude
12.82597120947578°

Longitude
77.51472458545042°

Local 11:13:01 AM
GMT 05:43:01 AM

Altitude 11.28 meters
Saturday, 12.11.2022



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Department of Electrical and Electronics Engineering
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Purpose:

The main purpose of the technical event is to provide the knowledge on recent technological developments which is being happening in the industrial and research level to develop methodologies and materials of nanotechnologies. The event vision is to deliver a technical speech on how to do research in nanotechnology and setting a R&D for nanotechnology. The talk provides the use of nanomaterials in different fields of engineering, agriculture and space science.

Resource person / interacted:

S.No	Resource Person	Possibility of event organising
1	Mr. Gadhadar Reddy	Founder and CEO, NoPo Nanotechnologies India Private Limited, Bengaluru, Karnataka 560100.



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Department of Electrical and Electronics Engineering

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Measurable outcomes:

- Faculties will be able to reach across diverse disciplines to apply theories, methods and knowledge bases from multiple fields to design nanotechnologies.
- Faculties will engage with research that are widely held to be significant in the field of nanoscience applications.
- The faculties will be able to know about various materials and properties for applying nanomaterials and analysis of research results to develop various solutions in the field of engineering, agriculture, food and space technologies
- Faculties can develop R&D laboratory facilities to work for the development of new materials and methods for application of nanomaterials in multidisciplinary approach to solve various socio economical problem in the society.

Event Convener

Dr. Sumithra Devi K A, Dean Academics, HOD, Dept. of ISE

Event Coordinator

Dr. Kasi Viswanathan, Dept. of EEE

Dr. Madhumala RB, Dept. of ISE

Dr. Vatsala G A, Dept. of Mathematics

Dr. GururajRao, Dept. of Mech.

Dr. ShubhaLaxmi, Dept. of Civil

Dr. Nagaraj M Lutimath, Dept. of CSE

Dr. Mallikarjun, Dept. of ECE

Dr. Girish M, Dept. of Physics



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Title of Program:	Research Opportunity in Multidisciplinary Nanoscience
Date & Time of the Proposed Program:	12-11-2022; 11.30A.M
Department:	Electrical and Electronics Engineering
Nature of Program:	Industry Expert Talk
Objectives of the Program:	To provide insight into the opportunities of Funded projects
Proposal submitted by (Name) :	Dr. P Kasi Viswanathan, Assistant Professor Dept. of EEE.
Target Audience & Number:	ALL THE FACULTY OF DSATM and Final year B E students of all the discipline
Outcome of Programme:	Faculty and students will be able to apply for the funded projects
POs:	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO9, PO10, PO11, PO12
Can the Program be linked to any of the curriculum subject? If so which subjects?	PROJECTS
Benefit to the Students :	To provide knowledge about projects and apply for funding
Benefit to the Faculties :	To get knowledge about the opportunities and apply for the funding of projects.
Benefit to the Institute:	To set up advanced labs to encourage research activities in the campus
Resource Person (Attach Profile of the Resource Person)	Mr. Gadhada Reddy Founder and CEO, NoPo Nanotechnologies India Private Limited, Bengaluru, Karnataka 560100.
Programme Convener:	Dr. Sumithra Devi K A, Dean of Academics, DSATM.
Programme Coordinator:	Dr. P Kasi Viswanathan, Assistant Professor Dept. of EEE.

Budget:

Items	Expense
Honorarium / Memento	3,500
Miscellaneous	1,500
Total (Rupees)	5,000

Submitted by / Sign :

Dean of Academics(Sign / Seal with remarks)

Recommendation by Principal



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RESEARCH CELL

TECHNICAL session

ON

"Research Opportunity in Multidisciplinary Nanoscience"

12th November 2022

Faculty Attendance

S.NO	Faculty name	Designation & department	Signature
1	Rashmi P	Asst. Prof. EEE	Rashmi P
2	MONICA K.M.	Asst. Prof. EEE	Monica K.M.
3	Dr. VATSALA G.A.	Associate Prof Maths	Vatsala G.A.
4	Asharani B.M	Asst prof, Physics	Asharani B.M
5	Dr. N. Revathi	Asst. Prof. Physics	N. Revathi
6	Dr. Srilatha Y	HOD Associate Professor, Physics	Srilatha Y
7	RAMYA S RATAN	Asst. Prof, EEE	Ramyas Ratan
8	Dr. Nagaraj M. Lintimath	Associate Prof, CSE	Nagaraj M. Lintimath
9	Vasudha G	Asst. Prof, EEE	Vasudha G
10	KIRAN R	Asst. Prof. EEE	Kiran R
11	Dr. Tripti R Kulkarni	Asst prof, ECE	Tripti R Kulkarni
12	Dr. Mandar Jatkari	Asst. prof. ECE	Mandar Jatkari
13	Mr. RAMAKRISHNA S	Associate professor	Ramakrishna S
14	Shravanoli BS	Asst. prof CSE	Shravanoli BS
15	Jahnavi S	Asst. prof., CSE	Jahnavi S
16	Bharath KM	Asst Prof ECE	Bharath KM
17	Dr. K. MATHESH DUTTA	Professor, ME	K. Mathesh Dutta
18	Gopal Chandra Sarkar	ASSO. Prof., EEE	Gopal Chandra Sarkar
19	Sridhara S	Asst Prof. CV	Sridhara S
20	VINAY KUMAR K.S.	Asst. Prof. CV	Vinay Kumar K.S.
21	Dr. Srinivasan S	Asst. Prof. CV	Srinivasan S
21	Jayatheertha H S	Asst Prof CV	Jayatheertha H S
22	Dr. Shubha Lakshmi B.S	Asst. Prof. CV	Shubha Lakshmi B.S
23	Dr. Bhavya Shivaraj	Asst. Prof Mathematics	Bhavya Shivaraj



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RESEARCH CELL

TECHNICAL session
ON

"Research Opportunity in Multidisciplinary Nanoscience"
12th November 2022

Faculty Attendance

S.NO	Faculty name	Designation & department	Signature
24.	Dr. P. Shilpa	Asst professor, Mathematics	P. Shilpa
25.	Dr. Mallikarjun B	Asso. Professor	M. Mallikarjun
26	Shivaprasadh K S	Assistant professor	S. Shivaprasadh
27	Dr. Ashok Kumar M.S.	Asst. professor, Mechanical	A. Ashok Kumar
28	Vijayvardhana C	Asst. prof. mechanical	V. Vijayvardhana
29	Deepak Kumar BN	Assistant Professor, Mechanical	D. Deepak Kumar
30	Chaitra M	Asst. Professor, Mathematics	C. Chaitra
31	Dr. K. A. VIDYA	Asst. Professor, Mathematics	V. Vidya
32	M. R. Raghavendra	Asst. professor, mathematics	M. R. Raghavendra
33	Vinodakalashmi N	Asst. prof. Mathematics	N. Vinodakalashmi
34	DR. M. N. GURURAJA	Associate prof, MG	M. N. Gururaja
35	Dr. Ravikumar H.C.	Asst. Prof. ECE	R. Ravikumar
36	Dr. Dilip R	Asst. professor ECE	D. Dilip
37	SINDHU K	Asst. Professor ECE	S. Sindhu
38	Apoorva R.	Asst. Professor ECE	A. Apoorva
39	Dr. Siddalingappa Biradar	Associate prof. ECE	S. Siddalingappa
40	Ananda A	Assistant professor - Chemistry	A. Ananda
41	Dr. MALLIKARJUN PY	Professor Dept of ECE	M. Mallikarjun
42	Dr. GIRISH KM	Asst. prof. Phys	G. Girish
43	Dr. K. Shanmuckha Sundar	Professor, EEE	K. Shanmuckha Sundar
44	R. Govindappa	Associate prof. ECE	R. Govindappa
45	Dr. G. S. MYTHA	Asst professor	G. S. Mytha
46	Dr. Rupa R. Kulkarni	Asso prof. & ECE	R. Rupa
47	Dr. P. Ravi Varman	Assistant Professor ECE	P. Ravi Varman



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RESEARCH CELL

Department of Electronics and Communication Engg.

Event Name	Technical Session on Indispensable Foundations of Research as well as Funding for Research in India and Abroad
Theme	Research Funding in India and Abroad
Date & Venue	26-11-2022; ARCHTECTURE SEMINAR HALL
Participants	Faculty of all disciplines in DSATM

Objectives of the Program/ Event

1. To get insight into Indispensable Foundations of Research to support academic integration with recent technologies .
2. To provide awareness on the recent research developments in various fields.
- 3.To enrich the knowledge on research methodology to establish a research and to obtain knowledge about funding for Research in India and Abroad



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Purpose:. The main purpose of the technical event is to provide the knowledge to get insight into Indispensable Foundations of Research to support academic integration with recent technologies and to obtain awareness on the recent research developments in various fields. To establish detail knowledge about the process to be carried about different research areas.

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RESEARCH CELL

Resource person/participants:

SL NO	RESOURCE PERSON	DETAILS
1	Mr. M H SAGAR	International Educationalist, Philosopher, Educated at the University of Edinburgh, Scotland & UCL London, England.

Vision: To enrich the knowledge on research methodology and the detail knowledge about funding for Research in India and Abroad.

Identification and addressing the GAP:

- To get acquainted with the working styles of industries at different hierarchy and learn to work in a team.
- To gain experience in all types of professional communications.
- To expose to understand the management and engineering principles to manage projects.
- Gain experience in writing reports in technical works/projects.
- Will be able to reach across diverse disciplines to apply theories, methods and knowledge bases on multiple fields.

POS MAPPED: **PO1,PO2,PO3,PO4,PO5**

Event convener

Dr. Sumithra Devi K A, Dean Academics, HOD, Dept. of ISE

Event coordinators

Dr. Mallikarjun P Y Dept. of ECE

Dr. Girish M, Dept. of Physics

Dr. Kasi Viswanathan, Dept. of EEE

Dr. Nagaraj M Lutimath, Dept. of CSE

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RESEARCH CELL

Dr. Madhumala RB, Dept. of ISE

Dr. Vatsala G A, Dept. of Mathematics

Dr. GururajRao, Dept. of Mech.

Dr. ShubhaLaxmi, Dept. of Civil


HOD's Signature


Principal's Signature

Dr. M. Ravishankar

Principal

Dayananda Sagar Academy of

Technology & Management

Udayapura, Opp. Art of Living,

Kanakapura Road Bangalore-560 082.



Event Name	Workshop on Market Research Trend
Theme	One day Workshop
Date	15.07.2022
Venue	M-Block, III Floor, Room No. 302

Objectives of the Program/ Event

- To provide an insight on recent market trends in Business Environment.
- To learn and implement the recent innovation in Business market.



Details about the event

Department of Management Studies has conducted a 'Workshop On Recent Market Trend'. Mr **Prasanth Palakkadiyil**, Founder and Chief Strengths Facilitator is a multifaceted visionary having 27 years of multi-sectoral national and international exposures. He was former Director for Office of International Affairs , Alliance University, Bangalore. Mr



Prasanth started the session with positive nation and discussed the significance and challenges faced by business entity to start a business. He has given the students with a task of developing prototype model to start a business entity. His session focused even on the significance of Innovation. Students of MBA first year (Batch 2021-23) actively participated in the discussion and the session ended with brief question and answer session.

