

**Avinashilingam Institute for Home Science and Higher Education for Women  
Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD (now MoE)  
Re-accredited with 'A++' Grade by NAAC.CGPA 3.65/4, Category I by UGC  
Coimbatore-641 043, Tamil Nadu, India**



**Report of the  
Sixth Short Term Capacity Building Program  
on**

**Research Ecosystem & Technology**

**Organised  
by**

**AIU – Avinashilingam Institute – Academic and  
Administrative Development Centre (AIU-AI-AADC)  
&  
Research and Development Cell (R&D)**

**28.8.2023-1.9.2023**

**Mode : Online**



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### **AIU-AI-AADC**

Sixth Short-Term Capacity Building Programme on

**'Research Ecosystem and Technology'**

**28.08.2023 to 01.09.2023 ( 5 Days) - Online Mode**

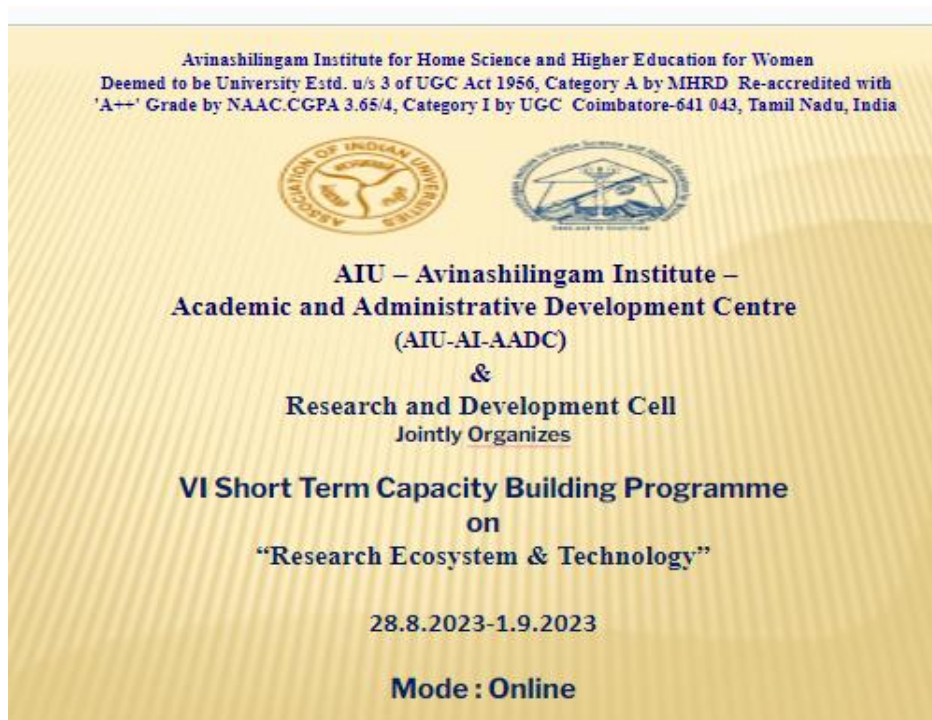
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**on**  
**RESEARCH ECOSYSTEM AND TECHNOLOGY**  
**Organised**  
**by**  
**AIU-AI-AADC & Research and Development Cell**



**(28 August 2023 to 1 September 2023)**

## **Report of the Sixth Short Term Capacity Building Program on RESEARCH ECOSYSTEM AND TECHNOLOGY (28 August 2023 to 1 September 2023)**

### **Organised by AIU-AI-AADC & Research and Development Cell**

The AIU-AI-AADC (Association of Indian Universities - Avinashilingam Institute - Academic & Administrative Development Centre) and **Research and Development Cell**, Avinashilingam Institute for Home Science and Higher Education for Women organized sixth Short Term Capacity Building Program on Research ecosystem and Technology from 28<sup>th</sup> August to 1<sup>st</sup> September 2023. This five-day program was designed to equip aspiring researchers with essential skills and knowledge to thrive in the dynamic world of research. This short-term program aimed to empower the participants with insights into the research ecosystem, cutting-edge technologies, and best practices that will bolster the quality and impact of research projects.

#### **Objectives :**

The program was aimed at understanding the research ecosystem, research methodologies and techniques, Research ethics and integrity, policies and guidelines for research, research processes and research outcome with multi-fold objectives:

- ♣ **To familiarize participants with scientific research processes and tools**
- ♣ **To promote ethical research practices**
- ♣ **To explore how technology is transforming the research landscape**
- ♣ **To enhance participants' research writing and communication skills**
- ♣ **To provide insights into data management best practices**
- ♣ **To educate participants on intellectual property rights, patent filing procedures, and commercialization of research outcomes.**
- ♣ **To encourage interdisciplinary collaboration among researchers and promoting a strong professional network**

75 participants from various higher education institutions (HEIs) attended the program in virtual mode.

**28<sup>th</sup> August 2023 - Day 1**

### **Inauguration session:**

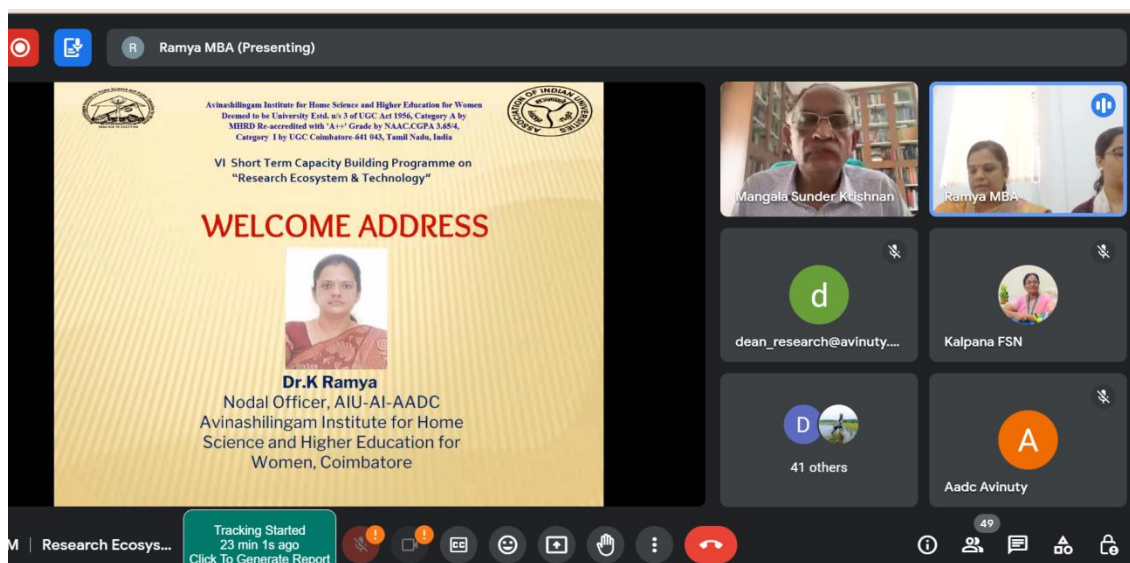
The program was formally inaugurated with prayer song .

Welcome address was given by Dr. K Ramya, Nodal officer, AIU-AI-AADC.

Dr. C.A. Kalpana, Deputy Dean School of Home Science and Professor in Department of Food Science and Nutrition was an Organizing member of the Program for the Day 1.

Moderator of the program was Ms. Akila, Research Scholar, Department of Chemistry.

**The Inauguration session started with briefing** about the Five-day Short Term Capacity Building Program.



Dr. P. Lalitha, Director R & D, greeted and elaborated about the 5 days Short Term Capacity Building Program. Madam also wished and congratulated to all the participants of the program and explained about the research process and research outcomes. She also had mentioned briefly about the session structures from Day 1 to Day 5.

## Special Address:

Special address was delivered by Dr. Mangala Sunder Krishnan, Department of Chemistry, Indian Institute of Technology, Madras, Tamil Nadu.

Dr. Mangala Sunder Krishnan had elaborated about Research Methodology and Technology Tools:

- The need to communicate science- importance for decision making socially, economically and politically and also for community.
- The modes of communication – from the discovery of agriculture to the science and innovation as new age of man and the evolution.
- The excitement and the recognition.
- Books and monographs
- Research publications and the proliferation of journals – quality of Research article is critically dependent on the significance of the problem and clarity of the problem statement.
- Copyrights and plagiarism
- Patents

He also mentioned about good quality publication, instead of publishing large number of publication, publish paper in good quality journals.

Sir had given a wonderful take home message **“you will be known and remembered not for the hundred pieces that you discovered by the one piece that most people would find useful in their lives”**

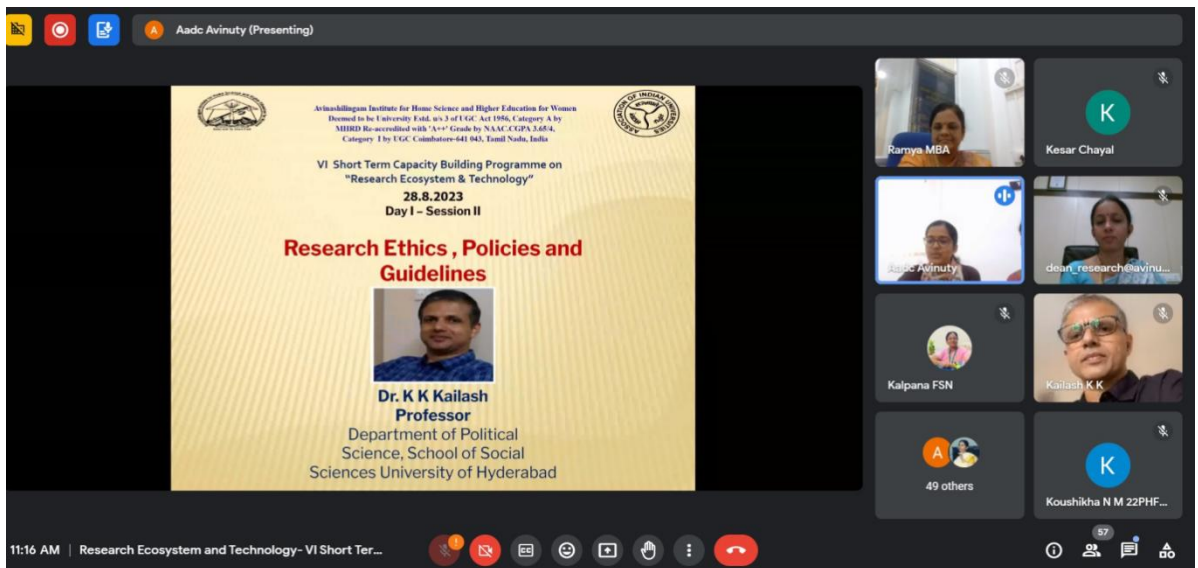
## Session II

### RESEARCH ETHICS, DILEMMAS AND RESPONSIBILITY

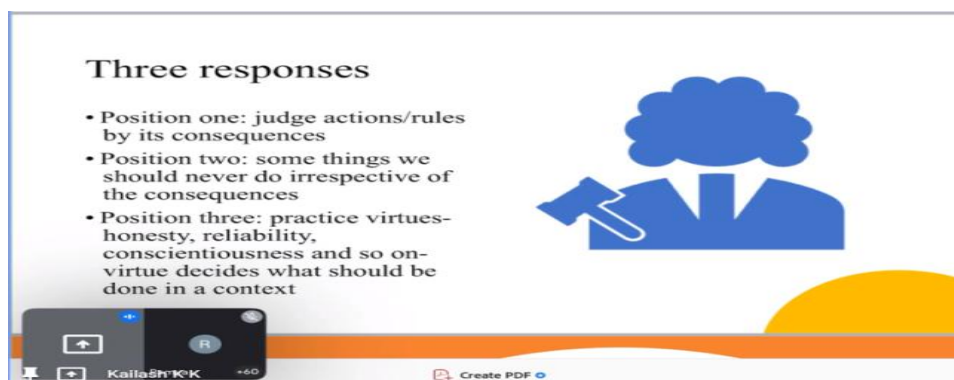
Dr. KK Kailash, Professor

Sir started his talk about 3 communities in Research-

- Larger public
- Secondary community
- Collaborators and peers



Dr.KK Kailash had elaborated “motive” of research but which can also affect in research ethics. Motive of research is due to professional requirement, degree, employment, promotions and recognition, ranking and funding etc. He also mentioned about Rationalisation and Responsibility of Research- data should be more transparent to the public, more transparency will be more productivity of research and explained about “FAIR” – Findable, Accessible, Interoperable and Reusable. These four (FAIR) makes more transparency in data and advantages of transparency and also discussed about Resolving Ethical Dilemmas by three responses/sins/issues –

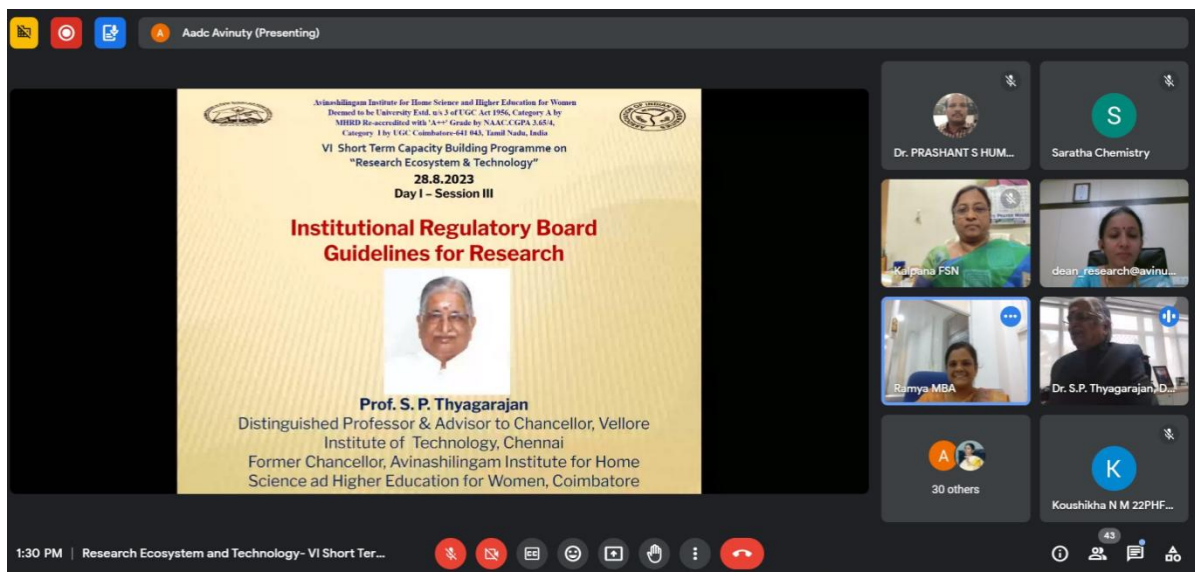


### Session III

## INSTITUTIONAL REGULATORY BOARD GUIDELINES FOR RESEARCH

Prof.S.P.Thyagarajan, Distinguished Professor & Advisor to Chancellor, VIT Universities

Professor started with the History of Research-started from World War II and explained about Gas Experiment, Freezing Experiment. The Evolution of Research Ethics was explained in a brief manner stating the codes, Guidelines and regulations developed to observe the rules of the road for research involving human participants. He also explained about the Council for International Organizations of Medical Science (CIOMS) Guidelines – Informed consent, research in developing countries, protection of vulnerable populations, distribution of the burdens and benefits and role of ethics committees. sir mentioned about Fundamental Ethical Principles to Local Guidelines and Guidelines of Bio-Medical Research involving human subjects should be based on 4 ethical principles i.e., Autonomy, Beneficence, Non-maleficence, Justice. Professor elaborated that it is mandatory that all proposals on biomedical research involving human subjects should be cleared by appropriately constituted Institutional Ethics Committee(IEC) / Institutional Review Board(IRB) and mentioned about the four phases of clinical trials.



#### **Session IV:**

#### **FACILITIES FOR RESEARCH AND DESIGN EXPERT SOFTWARE**

I had the privilege of highlighting the facilities of Research in India and also Research facilities in our University and mentioned about I STEM, Turnitin and Researgence software and also highlighted Information management system to help scholars for selection of journals. A short video of Research facilities available in our

university (Prof. C.N.R Rao Centre, Advance Research Laboratory, Textile Production Laboratory and other PG and Research Laboratories ) was projected by Dr.Lalitha.

Ms. PonNivetha, Research Scholar, Department of Chemistry, explained about Response Surface Methodology (RSM) using Design Expert (DoE) version 13. She explained DoE as structural method for studying a product, process or system and demonstrated about optimization with appropriate examples.

Ms.PonNivetha also explained about methods of experimentation, types of DoE, principles of RSM and its advantages – systematic, rigorous, less laborious, saves time and money, ensures formulation qualities, reduces wet lab trials and showed a short video on how to do optimization by using DoE software with examples in various fields.

Pre-assessment questions (form) were sent to all the participants before the sessions and feedback link was sent after each session.

## Information Management System

- **Research management - e-campus software**
- **institutional software -11 modules including research**
- **module to collect and manage research-oriented information, databases, publications, research projects, fellowships, collaborations, patents, thrust areas, innovations etc. aligned with the institution's research policies**

3:23 PM | Research Ecosys...

Tracking Started  
2 hr 1 min 56s ago  
Click To Generate Report

54

## Response Surface Methodology (RSM)

- RSM explores the relationships between several explanatory variables and one or more response variables.
- The method was introduced by George E. P. Box and K. B. Wilson in 1951.
- The main idea of RSM is to use a sequence of designed experiments to obtain an optimal response
- With RSM, a series of full factorial designs are run to map response and generate mathematical equations
- **Design of Experiments**
  - Customize trial runs
  - Minimize number of trials
  - Saves time, resource, money
- **Significance**
  - Predict contributing parameters
  - Get relative significance of each factor
  - Know the type of effect (+ve/-ve)
- **Optimization tool**
  - Get the maximum, minimum or a desirable outcome

4:05 PM | Research Ecosys...