Measurable outcomes, w.r.t. realisation of Vision

- Students were able to understand the challenges in developing innovation and problems faced in start-ups.

Principal's Signature





EMPSIS-National Strengths Design

Defining moments are the decisions and choices we make today which will determine the course of entire generations' lives and livelihoods.

What matters is Your **Clarity...**

What matters is Your **Right Choice...**

What matters is Your **Cherishment...**

Presented By

Prasanth Palakkadiyil

Founder and Chief Strength Facilitator

+91 99728 03932

empsissolutionsglobal@gmail.com



FOR HAPPY LIVING

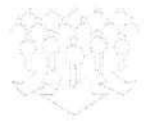
EMPSIS

Facilitating
Strengths and
Sector-Based
Education,
Employment and
Entrepreneurship for
Sustainability and
Scalability for
Socio-Economic
Transformation in
Building Nations

Is in the making of
**Strengths and Sector-Based
1 Million Entrepreneurs**

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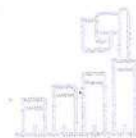
A Brief about EMPSIS



EMPSIS Academy for Strengths Building and Research of EMPSIS Solutions Global, Bangalore, since 2011 has been working on **Strength Designs** with Individuals and Institutions in addressing Environment, Mind, Physical, Spiritual, Intellectual and Social needs and has initiated 1st of it's kind in the world Strengths Revolution for the making of 1 Million Entrepreneur's on Strengths & Sectoral Basis.



We are pioneering the concept of **Strength-Based Education, Employment and Entrepreneurship** for **Socio-Economic Transformation(SET)** to Manage Uncertainties and Challenge of the future proactively and Research to create new possible future with aspirants in the New Normal.



Strengths Appreciation Process (SAP), Aspirant Centric Transformation on Strengths (ACTS) are important factors in facilitating larger vision aligned with NEP 2020, IR and SDG by **National Strengths Design (NSD)** in bringing Micro to Macro changes in building nations.

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Prasanth Palakkadiyil Founder and Chief Strengths Facilitator is a multifaceted visionary having 27 years of multi-sectoral national and international exposures.

He was former Director for Office of International Affairs , Alliance University, Bangalore.



He has initiated **Strengths Revolution** and as an Edupreneur he strongly advocates Aspirant Centric Transformation and is facilitating **EMPSIS National Strengths Design in the making of 1 Million Entrepreneurs on the basis of Individual Strengths and their aligned Sectors.**



The enthralling Strengths-Based Research on Individuals and Institutions for Education, Employment and Entrepreneurship for Strengths, Sector, Skill, Sustainability and Scalability is to structure in strengthening **Socio-Economic Transformation in Rebuilding Bharat for Building Nations; a Strong Nation for Happy Living.**

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International Students Day celebration



Parliamentary Global Partners Forum



International Seminar Career Development



Global Partners Forum



ICCR Freshers Orientation



Global Symposium-Project Management



NSDC



AIU



Book Launch Modi Th...



With PM Guru Sri. Adesh Ji



Delegation from Edin... University



ICCR-FISA Elections



Way Forward 2017



Global Symposium Managing Uncertainties in Today's Competitive Environment



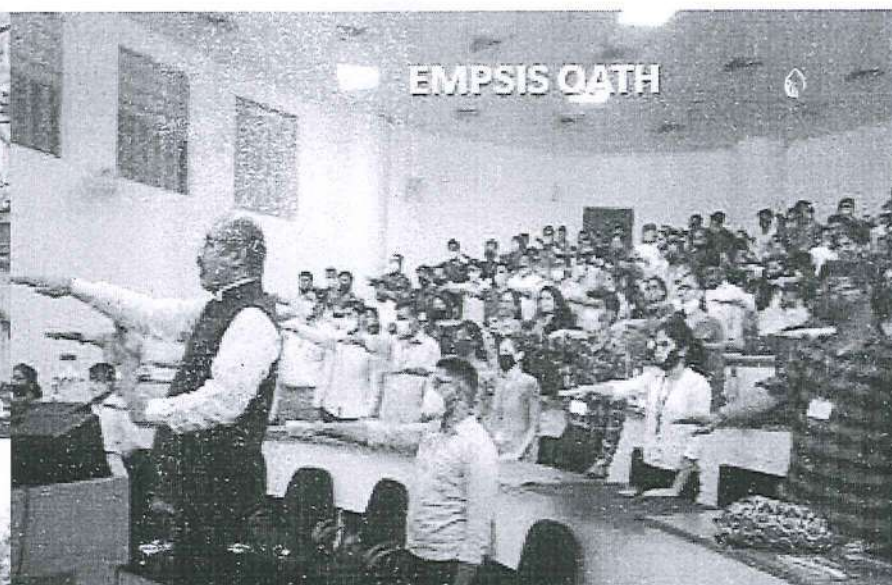
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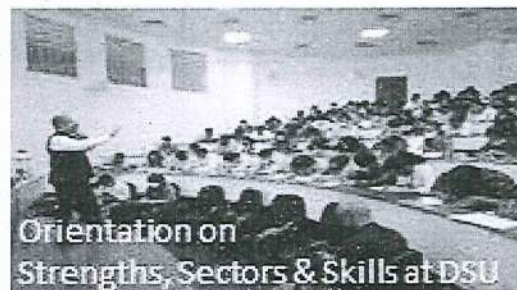
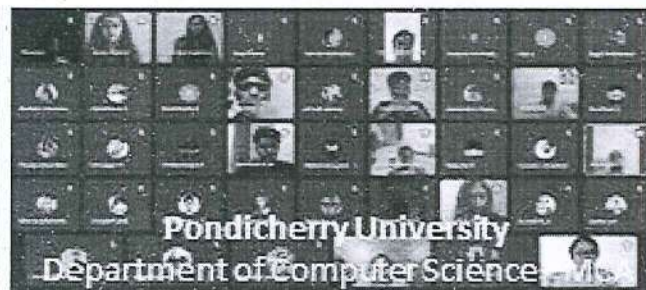
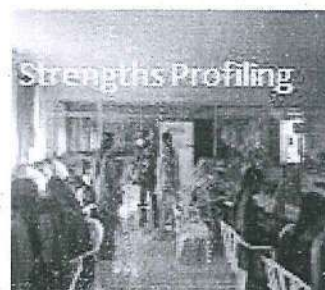
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**National Strengths Design – Inaugural Function
at Vivekandha Group, TamilNadu – October 22, 2021**



**Dhayanandha Sagar
Group of Institutions**





WORKSHOP ON MARKET RESEARCH TRENDS

Attendance Sheet

Date: 17.08.2022

S. No.	USN	Name	Signature
1. 1	1DT21BA001	Akshay M	Akshay M
2.	1DT21BA002	Akshay Vishnu Kolambakar	Akshay
3.	1DT21BA003	Amrutha B G	Amrutha B G
4.	1DT21BA004	Anusha M J	Anusha M J
5.	1DT21BA005	Basavaraj	Basavaraj
6.	1DT21BA006	Bhavya R	Bhavya R
7.	1DT21BA007	Channabasavaraj Hallad	C.B. Hallad
8.	1DT21BA008	D J Vishal	Vishal
9.	1DT21BA009	Darshitha N	Darshitha N
10.	1DT21BA010	Deepak B Laxmeshwar	Deepak B Laxmeshwar
11.	1DT21BA011	Deepak Raj T G	Deepak Raj T G
12.	1DT21BA013	Dhananjaya M K	Dhananjaya M K
13.	1DT21BA015	Gagana C S	Gagana C S
14.	1DT21BA016	Gokulraj V	Gokulraj V
15.	1DT21BA017	Gururaghavendra R	Gururaghavendra R
16.	1DT21BA018	Hemanth B N	Hemanth B N
17.	1DT21BA019	Hitheshgowda B H	Hitheshgowda B H
18.	1DT21BA020	Kavya M	Kavya M
19.	1DT21BA021	Krupa H R	Krupa H R
20.	1DT21BA022	Madhan V	Madhan V
21.	1DT21BA023	Madhusoodhana Devaru Bhat	Madhusoodhana Devaru Bhat
22.	1DT21BA024	Mamatha M H	Mamatha M H
23.	1DT21BA025	Meghana P	Meghana P
24.	1DT21BA026	Mohammad Ismail LB	Mohammad Ismail LB
25.	1DT21BA027	Monisha K Y	Monisha K Y
26.	1DT21BA028	Niveditha U	Niveditha U
27.	1DT21BA029	Pavithra A	Pavithra A
28.	1DT21BA030	Prajwal J S	Prajwal J S
29.	1DT21BA031	Prajwal V G	Prajwal V G
30.	1DT21BA032	Praveen Kumara	Praveen Kumara
31.	1DT21BA033	R M Roy Sheran	R M Roy Sheran
32.	1DT21BA034	Rajitha Teja Dev	Rajitha Teja Dev
33.	1DT21BA035	Raksha Gowtham C V	Raksha Gowtham C V
34.	1DT21BA036	Rakshith M	Rakshith M
35.	1DT21BA037	Ramanagoud Dhannur	Ramanagoud Dhannur
36.	1DT21BA038	Ranjitha J B	Ranjitha J B
37.	1DT21BA039	S Venkat Sai	S Venkat Sai
38.	1DT21BA040	Santhosh P Devaraj	Santhosh P Devaraj
39.	1DT21BA041	Sarvesh Padanad	Sarvesh Padanad
40.	1DT21BA042	Shalini K	Shalini K
41.	1DT21BA043	Sharad Kumar Patil	Sharad Kumar Patil
42.	1DT21BA044	Sharanya R	Sharanya R



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Department of Computer Science and Engineering Under Research Cell

**In Association with CSI
Organizing**



One Day Seminar

On

Research Methodology & Its Pathways

Date: 04-02-2022

Time: 11.30 am to 12.30 pm

Venue: Seminar Hall 'A' block 4th floor

RESOURCE PERSON:

Dr. S. G. Sreekanteswara Swamy

Executive Secretary

**Karnataka State Council for Science and Technology
Indian Institute of Science, Bengaluru**

IN THE PRESENCE OF

Dr. M RAVISHANKAR

Principal, DSATM

**Dr. Sumithra Devi KA
Dean Academics & HOD-ISE, DSATM**

**Convener
Dr. C. Nandini
Vice Principal, Prof. & HOD-CSE, DSATM**

Co-ordinators:

Dr. Murali G, Assoc. Prof., CSE, DSATM

Jahnvi S, Asst. Prof., CSE, DSATM

Note: Mandatory for all Ph.D holders to attend

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING (All Engineering Branches Accredited for 3 years by NBA)

Date: 04.02.2022

One day Seminar Program on "Research Methodology & Its Pathways"