Tracking Started  
2 hr 43 min 56s ago  
Click To Generate Report

53

**Import Data Set Design**

The tool is for importing existing data. Follow these steps:

1. Copy your data set from the source location (Microsoft Excel, Design Expert, etc.).
2. Click **Paste From Clipboard**.
3. Right-click on the column headers to define the properties.
4. Right-click on each column header to define its properties.

	Factor 1 A/B	Factor 2 C/D	Factor 3 E/F	Factor 4 G/H	Factor 5 I/J	Factor 6 K/L	Response 1 M
1	89.3	234.789	2326	1995	107620	100	49152
2	89.3	238826	2325	1476	10964	100	41152
3	89.2	238854	3802	1670	108773	100	40771
4	89.2	238899	2021	1090	110820	100	41782
5	89.2	302872	2009	3094	110878	100	43271
6	89.1	348989	1922	3094	110776	100	43689
7	89	369892	1978	2547	110968	100	43073
8	100	387112	3378	3090	110776	100	43781
9	101.2	387668	2941	3090	110968	100	43089
10	100.4	417100	1822	2871	110776	100	43927
11	108.4	442789	2379	2791	121090	100	40111
12	116.8	448446	4481	2871	120968	100	40989
13	112.8	482704	3873	2572	121090	100	40844
14	114.2	512957	2871	1844	120968	100	40989
15	115.2	618710	4090	1821	119968	100	40417

**29th August 2023 - Day 2**

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VI Short Term Capacity Building Programme on  
"Research Ecosystem & Technology"

**Day 2 sessions in Brief**

**Day 2 - Session I** *Conducting Review of Literature using R programming and simple referencing methods*  
Dr. Kuralarasan Kumar Ghent University, Belgium

**Day 2 - Session II** *Turnitin and Grammarly Software* Ms. J. Geetha,  
Information Scientist, Avinashilingam Institute

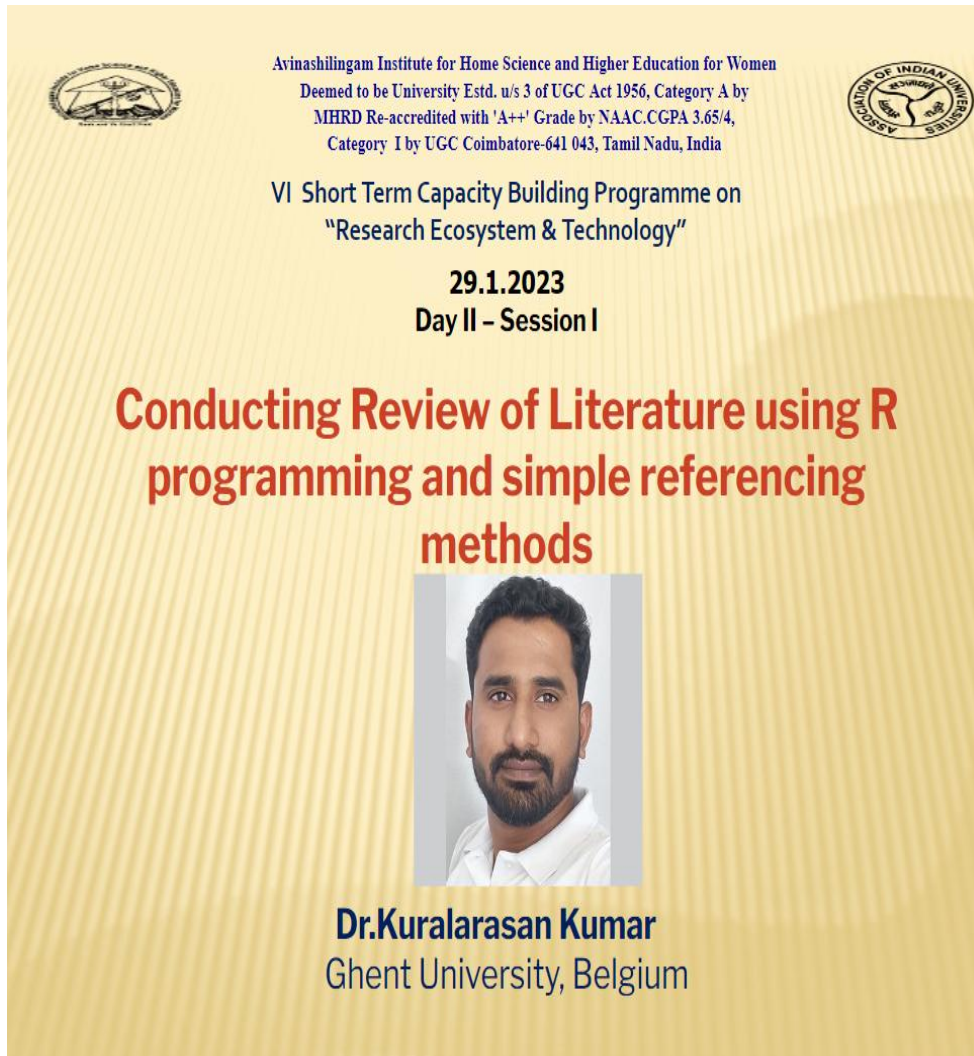
**Day 2 - Session III** *Open Research* Dr. M. V. Subha, Anna University  
Regional Campus, Coimbatore

**Day 2 - Session IV** *"End Note Magic: Research Management Unleashed"*  
Dr. Fazlunnisa. H Ph.D  
Assistant Professor, Department of Library & Information Science,  
University of Madras

## Session 1: Tools for Data Collection

Resource by **Dr Kuralarasan Kumar, Ghent University, Belgium**

**Dr Kuralarasan Kumar** is a postdoctoral fellow in quantitative criminology at the Institute for International Research on Criminal Policy (IRCP), Ghent University. His research focuses on location choice of offenders, spatial and temporal patterns of crime, crime prevention, community policing and fear of crime. His expertise in utilizing statistical tools for his research study was envisaged from his deliberations on two very update tools for research referencing software namely 'Zotero' and the 'R software'. A demonstration of the utility of both the software was done online by the speaker.




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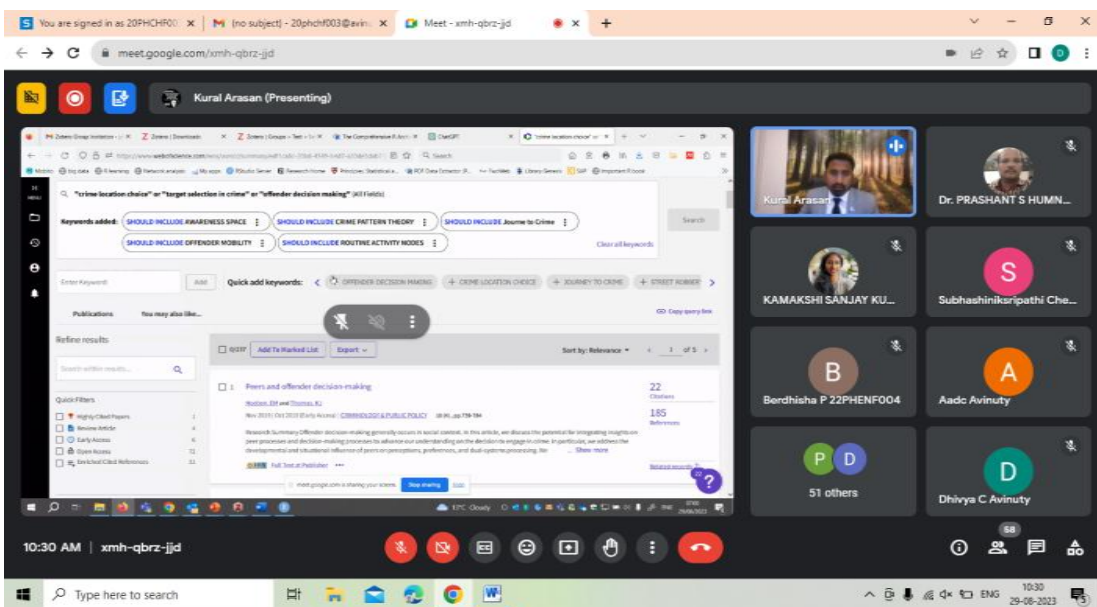
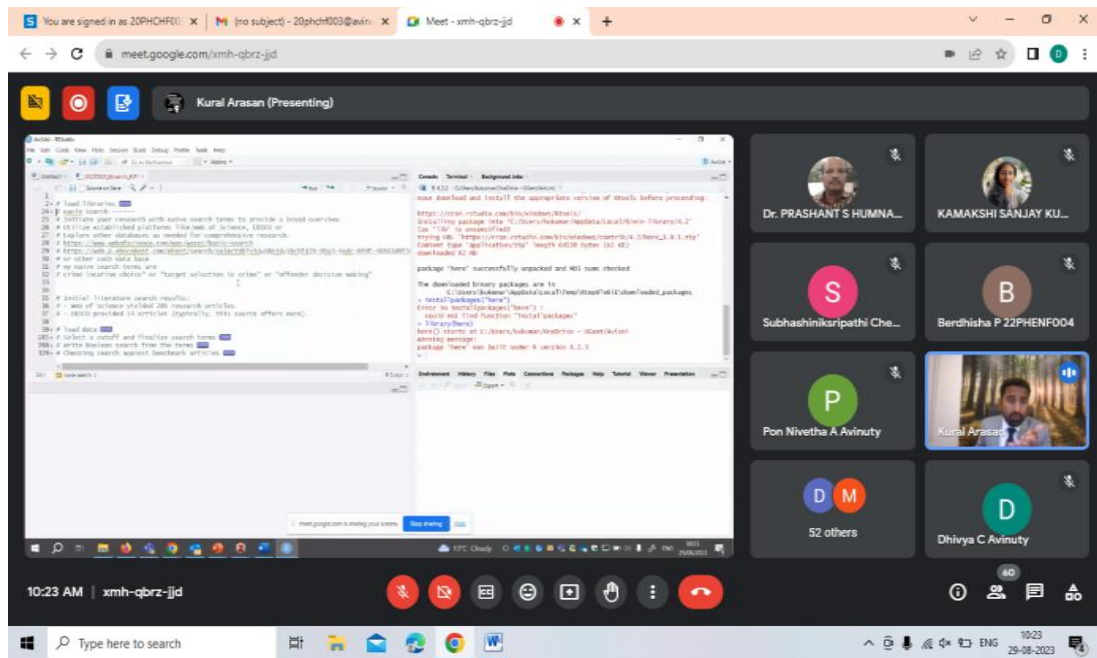
VI Short Term Capacity Building Programme on  
"Research Ecosystem & Technology"

**29.1.2023**  
Day II - Session I

**Conducting Review of Literature using R  
programming and simple referencing  
methods**



**Dr. Kuralarasan Kumar**  
Ghent University, Belgium



## Session 2: Turnitin and Grammarly Software

### Resource by Mrs. J.Geetha

### Information Scientist, AVINUTY

The utilization and benefits of Turnitin with special focus on plagiarism and Grammarly software for text check in preparation of a scientific article was explained by Mrs.Geetha.

She clarified all queries of participants

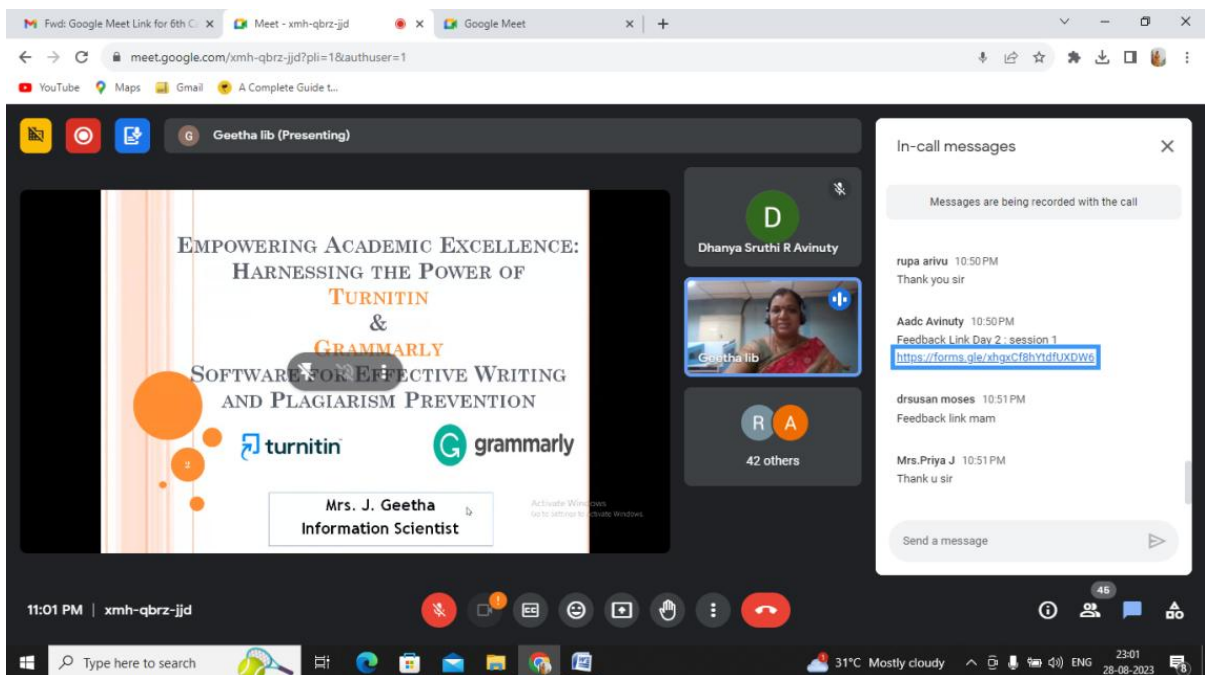

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**VI Short Term Capacity Building Programme on  
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**29.8.2023**  
**Day II – Session II**

## Turnitin and Grammarly Software



**Ms.J.Geetha**  
 Information Scientist  
 Avinashilingam Institute for Home  
 Science and Higher Education for  
 Women, Coimbatore



The screenshot shows a Google Meet interface. The main window displays a presentation slide titled "EMPOWERING ACADEMIC EXCELLENCE: HARNESSING THE POWER OF TURNITIN & GRAMMARLY SOFTWARE FOR EFFECTIVE WRITING AND PLAGIARISM PREVENTION". The slide includes logos for Turnitin and Grammarly and identifies the presenter as "Mrs. J. Geetha, Information Scientist".

On the right side, there is an "In-call messages" window. It shows a list of messages from participants:

- rupa arivu 10:50 PM: Thank you sir
- Aadc Avinuty 10:50 PM: Feedback Link Day 2 : session 1 <https://forms.gle/zhqxcfshytdlUXDw6>
- drsusan mooses 10:51 PM: Feedback link mam
- Mrs.Priya J 10:51 PM: Thank u sir

The bottom of the screen shows the Windows taskbar with the time 11:01 PM, date 28-08-2023, and weather 31°C Mostly cloudy.

### Question asked by Participants

1. Does turnitin has the option to find out?
2. Can Turnitin's AI feature identify any assistance that is provided by grammarly?
3. Which is better Quillbot/Turnitin?
4. Does the software team have access to our material? what about the confidentiality of the reports that are uploaded in Grammarly?

Currently our scholars are submitting manuscripts for similarity check. Will the language correction also be additionally given to them along with the report?

5. What about when the thesis is already uploaded in the plagiarism checker and thereafter the research papers from that very thesis comes out to be plagiarised? How to avoid that?
6. Can we remove self plagiarism in turnitin?
7. Has Grammarly signed NDA with us during the purchase?

### **Session 3: " Open Research"**

**Resource by Dr M.V.Subha**

**Associate Professor**

**Department of Management Studies**

**Anna University Regional Campus, Coimbatore**

Dr M.V.Subha, Associate Professor, Department of Management Studies, Anna University Regional Campus, Coimbatore presented a vivid talk on Open Research and its significance.

The advantages, disadvantages and barriers to open access publishing were also elaborately discussed.

#### **Question asked by Participants**

- 1) What is impact factor, what criteria is there for good impact factor of a journal?
- 2) Any journal which is online is considered as open access journal?
- 3) What is your suggestion to young researchers in choosing the right journals that stay in indexed databases?
- 4) Is using Chat GPT safe?



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"Research Ecosystem & Technology"

**29.8.2023**  
Day II – Session III

**Open Research**



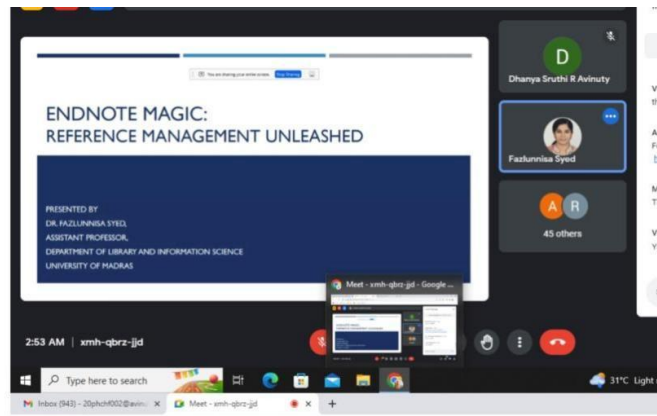
**Dr. M.V Subha**  
Associate Professor  
Department of Management Studies  
Anna University Regional Campus, Coimbatore

## Session 4: " End Note Magic- Reference Management Unleashed"

Resource by Dr Fazzinussa

Asst.Prof., Department Library Information and Science,  
University of Madras

Dr Fazlunnisa, Asst.Prof., Department Library Information and Science, University of Madras introduced Clarivate Analytics and End Note Software Management with a demonstration of the software. She talked on the popular styles of citations with examples.