SL.NO	Department	Name	Designation	Signature
1	CSE	Manasa Sudeep	Asst Prof	[Signature]
2	CSE	Shilpa M	Asst Prof	[Signature]
3	I SE	Dr. N. Cleema	Professor	[Signature]
4	I SE	Dr. Sumithra KA	Dean	[Signature]
5	ECE	Dr. Manjunath Prasad	HOD-ECE	[Signature]
6	PHY	Dr. Gristh KM	Asst prof	[Signature]
7	MECH	Dr. Ravi Kumar B	Asst Prof	[Signature]
8	MECH	Dr. Achok M.S	Asst Prof	[Signature]
9	MECH	Dr. Mallikarjun B	Asso. Prof	[Signature]
10	CSE	Dr. V. SIVAKUMAR	ASSO. PROF.	[Signature]
11	CV	Dr. M.K. HARIKERTHAN	Assoc Prof	[Signature]
12	Civil	Dr. Shubhalakshmi B.S	Asst. Prof	[Signature]
13	Civil	Dr. Deepak G.B	Asso. Prof	[Signature]
14	CIVIL	Dr. K.N. VISHWANATH	Prof. & Head	[Signature]
15	CSE	Dr. R. SARAVANA KUMAR	Asso. prof	[Signature]
16	EGG	Dr. P. Kasi Viswanathan	ASST Prof	[Signature]
17	BLE	Dr. Siddalingappa	Assoc. prof	[Signature]
18	ECE	Dr. Rupa Kulkarni	Asso Prof	[Signature]
19	ECE	Dr. Shunye MM	Asso Prof	[Signature]
20	Civil	Dr. Sahana R	Asst. Prof	[Signature]
21	I SE	Dr. Rishmi Anurdeep	Asso. Prof	[Signature]
22	MCA	Dr. Manjula Jayaj	Prof & HOD	[Signature]
23	I SE	Dr. Poorna Nayak	Asst. Prof	[Signature]
24	I SE	Dr. Anusha Bobetham	Asst. Prof	[Signature]
25	Phy	Dr. Srikethu Y	Associate prof	[Signature]
26	MBA	Dr. Divya U	Asst. Prof	[Signature]
27	CSE	Dr. Kirthana	Prof	[Signature]
28	CSE	Dr. V. Keerthika	Asst. prof	[Signature]
29	I SE	Dr. G. Mangula	Associate prof	[Signature]
30	MCA	Dr. G. G. G. G.	Asst. Prof	[Signature]
31	CSE	Dr. C. Nandini	Vice Principal	[Signature]
32	CSE	Jahnavi S	Asst. prof	[Signature]
33	CSE	Dr. Murali	Asst. Prof	[Signature]
34	CSE	Dr. Prashant	Prof	[Signature]
35	Maths	Dr. Vatsala	Associate	[Signature]



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Opp. Art of Living, Udayapura, Kanakapura Road, Bangalore- 560082

Department of Computer Science and Engineering



Event Name	Seminar Program on "Research Methodology & its Pathways"
Theme	Seminar
Date	4-2-2022
Venue	4 th floor, Seminar Hall, A block. DSATM

Objectives of the Program/ Event: The objective of the program is to educate the faculty on the research methodology.



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Dr. S. G. Sreekanteswara Swamy

Executive Secretary

Karnataka State Council for Science and Technology

Indian Institute of Science, Bengaluru – 560012

Email: swamy@kscst.iisc.ernet.in swamysgs@gmail.com

Mob: 09448515976



- Dr. S. G. S. Swamy, has done Masters Degree in Geology and obtained PhD in 'Geo environmental Study of Mining Engineering and Environment in Western Ghats Regions of Karnataka', from Bangalore University.
- He served as a lecturer in Government Science College, Bangalore. He worked as a Project Scientist, in Karnataka Rajya Vijana Parishath, Bangalore, and as Executive Secretary and Director, Belgaum Science Centre, Belgaum.
- He took professional training from Indian Institute of Science, Bangalore, Space Application Centre, Ahmadabad and Institute for Social Economic Change, Bangalore and other organizations.
- He joined, Karnataka State Council for Science and Technology (KSCST), Bangalore as Fellow and presently serving as the Executive Secretary of KSCST.
- He has written, edited, translated and Authored books
 - Halley's Comet
 - Renewable Energy Sources
 - Water Resources of Tumkur District,
 - *Grameena Jeevana Thantragnanagala Baleke* (on Rural Technologies)
 - *Kasavendare Kasu* (on Solid Waste Management)
 - Student Project Programme Technical Record
 - Vidhyarthi Vijnaniya Dinachari (Translated)
- He is a joint Author for the following reports and submitted to KSPCB, Government of Karnataka
 - Status Report on Municipal Solid Waste Management
 - Status Report on Biomedical Waste
 - Status Report on Plastic Recycling in Karnataka
- He has written more than 50 articles in Kannada on Science and Technology for various journals and magazines. Delivered more than 50 talks on various topics in Science and Technology in radio, television and at various institutions.
- At present, he is involved in research and development projects and programmes of the Council in areas of Education, IPR issues, Waste Management and Water Quality Assessment sanctioned by Department of Science and Technology, Government of India and Department of Science and Technology, Government of Karnataka.
- He has published 8 Research Papers in technical journals of national repute.
- He is the Principal Investigator for the establishment of "Virtual Laboratory" concept in Government High Schools of backward Talukas in Karnataka



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Seminar Feedback Form

Seminar title: Research Methodology & its Pathways

Date: 4/2/2022 Instructor: Dr S G Sreekanteswara Swamy

- | | Strongly agree | 2 | 3 | 4 | Strongly disagree |
|---|----------------|----------|---|---|-------------------|
| 1. The content was as described in publicity materials | <u>1</u> | | | | |
| 2. The seminar was applicable to my job | 1 | <u>2</u> | | | |
| 3. I will recommend this seminar to other conservators | <u>1</u> | | | | |
| 4. The program was well paced within the allotted time | <u>1</u> | | | | |
| 5. The instructor was a good communicator | <u>1</u> | | | | |
| 6. The material was presented in an organized manner | <u>1</u> | | | | |
| 7. The instructor was knowledgeable on the topic | <u>1</u> | | | | |
| 8. I would be interested in attending a follow-up, more advanced seminar on this same subject | <u>1</u> | | | | |

9. Given the topic, was this seminar: ☐ a. Too short ☒ b. Right length ☐ c. Too long

10. In your opinion, was this seminar: ☐ a. Introductory ☒ b. Intermediate ☐ c. Advanced

11. Please rate the following:

- | | Excellent | Very Good | Good | Fair | Poor |
|------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|
| a. Visuals | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Acoustics | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Meeting space | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Handouts | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e. The program overall | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

12. What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement?

Sh



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DEPARTMENT OF INFORMATION SCIENCE

Event Name	Technical Talk on "How to write Research Proposal"
Theme	Research Cell
Date & Time	08.10.2022 & 11:30 am
Venue	Auditorium
Faculty	Dr.Madhumala RB

Objective: The objective of this to have a strong knowledge about research proposal to improve the academic process.

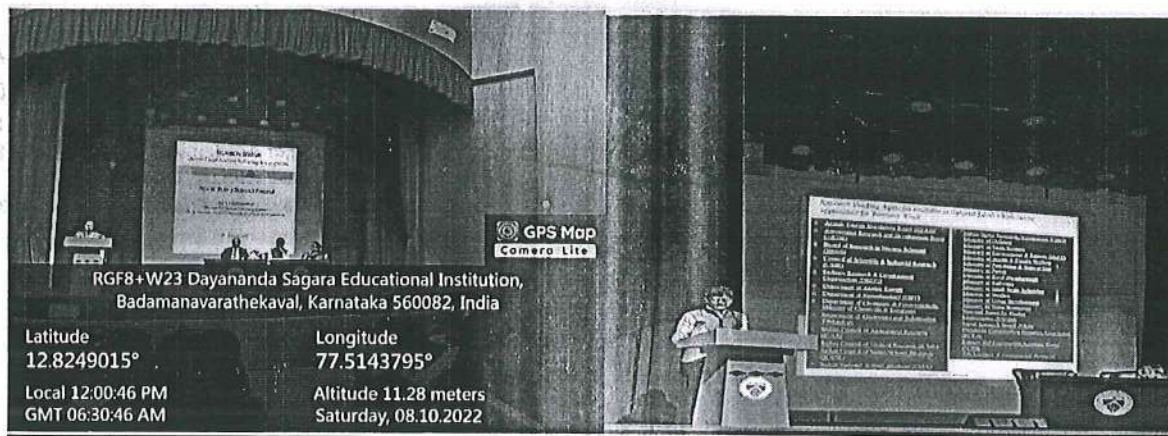
Purpose: Faculties will get about the real world research problems. A research proposal is a document written by a researcher that provides a detailed description of the proposed program. It is like an outline of the entire research process that gives a reader a summary of the information discussed in a project. Preparation of research proposal is needed because it facilitates the smooth sailing of the various research operations, thereby making research as efficient as possible yielding maximal information with minimal expenditure of effort, time and money

About the Program:

Research Cell of Dayananda Sagar Academy of Technology and Management have organized the a technical talk on How to write the research proposal on 8th October 2022 from 11:30 am. Dr. U Chandrasekhar, Chairman AISC and Program Director, Wipro Ltd, Bengaluru addressed the gathering. The program was conducted in the presence of Dr.M. Ravishankar, Principal, DSATM and Dr.Sumithra Devi K A, Dean Academics & HOD ISE and DSTAM HoD's and faculties.

The resource Person discussed about the following points:

The research proposal is a summary of the plan you are contemplating for carrying out in the form of a dissertation - by making you put it down into a standard format and requiring you to discuss it with your supervisor, it is intended that this will help you to order your thoughts and present your preparatory material in a logical way. Highlight the way in which each section interrelates with the others. Assist you in defining the boundaries of your study and the concepts to be included. The more you sort out your ideas at this stage, the more effectively you will use your time.



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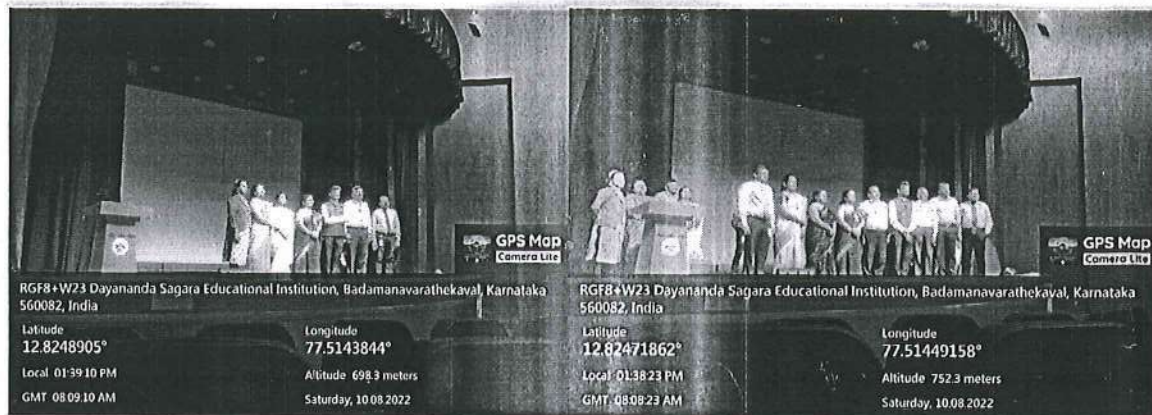
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DEPARTMENT OF INFORMATION SCIENCE



Resource person/ Participants:

Chief Guest: Dr.U Chandrasekhar, Chairman AISC and Program Director, Wipro Ltd, Bengaluru.

Co-ordinator : Dr.Madhumala RB

HoD and Faculty Members of ISE were attended the program.

Vision:

To enhance the research knowledge while submitting the research proposals.