### Question asked by Participants

- Is reference writing styles and citations style is same?
- Is endnote free of cost? or we have to purchase
- On the basis of impact factors how can we identify the good journals? is there any range of impact factors
- how can we improve our citations no.
- how much does it cost to access web of science?....as an individual attempt
- Some journal require to cite in terms of numerical instead of by author name, so what should be done in reference manager?
- can you please share insight on paraphrasing

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VI Short Term Capacity Building Programme on  
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29.8.2023  
Day II – Session IV

**"End Note Magic: Research Management  
Unleashed"**




**Dr. Fazlunnisa. H**  
Assistant Professor  
Department of Library &  
Information Science  
University of Madras

**30<sup>th</sup> August 2023 - Day 3**



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VI Short Term Capacity Building Programme on  
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**Day 3 Sessions in Brief**

**Day 3 - Session I Researgence RIMS**  
Shri.Cedric Joseph, CEO CIntelligence

**Day 3 - Session II-IPR, Patents and Copyrights**  
Dr.Bharat N.Suryawanshi  
Assistant Controller of Patents & Designs

**Day 3 - Session III- Statista: Research database**  
Shri.Stani John, Statista India Private Limited DLF Phase 5, Gurugram,  
Haryana

**Day 3 - Session IV-"Literary Research Trends: Doing Environmental Humanities"**  
Dr.Pramod K. Nayar Professor, Department of English, University of  
Hyderabad

### **Session 1 - 9.30 - 11.30 AM**

Researgence RIMS by Shri. Cedric Joseph M, CEO C Intelligence

The session commenced with Shri. Cedric Joseph extending a warm welcome to all attendees, including dignitaries, faculty, staff and research scholars. He briefly narrated his

journey, from starting as a patent consultant to expanding into research and publication analyst.

The speaker emphasized the significance of intellectual property, especially patents, as means to protect and give ownership to creative ideas. He explained how companies like C

Intelligence assist R& departments in assessing the patentability of new ideas. During the presentation, he touched upon the connection between patents and publications. He highlighted that choosing to become a research scholar signifies a commitment to independent research, innovation, and creativity. He emphasized the

need for in-depth knowledge in the chosen research area and discouraged shortcuts facilitated by search engines like Google. He stressed the importance of critically reading research papers, respecting the contributions of others while identifying gaps that your work can fill. He mentioned the significance of applying suitable research methods and rigorously exploring problem-solving approaches. The speaker continued the session by introducing the National Institutional Ranking Framework (NIRF), a ranking system established by the Government of India to assess research organizations in the country. The calculation for quantitative research was outlined briefly, underscoring the importance of both publication and citation metrics in determining an institution's ranking.

Continuing the presentation, he discussed the significance of Web of Science and Scopus as authentic sources for accessing journals. He then introduced the institutional research repository called "Researgence" which was developed by C Intelligence in response to a mandate from the Chancellor, Dr.S.P.Thyagarajan. The purpose of "Researgence" is to create a comprehensive platform for storing and accessing research works from institutions. He briefly explained its features and "Journal Book," an integrated intelligence tool designed to provide information about journals. He demonstrated how Journal Book presented an in-depth overview of journals, including indexing, scores, impact factor, publication details, and quality metrics.

This tool assisted researchers in selecting appropriate journals for their work, promoting international collaboration and further research opportunities. He cautioned researchers about predatory journals and cloned journals, encouraging them to stay informed and choose reputable publishing options.

During the Q&A session, participants actively involved in seeking further insights into patent consulting, publication strategies, and challenges in pursuing a PhD. In conclusion, the speaker's insightful presentation shed light on the critical aspects of research metrics and journal selection, aiding participants in understanding how to make informed choices in their academic endeavors.

## Take away from the Session:

- ✚ Choosing reputable journals indexed in databases like Scopus and Web of Science is crucial for a higher NIRF ranking.
- ✚ Researchers should be cautious about predatory and cloned journals, making informed decisions about publishing.
- ✚ Scholarly outcomes encompass patents, products, and scientific publications, with each contributing to the growth of knowledge and innovation.



## Session 2 - 12:30 - 1.30 PM

### IPR, Patents and Copyrights

**Dr. Bharat N. Suryawanshi**

**Assistant Controller of Patents and Design, RGNIPM, Nagpur**

The meeting commenced with an introduction to the organization of Patent offices and training centers located in various cities in India, including Kolkata, New Delhi, Mumbai, and Chennai.


 

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*In collaboration with*  
RGNIPM Nagpur, Ministry of Commerce & Industry Government of India, IPR  
Training Institute

*Cordially invites you for the*

**Awareness Programme**  
on  
**Intellectual Property Rights (IPR) & Patent, Designs filing process**  
On  
**30<sup>th</sup> August at 12.30pm.**  
*Organized by AADC and R&D Cell*  
*Speaker of the day*

  
**Dr. Bharat N Suryawanshi**  
Ass. Controller of Patents and Design  
RGNIPM Nagpur

Join us at  
<https://meet.google.com/xmh-qbrz-jd>  
Free Registration  
*E-certificates will be issued by the Govt of India to all registered*

**CHIEF PATRON**  
Dr. T.S.K. Meenakshisundaram  
Managing Trustee & Chancellor

**PATRONS**  
Dr. V. Bharathi Harishankar,  
Vice-Chancellor  
Dr. S. Kowsalya  
Registrar

**CONVENORS**  
Dr. P. Lalitha, Director (R&D), R&D

**NODAL OFFICER OF AADC**  
Dr.K.Ramya, Assistant Professor, MBA Department

He highlighted the availability of resources on the official website and encouraged participants to explore them to gain insights into intellectual property rights (IPR). The organizations social media platforms were also mentioned as sources of updates

on programs and events. The main topic of the meeting was “Intellectual Property”; The presenter, Bharat Suryawanshi, shared a visual presentation symbolizing the birth of an idea in the mind. He defined intellectual property as the product of human creativity and thinking. He emphasized that any idea originating from the human mind qualifies as intellectual property. For instance, a new novel is protected by copyright, new designs for products fall under intellectual property, and even innovative solutions for technical problems, such as herbal medicine for cancer, are considered intellectual property.



He highlighted the significance of human creativity and problem-solving abilities in generating intellectual property. Examples included innovative solutions for diseases, alternative energy sources like solar panels, and advancements in transportation such as electric vehicles. He explained that intellectual property encompasses intangible assets, in contrast to tangible possessions like cars or land.

Two primary categories of intellectual property were discussed: industrial property and copyright. Industrial property encompasses patents, designs, trademarks, and geographical indications (GI). Patents protect inventions, designs safeguard the visual appearance of products, trademarks distinguish brands, and geographical indications indicate the origin of products.

Copyright, on the other hand, safeguards original literary, artistic, and creative works. The meeting continued with the speaker providing additional insights into the

process of granting patents and copyrights. He outlined the step-by-step procedures for obtaining patents and copyrights and addressed various queries from participants.

He described the process of patent examination and approval, starting with the filing of patent applications. He explained that after filing, applications undergo a screening process and are classified based on subject matter. He concluded the session by encouraging participants to explore the different types of intellectual property, such as patents, copyrights, trade secrets, and designs. He emphasized the importance of utilizing the intellectual property system to protect and share innovations for the betterment of society.

### **Take away from the Session:**

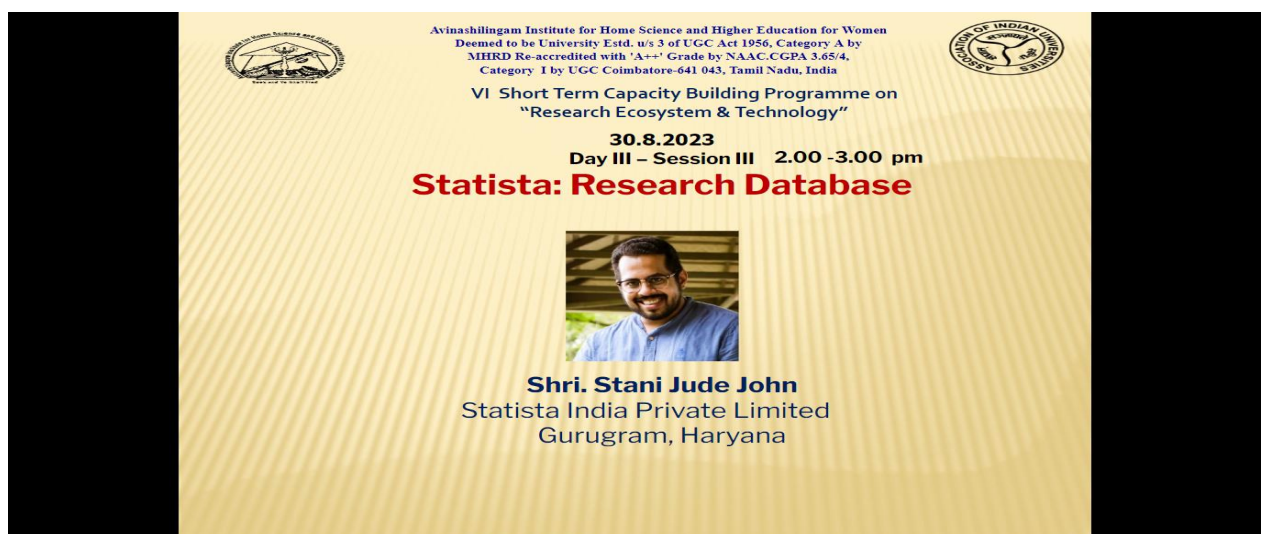
- ✚ Ideas, inventions, designs, and creative works are all forms of intellectual property.
- ✚ Patents and copyrights have distinct application and examination procedures.
- ✚ Copyrights are granted for original and new works.