Measurable outcomes:

The faculty will be able to enhance their knowledge in their respective research domains. It's always hard to figure out how long a research will take and how much everything will cost. Writing about the expected results of research study in a good idea as it can help to establish the significance of study. On the basis of the problems it is possible to identified the proposed methodology and can describe what results can be expected from the research.


Faculty

Dr.Madhumala RB


HoD/ISE

Dr.Sumithra Devi K A

Dr. Sumithra Devi K. A

Dean Academics, Prof & HOD

Department of Information Science & Engg

Dayananda Sagar Academy of Technology & Management

Udayapura, Opp Art of Living,

Kanakapura Road, Bangalore 560082





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Bengaluru 560082

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Department of Management Studies

ORGANIZES

A Workshop ON

Probability and Hypothesis Testing

BY

Mr. V K Srirama

ON

DATE : 30.05.2022

TIME : 11.30 AM

VENUE : "M" Block 3RD Floor

In

Gracious Presence of

Dr. M Ravishankar

Principal, DSATM

Dr. PRAVEEN KUMAR SINHA

ASSOCIATE PROFESSOR

MBA , DSATM

Dr. ANJANA DEVI S C

PROF & HOD

MBA , DSATM

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Department of Management Studies

Event Name	Workshop on Statistics (Research Methodology)
Theme	Hands on Problem-solving workshop on Probability and Hypothesis Testing
Date	30/05/2022
Venue	M Block, 3 rd Floor
Participants	MBA 1 st Sem students

Objectives of the Program/ Event

- Introducing Variables, Data collection, Research Analysis and significance of Probability in research.
- Solving elementary problems in hypothesis testing.



Details about the event:

- Mr. Sri Ram started the session with the basics of statistics. Sir explained the meaning of main concepts like Research, Variable, Hypothesis and also Parametric and Non-parametric factors.

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Department of Management Studies

- Once the concepts were clearly explained, a few problems based on these was discussed.
- He taught Probability and covered its sub concepts like Poisson distribution, Binomial distribution and Normal distribution. The formulae were discussed with the students.
- Under Hypothesis the concepts like T test, Z test, U test, Chi-square test was explained. Theory of Bi-variate, multi- variate analysis, ANOVA and its One way & Two-way classification was explained in depth.

Measurable outcomes, w.r.t. realisation of Vision:

- Clear understanding of various test of hypothesis.
- Importance of these in conducting various research analysis and their interpretations.



Principal Signature



WORKSHOP ON STATISTICS (Probability & Hypothesis Testing)

Attendance Sheet

Date: 30.05.2022

S. No.	USN	Name
1. 1	1DT21BA001	Akshay M
2.	1DT21BA002	Akshay Vishnu Kolambakar
3.	1DT21BA003	Amrutha B G
4.	1DT21BA004	Anusha M J
5.	1DT21BA005	Basavaraj
6.	1DT21BA006	Bhavya R
7.	1DT21BA007	Channabasavaraj Hallad
8.	1DT21BA008	D J Vishal
9.	1DT21BA009	Darshitha N
10.	1DT21BA010	Deepak B Laxmeshwar
11.	1DT21BA011	Deepak Raj T G
12.	1DT21BA013	Dhananjaya M K
13.	1DT21BA015	Gagana C S
14.	1DT21BA016	Gokulraj V
15.	1DT21BA017	Gururaghavendra R
16.	1DT21BA018	Hemanth B N
17.	1DT21BA019	Hitheshgowda B H
18.	1DT21BA020	Kavya M
19.	1DT21BA021	Krupa H R
20.	1DT21BA022	Madhan V
21.	1DT21BA023	Madhusoodhana Devaru Bhat
22.	1DT21BA024	Mamatha M H
23.	1DT21BA025	Meghana P
24.	1DT21BA026	Mohammad Ismail LB
25.	1DT21BA027	Monisha K Y
26.	1DT21BA028	Niveditha U
27.	1DT21BA029	Pavithra A
28.	1DT21BA030	Prajwal J S
29.	1DT21BA031	Prajwal V G
30.	1DT21BA032	Praveen Kumara
31.	1DT21BA033	R M Roy Sheran
32.	1DT21BA034	Rajitha Teja Dev
33.	1DT21BA035	Raksha Gowtham C V
34.	1DT21BA036	Rakshith M
35.	1DT21BA037	Ramanagoud Dhannur
36.	1DT21BA038	Ranjitha J B
37.	1DT21BA039	S Venkat Sai
38.	1DT21BA040	Santhosh P Devaraj
39.	1DT21BA041	Sarvesh Padanad
40.	1DT21BA042	Shalini K
41.	1DT21BA043	Sharad Kumar Patil
42.	1DT21BA044	Sharanya R



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RESEARCH CELL

About the Research Cell

The Research Cell was established in 2018 to promote, monitor and address research activities at DSATM, Bengaluru. Objective of the Cell is to monitor and administer Research programs for faculty and encourage them to have rational approach in their academic activities. In order to provide every faculty member with the latest skills and expertise in their area of interest, DSATM has formed its Research Cell where in all our diverse teachers can share their expertise would in return enrich, enhance and help every faculty member to grow to the optimum. It also motivates staff members to undertake sponsored research projects, publish their work in leading journals and to present papers at national and international conferences.

Committee Members

- 1) Dr B R Lakshmikantha, Principal, Chairman
- 2) Dr Nandini C, Vice Principal
- 3) Dr Sumithra Devi K A, Dean Academics
- 4) Dr K Karibasappa, Professor ECE
- 5) Dr M Kusuma, Professor ISE
- 6) Dr Madhumathy P, Professor , ECE
- 7) Dr Vatsala G A , Associate Professor Mathematics
- 8) Dr Geetha, HOD MBA
- 9) Dr Sahana R, Assistant Professor, CE

Vision

To be espied as one of the leading organization in applied research for the furtherance of society.

Mission

To enable excellence in research and innovation by

- Collaborate with academic and research institute, to strengthen the education and research ecosystem.
- Providing infrastructure and training to promote creativity and entrepreneurship.
- Promote the ethical conduct of research & compliance.
- Fostering a diverse and inclusive work environment

Research Policy

- Provide optimum facilities to researchers
- Encouraging collaborative research with International/National reputed institutes
- Perform interdisciplinary and unconventional research.
- Organize workshops, seminars, conferences at National or International level
- Encourage to write and forward research proposals for financial support to different funding agencies and announce incentives with the project sanctioned.

Research ethics

Researcher to follow the below while pursuing the research

- Honesty
- Integrity
- Respect for Intellectual Property
- Confidentiality
- Social Responsibility
- Competence
- Legality

Publication Policy

- Research publication leading to Patent/Patenting Research activities
- Develop and implement an official Code of Ethics to check malpractices and plagiarism in research
- Researchers to have ethics in quoting the reference cited.

Measurable outcomes:

- Funded Projects under DSATM Research Cell**

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co- investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non- Government)
Outcome based Accreditation and NBA Accreditation	Dr.Sumithra Devi K A	Information Science and Engineering	2019- 2020	3,00,000	1 year	Visvesvaraya Technological University TEQIP CELL, Bangalore	Government
Entrepreneurship Awareness Camp(EAC)	Dr.Sumithra Devi K A	Information Science and Engineering	2019- 2020	60,000	1 year	Entrepreneur ship Development Institute of India, Department of Science and Technology	Government
Entrepreneurship Awareness Camp(EAC)	Dr.Sumithra Devi K A	Information Science and Engineering	2018 - 2019	60,000	1 year	Entrepreneur ship Development Institute of India, Department of Science and Technology	Government
Advanced Image Processing Lab to Develop signal / Image processing algorithms, SAR image change detection algorithms to monitor critical changes	Dr. Sumaiya MN	Electronics and Communicati o n Engineering	2018	20 Lakhs	2 years	Vision Group on Science and Technology	Government
Detection of intrusion through Big data analysis for Wireless Sensor Networks.	Dr.Anitha J	Computer Science & Engineering	2017- 18	20 Lakhs	2 years	VGST (Vision Group on science and Technology, Karnataka Govt.)	Government
Empowering Socio economic Status of SC/Tribe women in Agrahara Village, KanakapuraTaluk, Bangalore Rural District through Mulberry sericulture	Dr.Anitha J	Computer Science & Engineering	2017- 18	5 Lakhs	1 years	VGST- SMSYR	Government

CPLD based green house monitoring system for agriculture.	Dr.Madhumathy P	Electronics and Communication Engineering	2017	5 Lakhs	1 year	Vision Group on Science and Technology	Government
“Photocatalytic hydrogen generation and Photocatalytic degradation of toxic dyes using nano metal oxides and doped metal oxides synthesized by novel and eco-friendly methods	Dr Ramakrishappa T	Chemistry	2015	20lakhs	3 years	Vision Group of Science And technology ,Govt Of Karnataka	Government
Voltammetric detection of toxic metal ions using surface modified nano carbon based composite electrodes: Applications to environmental analysis	Dr Ramakrishappa T	Chemistry	2015	22.68 lakhs	3 years	Science and Engineering Research Board, SERB, Govt of India	Government

Quality Academic Research Publications

Year of Publication	No. of Publication
2017-2018	58
2018-2019	62
2019-2020	92

University Recognized Research Centers

- Electronics & Communication Engineering
- Computer Science Engineering
- Mechanical Engineering
- Civil Engineering
- MBA
- Physics, Chemistry and Mathematics

Faculty Research Reviews

Research reviews for all the faculties of the college is conducted every year. This is to monitor the research progress of the faculty members and to encourage registering for PhD for faculty's who have not registered. The committee includes Principal, Dean Academics and HoD's of concerned departments. The reviews were conducted during the following dates:

2019-2020: 04/09/2019 to 06/09/2019

2020-2021: 08/10/2020 to 09/10/2020



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EVENTS UNDER RESEARCH CELL

Academic year 2020-2021

S.N	Date	Event	Resource Person
1	30-09-2021	Research Quality Enhancement In Engineering Applications	Dr.Tousif Khan HOD,EEE SRM Univeristy
2	28-08-2021	A Webinar On Research Article Writing And Publication	Dr Raviraj M Kulkarni Professor GIT, Belagavi
3	24-07-2021	A Webinar On Research Literature Review And Identifying Research Gap	Dr M Mathirajan Chief Research Scientist Department Of Management Studies Iisc, Bengaluru.
4	30/06/2021	Research: Initiation, Propagation & Conversion- From Writing To Funding	Dr. K N Vishwanath Professor & Head, Department Of Civil DSATM, Bangalore
5	29/05/2021	Webinar On Research Methodology	Dr. Vijay Bhandi Senior Project Manager, Infosys Limited, San Francisco, USA
6	10/04/2021	Research Conclave 2021	Dr.M S Dinesh Senor Scientist II Philips India Research Mr. Arvindh Kalidasan Microsoft India Dr.Kumudini Ravindra IEEE Bangalore Dr.Segal GE Power South Asia Bangalore Dr.Kavithaa S Scientist,CMTI ,Bangalore Dr.B S Dayasagar Professor, Indian Statistical Institute



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RESEARCH CELL, Institution's Innovation Council-IIC & Internal Quality Assurance Cell-IQAC



Report of Webinar on

Research Quality Enhancement in Engineering Applications

Organized by Department of EEE, DSATM

Event Name	Research Quality Enhancement in Engineering Applications
Theme	To focus on challenges and steps involved in Research Quality Enhancement in Engineering Applications
Date	30/09/2021
Tools Used	Zoom Cloud Meeting platform. https://zoom.us/j/95419256479?pwd=UnJpRG0xU1ZycnVOQnppYjRoam5Ddz09

Vision: To provide a forum for sharing and discuss the key points involved in overall research quality enhancement in engineering applications among the speaker and participants.

Objectives of the Program/ Event:

- To address the basic definition of research based on theoretical and applied research methods.
- To highlight the specific benefits of quality research w.r.t students, faculty and intuition.
- To focus and understand the challenges and steps involved in carrying out quality research.

About the Webinar: The webinar provides an opportunity for the participants to understand the difference between basic research and quality research. The webinar also provides the opportunity for the participants to initiate research work in the direction of enhancing quality research.

Resource person:

Dr.Tousif Khan N, Ph.D(IIT-Gauhati)

Head of the Department, EEE,

SRM University, AP



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Glimpses of Webinar:

Recording...



Research Quality Enhancement in Engineering Applications



Dr. Tousif Khan N
Head of the Department
Electrical and Electronics Engineering
SRM University AP
Pradesh, India



Recording...

Specific Benefits

From students' perspective



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Number of participants: 67

Identification and addressing the GAP:

The gap identification is the key element in enhancing the quality of research. The gaps in terms of resources, time management and abilities of an individual have been identified and have been discussed during the talk. Adopting the current technologies and modern tools to attain their research goals with quality.



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Measurable outcomes:

The participants are able to understand the difference between basic research and quality of research. Further, they are able to understand the challenges and incorporating the quality steps in improving their research quality by publishing in quality journals through the collaboration with industries/other experts.



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RESEARCH CELL,
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Internal Quality Assurance Cell-IQAC



Report on the Webinar on Research Article Writing And Publication

Organized by Department of ECE, DSATM

Event Name	Webinar on Research Article Writing And Publication
Theme	Learn to critically evaluate and understand the concepts of citing and indexing of the research paper. Learn to publish in high impact factor journals.
Date	28/08/2021
Tools Used	Webinar Link: https://meet.google.com/rdx-hzgo-sdk .

Vision: To discuss the topics related to issues and challenges in Research Methodology, Research Methods, Research Papers writing, Research paper publication, etc. and exchange research ideas between the expert and participants from various technical and management fields.

Objectives of the Program/ Event:

1. To address the purpose of the investigation and types of knowledge to be generated out of one's investigation.
2. To anticipate what and how research aim will be achieved by the study.
3. To gain familiarity with a phenomenon of formulative, descriptive and diagnostic research studies in writing and publishing.
4. To familiarize with hypothesis-testing studies.

About the Webinar: The webinar aims to discuss the specific procedures or techniques used to identify, select, process, and analyze information about a chosen research topic and how to publish it.

Resource person:

Dr. Dr. RAVIRAJ M KULKARNI
Professor, GIT, Belagavi



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The top screenshot shows a Google Meet window with the URL <https://meet.google.com/rdx-hzgo-sdk>. The presentation slide is titled "Skeleton of a Manuscript" and "IMRaD structure- Writing a draft". The slide content includes:

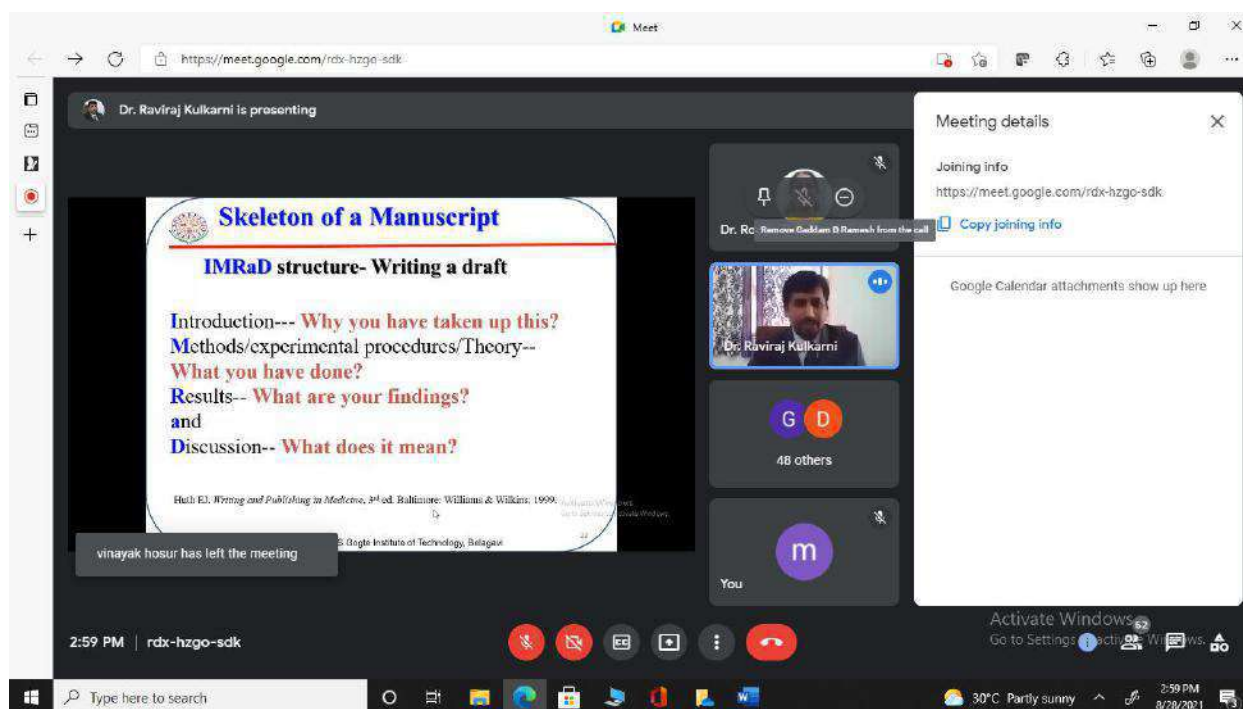
- Introduction--- Why you have taken up this?
- Methods/experimental procedures/Theory--
- What you have done?
- Results-- What are your findings?
- and
- Discussion-- What does it mean?

The bottom screenshot shows the same Google Meet window. The presentation slide is titled "Research article writing and publications" and features a portrait of Dr. Raviraj M. Kulkarni. The slide content includes:

- Dr. Raviraj M. Kulkarni**
- M.Sc., Ph.D., Postdoc (Canada & Belgium)
- Professor of Chemistry
- Coordinator, Centre for Nanoscience and Nanotechnology, KLS
- Gogte Institute of Technology, Belagavi-590008



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Number of participants: 55

Identification and addressing the GAP: Adopting the current technologies and modern tools to attain their research goals.

Measurable outcomes: The webinar aims at providing an opportunity to researchers with various research ideas and backgrounds to critically evaluate the validity and reliability of the undertaken researchwork.



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RESEARCH CELL



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Report of Webinar on Literature Survey Organized by Department of Basic Science, DSATM.

Event Name	Webinar on literature Survey
Theme	Research Literature Review and Identifying Research Gap
Date	24/07/2021
Tools Used	Due to the pandemic situation and Karnataka Government guide lines the webinar was conducted online through Zoom Meeting platform

Vision: To discuss the topics related to issues and challenges in Research Methodology, Research Methods, Research Papers, Research Proposals, etc. and exchange research ideas between the expert and participants from various technical and management fields.

Objectives of the Program/ Event:

1. To address the purpose of the literature review , identification Research Gaps and development of L-R Chapter
2. To anticipate what and how research gaps will be identified to choose the research topic.
3. To make clear understanding of literature gaps are only subjective and not objective.
4. To familiarize with structured way of writing LR chapter
5. To hypothesis-studies based on the current scenario

About the Webinar: The webinar aims to design the structural way of identifying research gap discuss the specific procedures used to identify, selection of research papers for chosen research topic.

Resource person


Dr M Mathirajan
Chief Research Scientist
Department of Management studies
IISc, Bengaluru.



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🔊
Zoom ▾
Leave

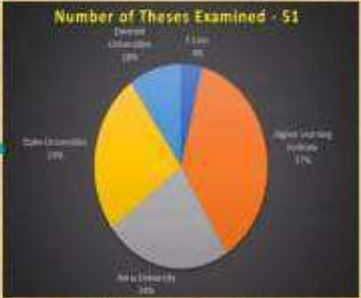
• REC



Zoom Meeting
Joining this meeting

Key Issues in LR Process

Dr. M. MATHIRAJAN
 Chief Research Scientist
 Dept. of Management Studies
 Faculty of Engineering
 Indian Institute of Science
 Bangalore 560 012, INDIA
msdmathi@iisc.ac.in



Category	Percentage
Higher Learning Institutions	37%
Acad. & Research Insts	33%
State Universities	20%
Private Universities	10%

KEY ISSUES : Literature Review (LR), Identification of Research Gaps and Development of LR Chapter

- Unfocussed / Semi-structured Manner
- Literature Gaps are given Subjectively and not Objectively



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Closely Related Literature Review-Deterministic and Dynamic Scheduling of Diffusion Furnace(s) deals with Various Due-date based Scheduling Objectives

Zoom

Leave

Author	Diffusion Furnace as		Dynamic Scheduling				Release Time & Due-date		Solution Methodologies			Due-date Scheduling Objectives		
	Single Machine	Identical Parallel Machine	Non-identical Parallel Machine		With Future Arrival of Jobs	With J-RTE	With R-RTE	With JR-RTE	Agreeable	Non-agreeable	Mathematical Programming		Greedy Heuristic	Meta Heuristic
Uzsoy (1995)	✓				✓				✓					Lmax
Monch <i>et al.</i> (2005)		✓			✓				✓				✓	TWT
Dirk and Monch (2006)		✓			✓				✓				✓	TWT
Monch <i>et al.</i> (2006)		✓			✓				✓			✓		TWT
Maive and Uzsoy (2007)		✓			✓				✓				✓	Lmax
Cheng <i>et al.</i> (2008)		✓			✓				✓				✓	TWT
Kurz and Mason (2008)	✓				✓				✓			✓		TWT
Li and Qiao (2008)	✓				✓				✓				✓	TWT
Li <i>et al.</i> (2009)		✓			✓				✓				✓	TWT
Chiang <i>et al.</i> (2010)		✓			✓				✓				✓	TWT
Kim <i>et al.</i> (2010)		✓			✓				✓				✓	TT
Li <i>et al.</i> (2010)		✓			✓				✓				✓	TWT
Mathirajan and Vimalarani (2012)	✓				✓					✓		✓		TWT
Bilyk <i>et al.</i> (2014)		✓			✓				✓		✓		✓	TWT
This Research Study	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	TWT, NT, OTD rate, TE/L, Lmax

Literature Gaps

To the best of our knowledge, it appears that there is

- ❖ No reported study considering either **job related real time events** and/or **resource related real time events** for dynamic scheduling of single/parallel diffusion furnace(s).
- ❖ No reported study consider the **important real-life information** related to release time and due-date of every job, that is the **non-agreeable release time and due-date**.
- ❖ No reported study addresses **machine eligibility restriction**.
- ❖ No reported study, which focuses **all the due-date based scheduling objectives**: TWT, NT, OTD rate, TE/L, and Lmax as either the single objective or multi objective.
- ❖ No reported study proposed **mathematical model(s)** for dynamic scheduling of (i) non-identical parallel diffusion furnaces with respect to any of the due-date based scheduling objectives and (ii) single diffusion furnace/identical parallel diffusion furnaces with respect to various due-date based scheduling objectives (NT, OTD rate, TE/L, and Lmax) except TWT.
- ❖ No study which **explicitly compares all possible due-date based dispatching rules** such as EDD, FDD, ODD, MOD, CR, MS, COVERT, ATC and/or BATC.
- ❖ No study focuses **meta heuristics** for dynamic scheduling with real time events of diffusion furnace.