### **Session 3 - 2:00 - 3:00 PM**

#### **Statista: Research Database**

**Shri. Stani Jude John**

**Statista India Private Limited, Gurugram, Haryana**



The poster features a yellow background with a subtle grid pattern. At the top, it includes the logos of Avinashilingam Institute and the University of Indian Education. The text on the poster provides details about the institute's accreditation, the specific session (VI Short Term Capacity Building Programme on "Research Ecosystem & Technology"), the date (30.8.2023), and the time (Day III - Session III, 2.00 - 3.00 pm). The title "Statista: Research Database" is prominently displayed in red. Below the title is a portrait of Shri. Stani Jude John, followed by his name and affiliation: Statista India Private Limited, Gurugram, Haryana.


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UNIVERSITY OF INDIAN EDUCATION

VI Short Term Capacity Building Programme on  
"Research Ecosystem & Technology"

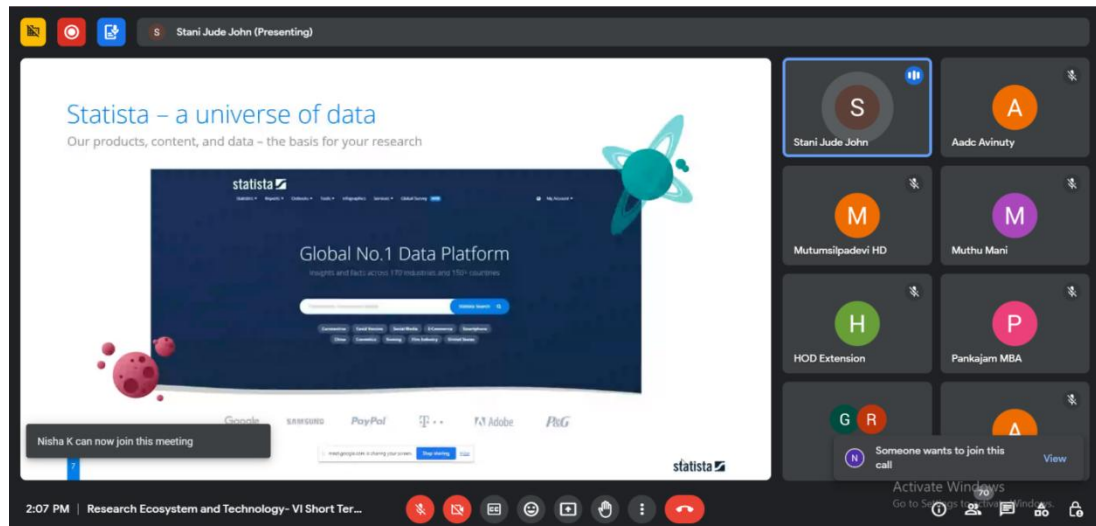
**30.8.2023**  
Day III – Session III 2.00 -3.00 pm

**Statista: Research Database**



**Shri. Stani Jude John**  
Statista India Private Limited  
Gurugram, Haryana

The session began with Stani Jude John welcoming the participants and providing information about the access they have to Statista for the next 10 to 12 hours. He emphasized that Statista provides access similar to a subscription during this time period, allowing participants to explore the platform and its features.



He discussed the major features of Statista, including statistics, reports, market insights,

and infographics. He noted that there are over 25,000 reports available on various topics, providing comprehensive insights. He explained that Statista offers a global database, enabling users to access content from various geographic regions.

He also mentioned Statista's diverse clientele, which includes universities, schools, private institutions, and even medical colleges. He showcased the wide array of industries covered by Statista, such as advertising, agriculture, finance, economics, technology, and more. Regarding access, he highlighted that Statista provides unlimited campus access and also offers remote access to institutions without existing mechanisms. Users can download statistics in various formats, and Statista provides five different citation formats to ease the referencing process.

Stani Jude John concluded the session by addressing participants; questions and during the Q&A session, participants asked questions related to specific content access, statistical analysis services, and download limits. He clarified that the platform does not provide statistical analysis services but focuses on providing accessible and reliable data. He also explained the limited download restrictions during the trial period, assuring participants that the allocated limits were generous and unlikely to be exhausted quickly.

### **Take away from the Session:**



- ✚ The live demo showcased how to access various types of content on Statista.
- ✚ Participants learned how to search for specific topics, access reports, and use filters.
- ✚ The platform offers features like downloading content in different formats and accessing source data.

### **Session 4 - 3:15 - 4:45 PM**


**Pramod K Nayar, UNESCO Chair in Vulnerability Studies,**

**Literary Research Trends: Doing Environmental Humanities, University of Hyderabad**

The speaker, Pramod Nayar, began the session by acknowledging the growing importance of environmental humanities as a discipline within the realm of humanities.

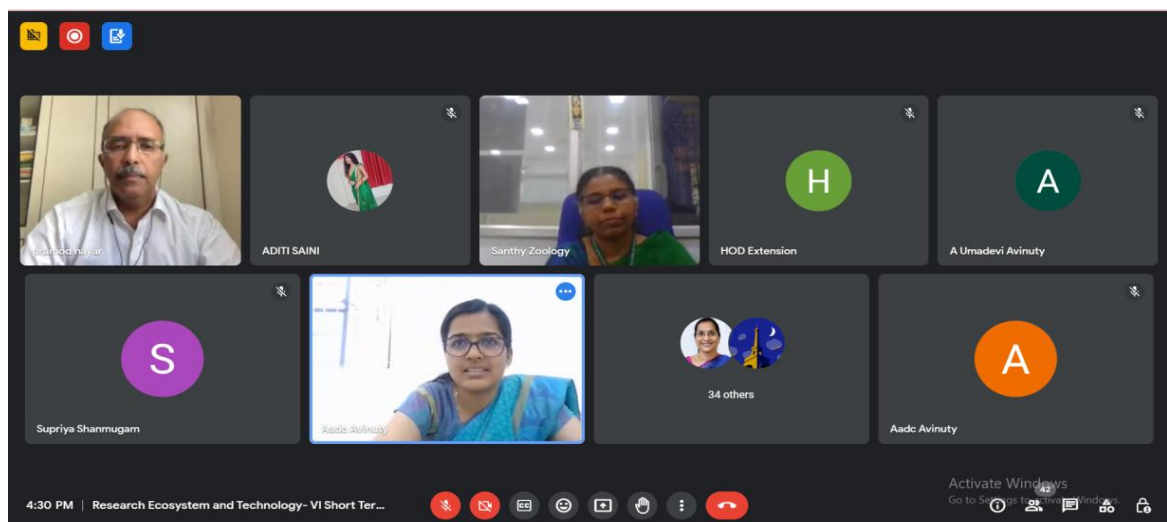

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**VI Short Term Capacity Building Programme on**  
**"Research Ecosystem & Technology"**  
**30.8.2023**  
**Day III – Session IV 3.15 pm-4.45 pm**  
**Literary Research Trends: Doing Environmental Humanities**



**Dr.Pramod K. Nayar**  
 Professor  
 Department of English  
 University of Hyderabad

He pointed out that what was once considered a niche topic has now evolved into a recognized discipline with dedicated journals, departments, and scholars worldwide. He emphasized the significance of understanding the fragility of the planet through visuals such as the iconic &Blue Marble&quot; photograph and real-time satellite images of environmental changes.



He highlighted the need to bridge the gap between the local and the global, as local issues often have global origins and implications. Discussing the literature of climate change, he underscored the importance of cultural responses alongside scientific

ones. He introduced the concept of "ecocriticism" as a means to explore ecological themes in literature, film, and other forms of cultural expression.

He further explored the ways in which environmental humanities address the complexities of human-nature relationships, the impact of climate change, and the ethical dimensions of environmental issues. He introduced the term "multi-species ethnography," which explores the interconnectedness of human and non-human life forms. He discussed the mutual influences, dependencies, and interactions that characterize these relationships. He used examples such as vultures and earthworms to illustrate how seemingly insignificant creatures play crucial roles in ecosystems. He emphasized that the disappearance of keystone species can lead to disruptions in the entire ecological chain.