This Research Study

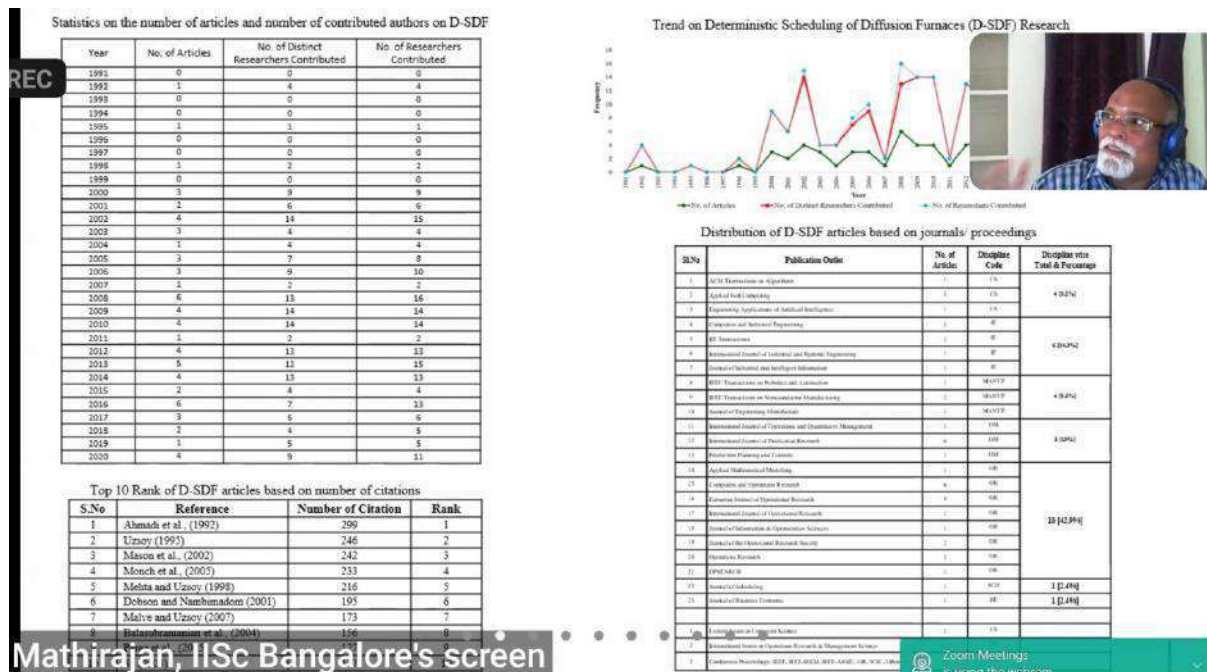
Unmute Start Video Share Participants 68 More

Closely Related Literature Review-Deterministic and Dynamic Scheduling of Diffusion Furnace(s) deals with Various Due-date based Scheduling Objectives

Author	Diffusion Furnace as				Dynamic Scheduling				Release Time & Due-date		Solution Methodologies			Due-date Scheduling Objectives	
	Single Machine	Identical Parallel Machine		Non-identical Parallel Machine		With Future Arrival of Jobs	With J-RTE	With R-RTE	With JR-RTE	Agreeable	Non-agreeable	Mathematical Programming	Greedy Heuristic		Meta Heuristic
		Without Machine Eligibility	With Machine Eligibility	Without Machine Eligibility	With Machine Eligibility										
Uzsoy (1995)	✓					✓				✓			✓		Lmax
Monch <i>et al.</i> (2005)		✓				✓				✓				✓	TWT
Dirk and Monch (2006)		✓				✓				✓				✓	TWT
Monch <i>et al.</i> (2006)		✓				✓				✓			✓		TWT
Malve and Uzsoy (2007)		✓				✓				✓				✓	Lmax
Cheng <i>et al.</i> (2008)		✓				✓				✓				✓	TWT
Kurz and Mason (2008)	✓					✓				✓			✓		TWT
Li and Qiao (2008)	✓					✓				✓				✓	TWT
Li <i>et al.</i> (2009)		✓				✓				✓				✓	TWT
Chiang <i>et al.</i> (2010)		✓				✓				✓				✓	TWT
Kim <i>et al.</i> (2010)		✓				✓				✓			✓		TT
Li <i>et al.</i> (2010)		✓				✓				✓				✓	TWT
Mathirajan and Vimalarani (2012)	✓					✓					✓		✓		TWT
Bilyk <i>et al.</i> (2014)		✓				✓				✓		✓		✓	TWT
This Research Study	✓				✓	✓	✓	✓	✓		✓	✓	✓	✓	TWT, NT, OTD rate TE/L, Lmax



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Number of participants: 79

Identification and addressing the GAP: To design the structural way of identifying research gap discuss the specific procedures used to find it and also addressed about the selection of research papers for chosen research topic.

Measurable outcomes: The webinar aims at providing an opportunity to researchers with various ideas to identifying research gaps in subjective ways to critically and finalize the research topics .



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RESEARCH CELL, Institution's Innovation Council- IIC & Internal Quality Assurance Cell-IQAC



Webinar Report on Research: Initiation, Propagation & Conversion- From Writing To Funding Organized by Department of CIVIL ENGINEERING, DSATM

Event Name	RESEARCH: INITIATION, PROPOGATION & CONVERSION- FROM WRITING TO FUNDING
Theme	Guidelines for Proposal writing & Submission. Learnt to critically evaluate the validity and reliability of the undertaken research work.
Date	Wednesday 30/06/2021
Tools Used	Conducted online through Google Meet platform. https://meet.google.com/nhm-wmde-cke

Vision: To discuss the topics related to issues and challenges in Research: Initiation, Propagation & Conversion- From Writing To Funding and exchange research ideas between the expert and participants from various technical and management fields.

Objectives of the Program/ Event:

1. To address the purpose of the investigation / Research and types of knowledge to be generated to carry out with such work.
2. To anticipate what and how research aim will be achieved by the study.
3. To gain familiarity with a phenomenon of formulate, descriptive and diagnostic research studies.
4. Getting acquainted with proposal writing & Technical paper writing

About the Webinar: The webinar aims to discuss the specific procedures or techniques used to identify, select, process, and analyze information about a chosen research topic.

Resource person:

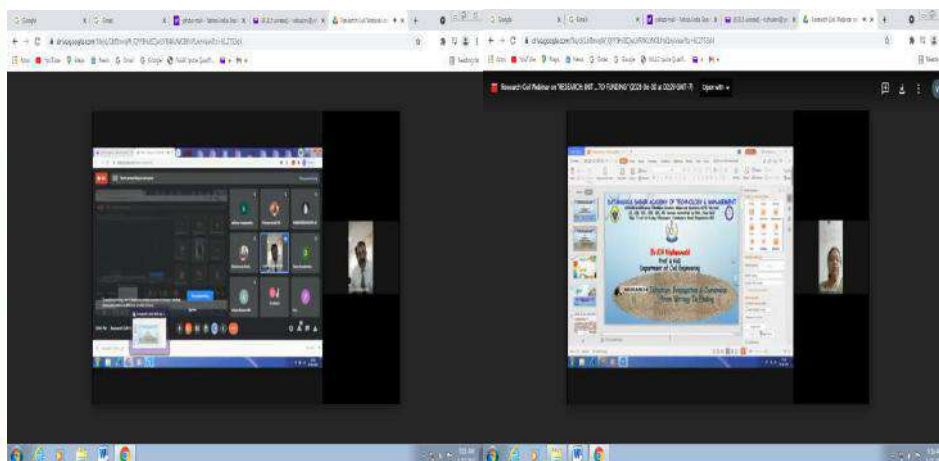
Dr. K N Vishwanath

Professor & Head Department of Civil
DSATM, Bangalore.



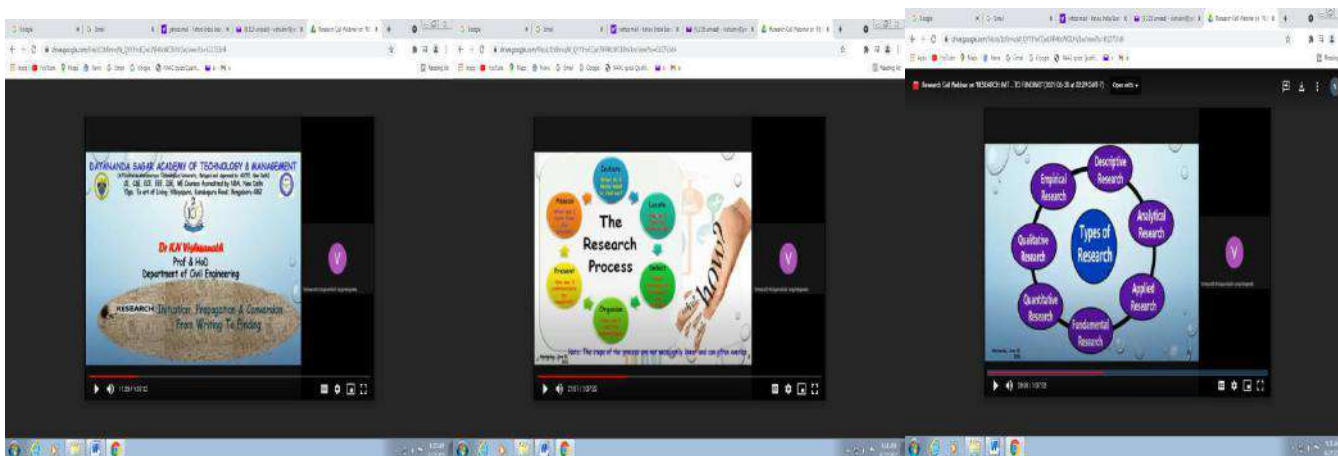
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PHOTO Gallery:



Invitation for the Event

Principal Dr. B R Lakshmikantha & Dean Dr Sumithra Devi KA addressing the participants & initiating the webinar with briefing about Objectives of such event



Stages as Webinar progress



Stages as Webinar progress



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Number of participants: 53

Identification and addressing the GAP: Adopting the current technologies and modern tools to attain their research goals. Creating awareness among young Research scholars at the institution & External Scholars registered under RC of different departments, about the meaning, Purpose, process of carrying out Real time research

Measurable Out Come :

- Faculty understood the basic essential of research & Requisites to be fulfilled before start
- Types of Research, Differentiation among them, Identifying the right one based on the background of the scholar was made clear to participants
- Technical paper writing & writing for proposal submission is deliberated upon



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RESEARCH CELL, Institution's Innovation Council-IIC & Internal Quality Assurance Cell-IQAC



Report on the Webinar on Research Methodology

Organized by Department of ISE, DSATM

Event Name	Webinar on Research Methodology (Online)
Theme	To discuss the specific procedures or techniques used to identify, select, process, and analyze information about a topic. Learn to critically evaluate the validity and reliability of the undertaken research work.
Date	29/05/2021
Tools Used	Due to the pandemic situation and lockdown announced by the Karnataka Government the webinar was conducted online through Zoom Cloud Meeting platform.