The session concluded with the speaker's assertion that environmental humanities foster a new environmental imagination and explore concepts such as the Anthropocene and climate change fiction. He invited participants to engage with the broader interdisciplinary framework of the discipline, which encompasses economics, philosophy, geography, history, and more.

### **Take away from the Session:**

- ✚ Cultural responses through literature, film, and art are essential besides scientific approaches to addressing climate change.
- ✚ Ecocriticism explores ecological themes in cultural expressions and emphasizes the importance of ethics and human-nature relationships.
- ✚ Multi-species ethnography delves the intertwined lives of human and non-human life forms, highlighting mutual influences and dependencies.
- ✚ Keystone species play critical roles in ecosystems, and their disappearance can disrupt

**31<sup>st</sup> August 2023 - Day 4**

**SESSION 1 9.30-11.15am**

**Ramesh Sivanpillai, Senior Scientist, University of Wyoming**

The co-ordinator of the session was Dr. S. Gandhimathi, Professor and Head, Department of Economics and Deputy Dean, School of Arts and Social Sciences. The guest speaker Prof. Ramesh Sivanpillai, Senior Scientist, University of Wyoming, honoured the session on the topic "Publishing in Quality Academic Journals- Journal Selection". The session addressed the audience about the importance of publishing articles in quality journals, identifying highly cited journals, benefits a researcher receives through publication, and getting funds for publication. Prof. Pillai gave clarification to the listeners about the peer-reviewed and non-peer-reviewed journals available for the researchers for their publication. Sir, also highlighted the importance of going for publication through a peer-reviewed journal.

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VI Short Term Capacity Building Programme on  
"Research Ecosystem & Technology"

**31.8.2023**  
Day IV – Session I

**Publishing in quality academic journals -Journal  
selection**

**Prof.Ramesh Sivanpillai**  
Senior Scientist  
University of Wyoming

Professor also shed light on identifying Web of Science journal and Scopus journal and clarified to the audience the Q1, Q2, Q3, and Q4 journal criteria and the variation that is there for both Web of Science and Scopus through this own friend

example. He also shared information about identifying the citation for articles and H-index and he also provided the difference between self-citation and total citation. He insisted on choosing the right journals and made awareness of predatory journals prevailing in the journal market for money. He guided the audience about starting an article and choosing the platform for publication. He answered all the queries raised by the audience in the session. Prof. Pillai`s presentation provided valuable insights into the intricacies of publishing in quality academic journals. Leveraging his extensive experience, her shared the key factors that contribute to successful journal selection and offered valuable advice on navigating the academic publishing landscape. The session was ended through a Vote of thanks provided by Dr. S. Gandhimathi.

### **Take away from the session**

- ✚ Understanding the current research ecosystem
- ✚ Significance of journal selection
- ✚ Factors influencing journal selection
- ✚ Role of technology in the current research scenario
- ✚ Empowerment of successful publication
- ✚ Identification of web of science and Scopus journal
- ✚ The reality of Q1, Q2, Q3 and Q4 in journal
- ✚ Creation of Orchid ID, Citation, and H-index.

### **Session II 11.15-12.45 pm**

The session began at 11.00 A.M having Ms. C. Akhila, Ph.D. scholar, Department of Chemistry hosting the event and Dr.S. Gandhimathi, Professor and Head, Department of Economics and Deputy Dean of Arts and Social Sciences welcoming the audience and the guest speaker of the day Dr. Shubhada Nagarkar, Department of Library & Information Science, Savitribai Phule Pune University. The guest speaker enlightened the audience on the topic "UGC Care listed Journals and Communicative Research". The session started with a warm introduction by the author about the UGC care journal specification and the importance of having

manuscripts published in the care list journal. She highlighted open-access journals, types of functions, and functions of journals in the research society.

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VI Short Term Capacity Building Programme on  
"Research Ecosystem & Technology"  
**31.8.2023**  
Day IV - Session II

**UGC CARE listed Journals and Communicative  
research**



**Dr. Shubhada Nagarkar**  
Department of Library & Information Science  
Savitribai Phule Pune university

Professor brought to the knowledge of the audience the types of communication in which she threw insights about journal articles, comments, book chapters, editorial board, etc. She also brought to light the norms and conditions prevailing in UGC CARE listing and the criteria and categories of the journal. She informed me about the process of structuring research papers to get maximum output. Madam also informed the audience about the ways of writing impactful publications and shared insights about the selection criteria and peer-review process for UGC journals. Through the session, the speaker clarified the audience related to various queries namely creating clarification regarding the databases that are not included in the UGC care list, updating of UGC care list journal and periods, API score, how UGC includes new journals and article submission charges with the predatory journal.

Overall the session has enriched the audience about publication in UGC care journals. Finally, the session ended with a vote of thanks by Ms. Akhila and Dr. Gandhimathi.

## Takeaway from the session

- ✚ Understanding UGC CARE listed journals
- ✚ Effective research communication
- ✚ Writing impactful publication
- ✚ Ethical consideration in research
- ✚ Need and importance of peer-reviewed journal
- ✚ API score of a journal
- ✚ Predatory journals and cloned journals

## SESSION III 1.30-3.00pm

The third session for day 4 is on 31.08. 2023 was handled by Dr. P. Lalitha, Director, R&D, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, in the afternoon session from 1: 45- 2:30. Welcome address was delivered by C. Akhila, Research Scholar, Department of Chemistry. Dr. P. Lalitha briefed on the title "Selection of Right Journals". Selecting the right journal for your research involves considering factors like scope, audience, impact factor, and reputation in your field. Start by identifying journals that publish articles similar to your research topic. Evaluate their aims and scope to ensure alignment. Check the journal's impact factor and indexing in databases relevant to your field. Also, consider the speed of publication and open-access options. Mam showed a virtual demonstration of logging into the UGC portal and identifying the apt journals from the list provided for various disciplines in UGC Care List 1 and UGC Care List 1 and UGC Care list. Madam highlighted to the audience that the UGC CARE list categorizes journal groups based on their quality and credibility and advised the scholar to make sure to search for their desired journal title or ISSN to see if it's included in the UGC CARE list. She glimpsed about the tips for getting our paper published quickly and the causes for journals rejecting our papers. Mam provided suitable ways to make the paper more evitable and preventative. The resource person gave a complete idea of selecting the right journals. Mam has guided the research scholars to take a step in publishing their works in quality journals so that their works are

valued and get published in the right ones. Scholars raised their queries and there was an interactive session. A note of formal gratitude was conveyed by C. Akhila.

### Takeaway from the session

- ✚ UGC CARE I and II group journal
- ✚ Avoiding predatory journal
- ✚ Official site to check for journal
- ✚ Choosing a journal based on the stream of education
- ✚ Importance of having an article published under UGC Care.

**1<sup>st</sup> September 2023 - Day 5**

  
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VI Short Term Capacity Building Programme on  
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**Day 5 Sessions in Brief**

**Day 5 - Session I - Supporting early - career researchers: Grants and Fellowships**  
Dr. Anita Aggarwal, Head, TDT

**Day 5 - Session II - Researcher to Entrepreneur**  
Dr. Pavithra V R, CSIR Fellow, Entrepreneur

**Day 5 - Session III - Multidisciplinary Skills in Achieving Sustainable Development Goals**  
Prof. Wong Ling Shing, Pro Vice Chancellor  
Professor in Biotechnology, INTI international University, Malaysia

**Day 5 - Session IV - Valediction and Special Address**  
Dr. Hemant Kumar Aiyer  
Senior Lead Scientist, Aditya Birla Science & Technology Centre  
Mumbai, Maharashtra

### Session I: 9.30-11.00am

Session I 01/8/2023 @ 10.00 am – 12.00 pm

Supporting Early- Career Researchers: Grants and Fellowships

Dr. Anita Aggarwal, Head, TDT The first session of Day 5 was on Supporting early career researchers by Dr. Anita Aggarwal, Head, TDT of DST .

Madam spoke on contextual referencing of STI policy , research funding agencies in India, need to enhance quality and relevance of R&D, translation, connecting academia and rnd labs, industry , startups MSMEs and ministries.



The speaker also highlighted the efforts of DST in promoting research, the supply chain in dst for technology development, Technology developemtn programmes, About technology enabling centres and avenues for funding.