Vision: To discuss the topics related to issues and challenges in Research Methodology, Research Methods, Research Papers, Research Proposals, etc. and exchange research ideas between the expert and participants from various technical and management fields.

Objectives of the Program/ Event:

1. To address the purpose of the investigation and types of knowledge to be generated out of one's investigation.
2. To anticipate what and how research aim will be achieved by the study.
3. To gain familiarity with a phenomenon of formulative, descriptive and diagnostic research studies.
4. To familiarize with hypothesis-testing studies.

About the Webinar: The webinar aims to discuss the specific procedures or techniques used to identify, select, process, and analyze information about a chosen research topic.

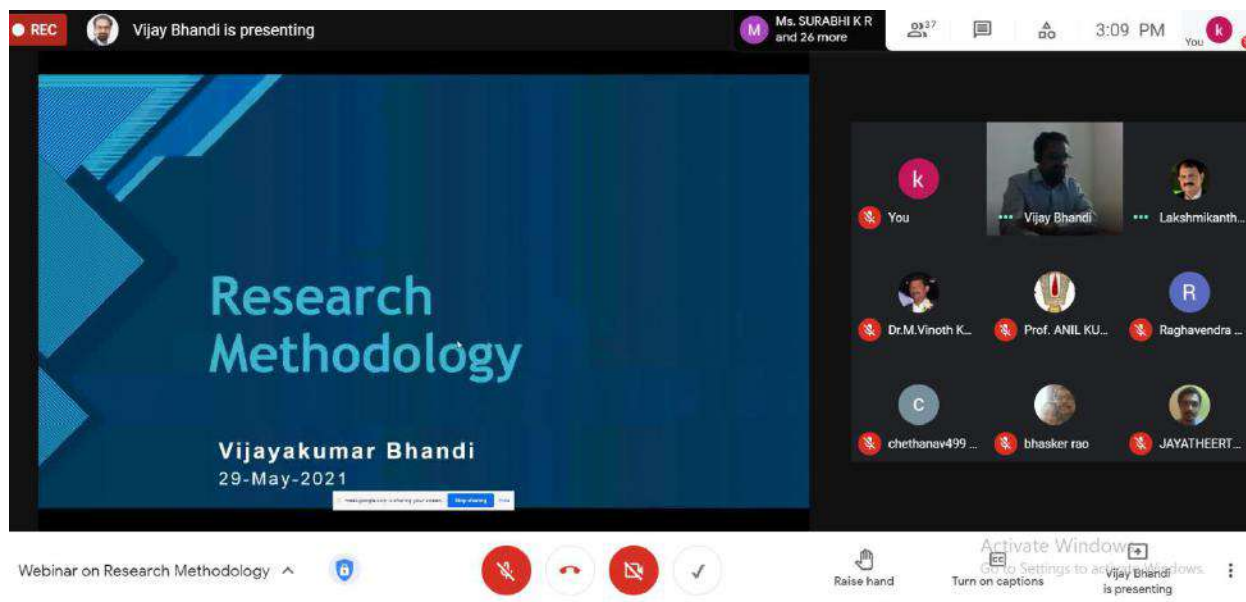
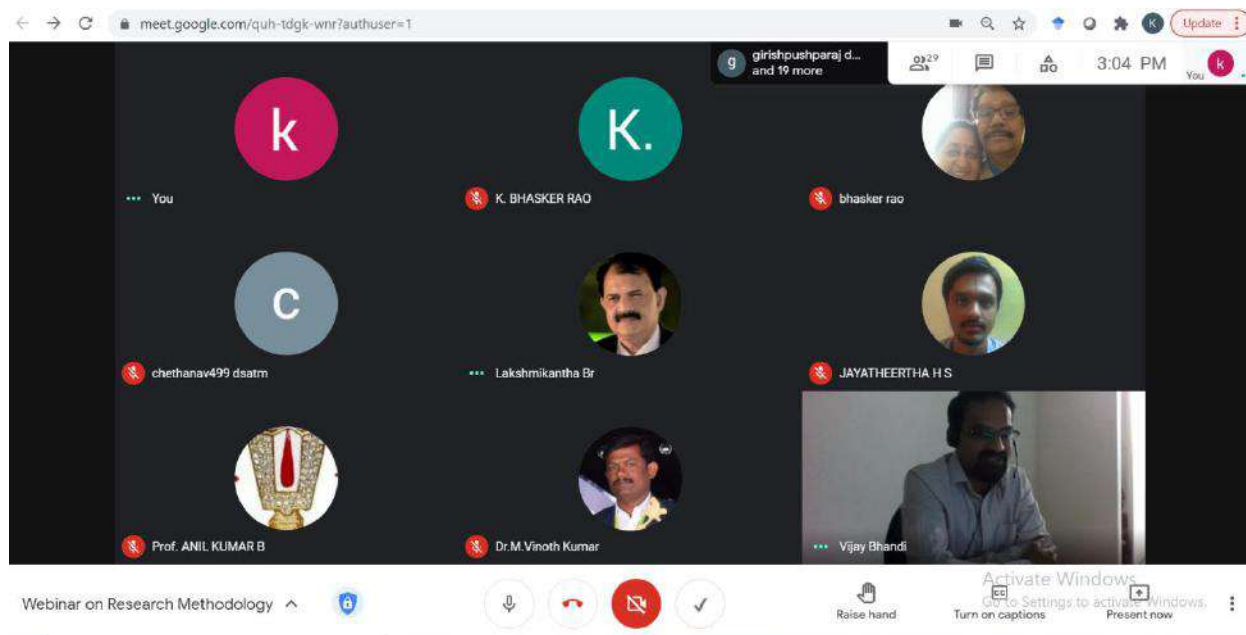
Resource person:

Dr. Vijay Bhandi

Senior Project Manager, Infosys Limited, San Francisco, USA



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Webinar on Research Methodology (2021-05-29 at 02_35 GMT-7).mp4 - VLC media player

Media Playback Audio Video Subtitle Tools View Help

What is Research??

04:47

Activate Windows
Go to Settings to activate Windows.

Type here to search

6:25 PM
6/1/2021

REC Vijay Bhandi is presenting Mahesh V and 32 more 43 3:11 PM You

What is Research?

Conceptually

✓ Research is defined as the orderly search for truth.

Operationally

Research is:

- ✓ An orderly investigation of a defined problem,
- ✓ Using an appropriate scientific method or methods,
- ✓ To gather adequate and representative evidence,
- ✓ Producing conclusions drawn from logical reasoning without bias,
- ✓ That can be validated,
- ✓ Yield general principles or laws that may be applied in similar conditions.

Dr.M.Vinoth K... Prof. ANIL KU... Raghavendra ... Dean Academi... bhasker rao chethanav499 ...

Webinar on Research Methodology

Raise hand Turn on captions Vijay Bhandi is presenting



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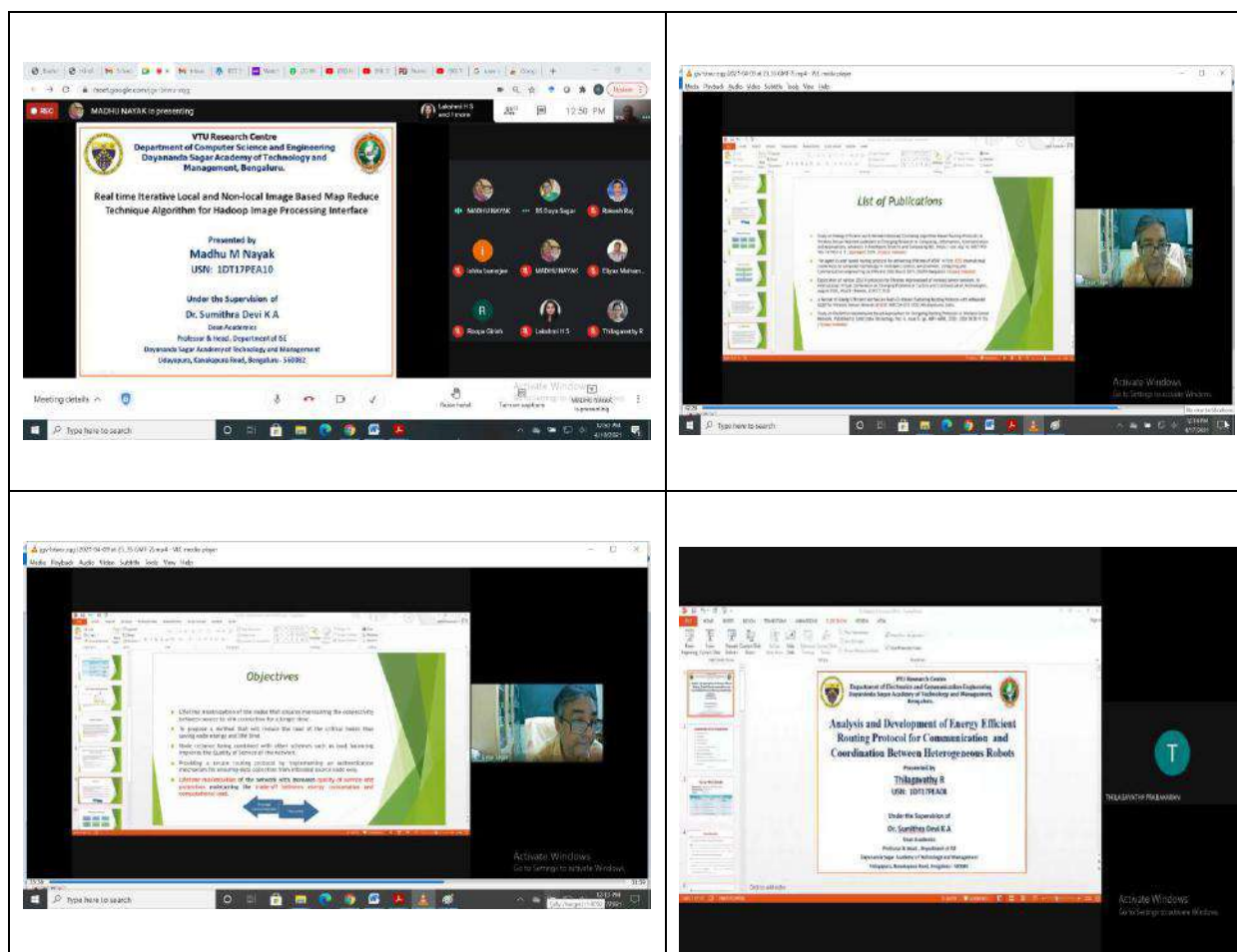


Event Name	Research Conclave 2021
Theme	To create and provide a forum for sharing and exchanging research ideas between the participants and experts from various technical and management fields.
Date	10/04/2021
Tools Used	Class room: track 1-5 Track-6 was conducted online through Zoom Cloud Meeting platform.

Vision: To provide a forum for sharing and exchanging research ideas between the participants and experts from various technical and management fields.

Objectives of the Program/ Event:

- To provide networking opportunity with researchers/industries for the development of collaborative research environment.
- To provide a platform for learning and interacting with eminent speakers from research organizations, industry and academia.



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About the Research Conclave: The conclave aims at providing an opportunity to researchers with various research ideas and backgrounds to get together and promote the development of collaborative research environment by connecting with eminent experts from research organizations, industry and academia.

Resource person: Doctorates from Government and Industrial sector

Number of participants: 70

Identification and addressing the GAP: Adopting the current technologies and modern tools to attain their research goals.

Measurable outcomes: Exhibiting their current research work encourages the researchers to exchange their ideas and seek advice from experts of different organizations, institutions and R&D Centers.



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EVENTS UNDER RESEARCH CELL - 2020

S.N	Date	Event	Resource Person
1	12-12-2020	Research Methodology	Mr. V K Srirama Assistant Professor Department Of MBA DSATM, Bangalore
2	11-11-2020	A Webinar On Quality research paper presentation and publications	Dr. V Krishna Murthy Research Professor, Dayananda Sagar University
3	08-10-2020	10 day FDP on Research Orientation	Pravin Chandra KR Professor in community medicine SDM Medical College, Dharwad Dr. V Krishna Murthy Research Professor, Dayananda Sagar University Dr. VanishreeRupanagudi Professional science educator Dr.Seematharannum Associate Professor at PES University Bengaluru, Karnataka, India Dr. Vijay Bhandi Senior Project Manager, Infosys Limited, San Francisco, USA Dr. Vanishree Rupanagudi Freelancer, Bengaluru



Research Cell, IQAC – DSATM (VTU)

Event Name	Refresher Program on Research Methods
Theme	Research Methods
Date	12-12-2020
Venue	Online Platform – Zoom

Objectives of the Program/ Event

- Providing a preparatory guidance for PhD aspirants across Universities
- To introduce the fundamental concepts of research methodology to all the participants
- To introduce various application avenues of research to the participants

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Data Collection <ul style="list-style-type: none">• Types of data – primary vs. secondary• Data collection – Concept• Secondary data collection• Primary data collection• Data Collection instruments	Concept of Hypothesis and Hypothesis Testing <ul style="list-style-type: none">• Meaning• Concept of Null and Alternative Hypotheses• Framing• Procedure – Steps in Hypothesis testing

Details about the event:

- Number of participating Institutions = 15
- No. of Participants = 30 +
- Participants were from across 10 streams including various branches of Engineering, Management, Higher Education, Computer Applications
- Fundamental concepts and applications related to research methodology were discussed with illustrations.
- Relevant questions formats were discussed and clarifications were provided to all the queries.





Research Cell, IQAC – DSATM (VTU)

Measurable outcomes:

- Trainer Competence was rated as very high by 55% of participants, high by 45% of participants
- Conceptual clarity was rated as very high by 55% of participants, high by 45% of participants
- Content quality was rated as very high by 50% of participants, high by 45% of participants, moderate as 5% of participants
- Overall effectiveness was rated as very high by 60% of participants, high by 40% of participants

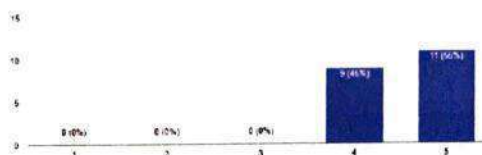
Rate the competence of the trainer



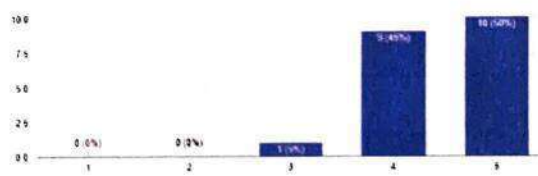
Relevance of training content to the theme



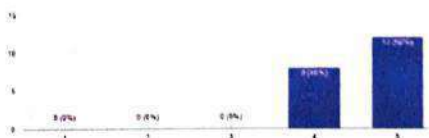
Clarity of concepts taught



Quality of Training Content used



Overall effectiveness of the webinar





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Event Name	Webinar On Quality Research Paper Preparation and Publications
Theme	Faculty Development Programme
Date and Time	11-11-2020, 3.00 PM
Venue	A Block: 4th Floor, Seminar Hall Webinar Link: https://meet.google.com/dvm-bkyk-hys

Objectives of the Program/Event:

- To enhance the outlook of the faculty members of DSATM for Quality article writing and publications in key domains of research, professionalism and to improve the academic performance of learners.
- To motivate the faculty members in taking for quality paper publications in peer reviewed Scopus index journals

Photos:



Purpose:

To motivate the faculty of DSATM to prepare and publish Quality research paper in good impact factor journals.

Resource Persons:

1. Dr. K.N. Balasubramanya Murthy, Vice Chancellor, DSU, Bengaluru
2. Dr. V. Krishna Murthy, Research Professor, DSU, Bengaluru

Preferably Measurable Outcome:

- Quality paper publications

Convener:

Dr. K. Karibasappa, ECE Dept.

Coordinators:

Dr. M. Kusuma, ISE Dept.
Dr. Madhumathi P, ECE Dept.
Dr. Vatsala G A, Maths Dept.
Dr. Sahana R, Civil Dept.



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Event Name	TEN DAYS FACULTY DEVELOPMENT PROGRAM ON RESEARCH ORIENTATION
Theme	Faculty Development Programme
Date	08-9-2020 to 18-9-2020
Venue	A Block: 4 th Floor, Seminar Hall Online Using Link to Register: https://forms.gle/zmmfp9HPPGYav1r5A Event Link: Google meet https://meet.google.com/yhc-zfji-azt
Convenor: Dr. K. Karibasappa	

Objectives of the Program/Event:

- Enhance the quality and skill of researchers with their researches.
- To emphasize on broad range of techniques available in research methods, sampling and data analytics for academicians and researchers.
- To write and submit quality Project Proposals for Grant Agencies
- To sensitize the researchers regarding the Patent Application Procedure
- To motivate the faculty members in taking up Interdisciplinary Research work

Photos:



Purpose:

The Research orientation is a learning program that revolves around critical thinking, creative working and practical application in research. The main purpose of research is to contribute for developing knowledge in a field or study. This program in higher educational institutions motivates the faculty members and students to involve in research activities.

About the topic: The Resource persons covered the following topics

Date	Topics	Resource Person
08-9-2020 (Tuesday) 10:30 AM	How to do research: A practical Approach with an example	Dr. Gurunath Gurralla Department of Electrical Engineering Indian Institute of Science Bengaluru
08-9-2020 (Tuesday) 2.30 to 4.00 PM	Research – Meaning: Why? What? Problem Statement	Dr. V. Krishna Murthy Research Professor Dayananda Sagar University (DSU) Bengaluru
09-9-2020 (Wednesday) 2.30 to 4.00 PM	Literature Survey Hypothesis & Objectives	Dr. V. Krishna Murthy(DSU)
10-9-2020 (Thursday) 2.30 to 4.00 PM	Material & Methods Sample, Sampling & Data Analysis	Dr. V. Krishna Murthy (DSU) Dr. Vanishree Rupanagudi Freelancer, Bengaluru
11-9-2020 (Friday) 2.30 to 4.00 PM	Results & Discussion Summary & Conclusions	Dr. V. Krishna Murthy(DSU)
12-9-2020 (Saturday) 2.30 to 4.00 PM	Hypothesis Testing, Chi-Square test, ANOVA	Dr. K. R. Pravin Chandra Professor, Dept. of Community Medicine SDM Medical College, Dharwad
14-9-2020 (Monday) 2.30 to 4.00 PM	Misconduct in Research	Dr. Seema Tharannum Associate Professor, PES University, Bengaluru
15-9-2020 (Tuesday) 2.30 to 4.00 PM	References, Citation Styles Articles: Title Abstract, Keywords & Introduction	Dr. V. Krishna Murthy(DSU)
16-9-2020 (Wednesday) 2.30 to 4.00 PM	Project Proposal Writing & Submission Grant Agencies	Dr. V. Krishna Murthy(DSU)
17-9-2020 (Thursday) 2.30 to 4.00 PM	Patents, Copyrights, Trademark	Dr. Seema Tharannum (PES)
18-9-2020 (Friday) 2.30 to 4.00 PM	Profession and Professionalism Values, Ethics & Morals;	Dr. V. Krishna Murthy(DSU)
Sessions are with interactive and participative in nature with Questioner and Quiz.		

Address of the Gap:

Adopting the latest research methods using **Hypothesis Testing, Chi-Square test, ANOVA.**

Preferably Measurable Outcome:

- Project Proposal Writing and submission to grant agencies



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EVENTS UNDER RESEARCH CELL - 2019

S.N	Date	Event	Resource Person
1	27-04-2019	Technical session on Space Communications- Telemetry, Tracking and Command	Mrs. Smitha K S Deputy Project Director, Integrated Vehicle Health Management ISRO, Thiruvananthapuram
2	10-05-2019	Funded Project Proposal Meeting	Dr. Ranjith Krishna Pai Principal Scientific Officer/Deputy Secretary Technology Mission Division, DST, New Delhi



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RESEARCH CELL(EVENTS)

Event Name	Space Communications- Telemetry, Tracking and Command
Theme	Technical training
Date	27/04/2019 from 10AM to 11AM
Venue	A Block, Seminar Hall, DSATM

Objectives of the Program/ Event:

The objective of the event is to let the faculty's and students know about design, construction, implementation and testing of a RF subsystem to be used on a digital communication link. The **telemetry, tracking**, and control (TT&C) subsystem of a **satellite** provides a connection between the **satellite** itself and the facilities on the ground. The **purpose** of the TT&C function is to ensure the **satellite** performs correctly.

Purpose: To create awareness about various opportunities in Space Communication.

About the topic: Trainer covered the following topics

- Basics of Space Communication
- Telemetry of a satellite
- Tracking of a satellite
- Control subsystem of a satellite
- Purpose of TT&C in control subsystem
- Controlling of spacecraft by the operator on Earth
- Receive the uplink commands, process and send them to other subsystems for implication.
- Various opportunities for electronics in Space communication sector
- Integrated Vehicle Health Management System

Dr. B. L. S. Sankaranarayanan
Principal / Director
Dayananda Sagar Academy of
Technology & Management
Udayapura, Kanakapura Road
Opp. Art of Living, Bangalore - 560 082

Resource Person: Mrs. Smitha KS

Deputy Project Director, Integrated Vehicle Health Management
ISRO, Thiruvananthapuram.

Preferably Measurable outcomes: All participants gained knowledge on Space Communication regarding the following topics:

- Understand basics of Space Communication.
- Describe the Telemetry, Tracking and Control subsystem of a satellite.
- Solve various doubts regarding space communication

Photos:





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RESEARCH CELL (EVENTS)

Event Name	Funded Projects
Theme	The ability to successfully execute funded projects
Date	10/05/2019 from 10.30AM to 11.30AM
Venue	A Block, Seminar Hall, DSATM

Objectives of the Program/ Event:

To provide a forum for transition of ongoing research and advanced techniques adapted in the field, to the budding engineers, research scholars and faculty members.

Purpose: To get the awareness among all students and faculty members about various funding opportunities in DST to build their research further.

About the topic: Funding projects

Resource Person: Dr. Ranjith Krishna Pai

Principal Scientific Officer/Deputy Secretary Technology Mission Division,
DST, New Delhi

Preferably Measurable outcomes: Many faculty members who attended this event gathered information needed for applying for various DST funded projects.

Photos:



Dr. B. R. ...
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