Dr.Anita Agarwal initiated her speech on Developing Innovation Capacity and Capability. Science, technology, and innovation (STI), as well as capacity-building, are critical ways of achieving the Sustainable Development Goals (SDGs). The STI Policy will strive to develop a new regulatory framework for data access and sharing, as well as for the production and transfer of intellectual property rights. The new

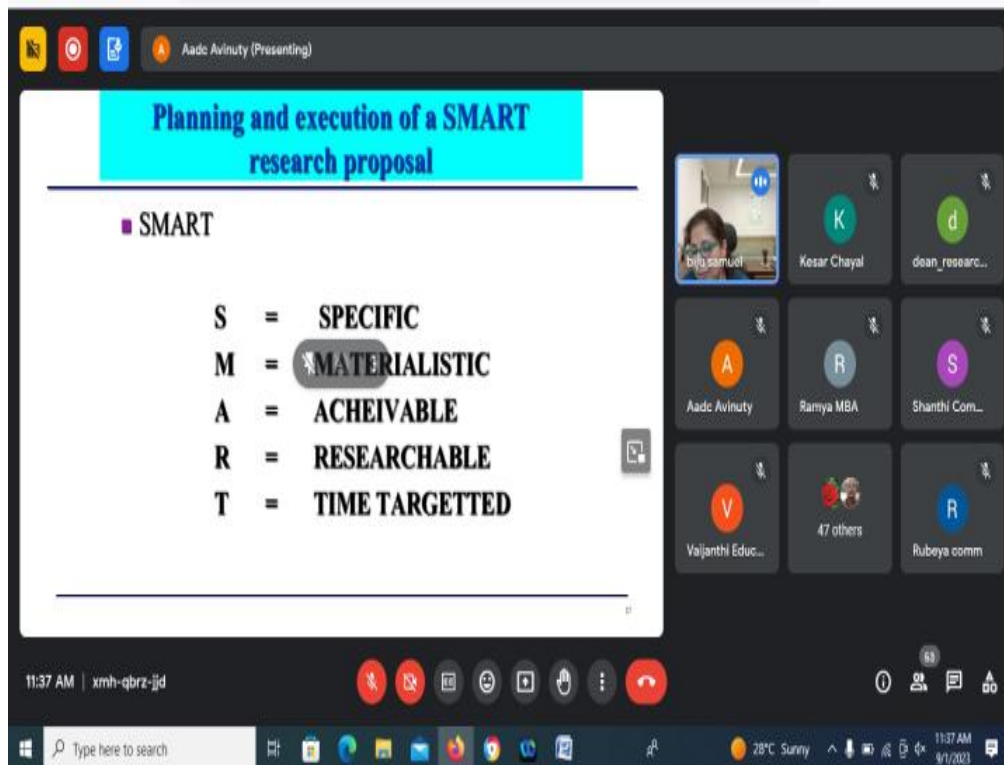
policy framework will allow for strategic alliances and partnerships with other countries through bilateral and multilateral cooperation in research, technology, and innovation.

In order to support early career researchers, the Department of Science and Technology has established a vision such as Enhancing the quality and relevance of R&D, Translation: Technology, Innovation to Market, and Connecting Academia, R&D labs, Industry, Startups MSMEs, Ministries, Diversity and Inclusion. The DST support chain for technology development has been stressed, with numerous organizations/programmes such as Science and Engineering Research Board (SERB), NSTEDB, Technology Development Board (TDB), and Technology Information, Forecasting and Assessment Council (TIFAC) each having a separate activity that supports researchers with the latest technology. TRL 3 to 6 will be able to demonstrate in technology development. Various technology development programs, such as Advanced Manufacturing Technology, Waste Management Technologies, Biomedical Device and Technology Development Program, Technology Development, and Technology Enabling Center, has been developed to focus on disaster Management.

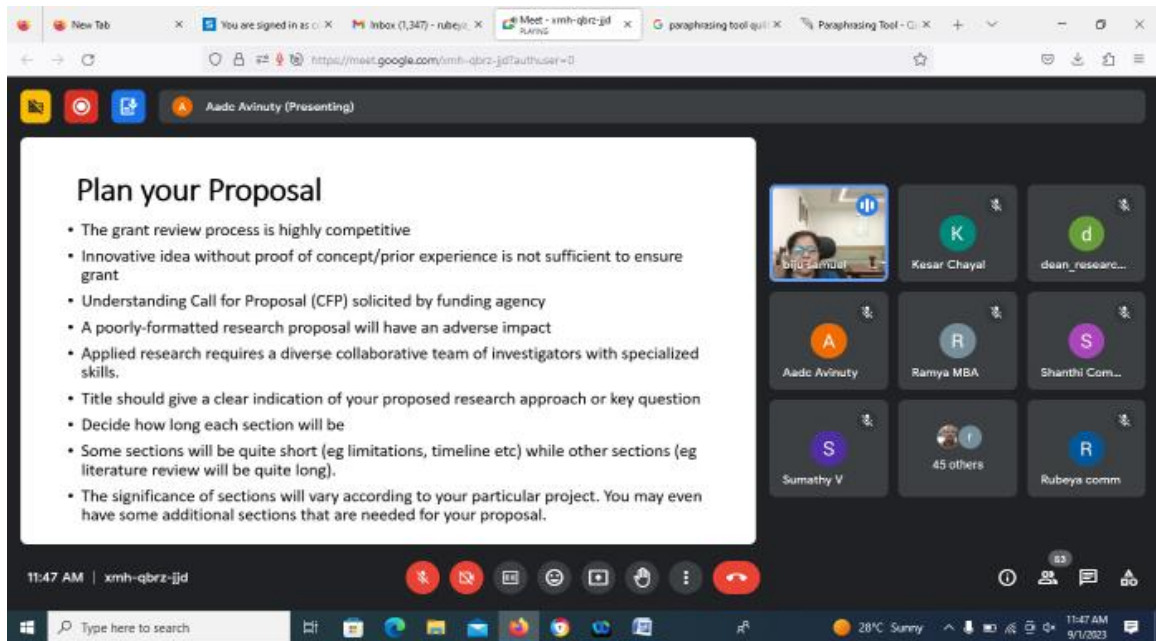
With a budget of Rs 240.75 crores, the Technology Development Project was launched in 2018-20. The project takes an average of 2-3 years to complete. So far, 326 projects have been completed, with 250 programs still under progress. Around 600 people have been trained and profited from this initiative. She also shared her vision for building TECs in the university system. To bridge the gap between technology creation and incubation activities in universities, and to increase technology outflow by playing a catalytic role, among other things. She also explained about the patent facilitation cell which was established for the purpose of facilitation to file the patents.

NEP 2020 focused on ways to improve the quality and quantity of research. How to do high-quality interdisciplinary research across disciplines and develop solutions to societal problems. NRF fosters a strong research culture while also increasing research capacity across higher education. Equipping students, instructors, and educational institutions with the necessary competencies and capabilities, as well

as creating an enabling and revitalized educational eco-system for a thriving India. The grant cycle for the research, including how it is supposed to function and how it actually works, was explained. In addition, the evolution of intellectual freedom to do research has been emphasized.

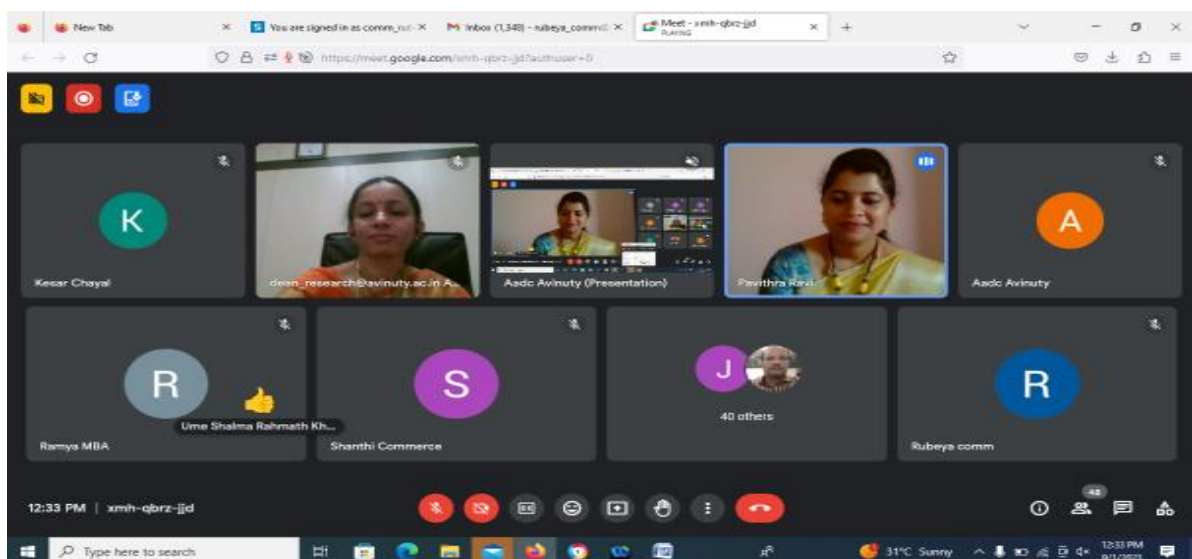


The planning and execution of a SMART research proposal have been thoroughly outlined. The steps for writing a research proposal were well described. Planning is essential while creating a research proposal. Innovative ideas with proof, a good team of collaboration, and a clear indication of the idea on the title, as well as a timeframe, will undoubtedly result in a strong research proposal. Some guidelines to follow while drafting a research proposal include finalizing the research questions, developing a logical proposal, identifying flaws in the research design, and accepting criticism. Common flaws in proposal writing include poor writing quality, failure to allude to major developments, insufficient resource mapping and budgeting, proposals that are too long or too short, and insufficient information.

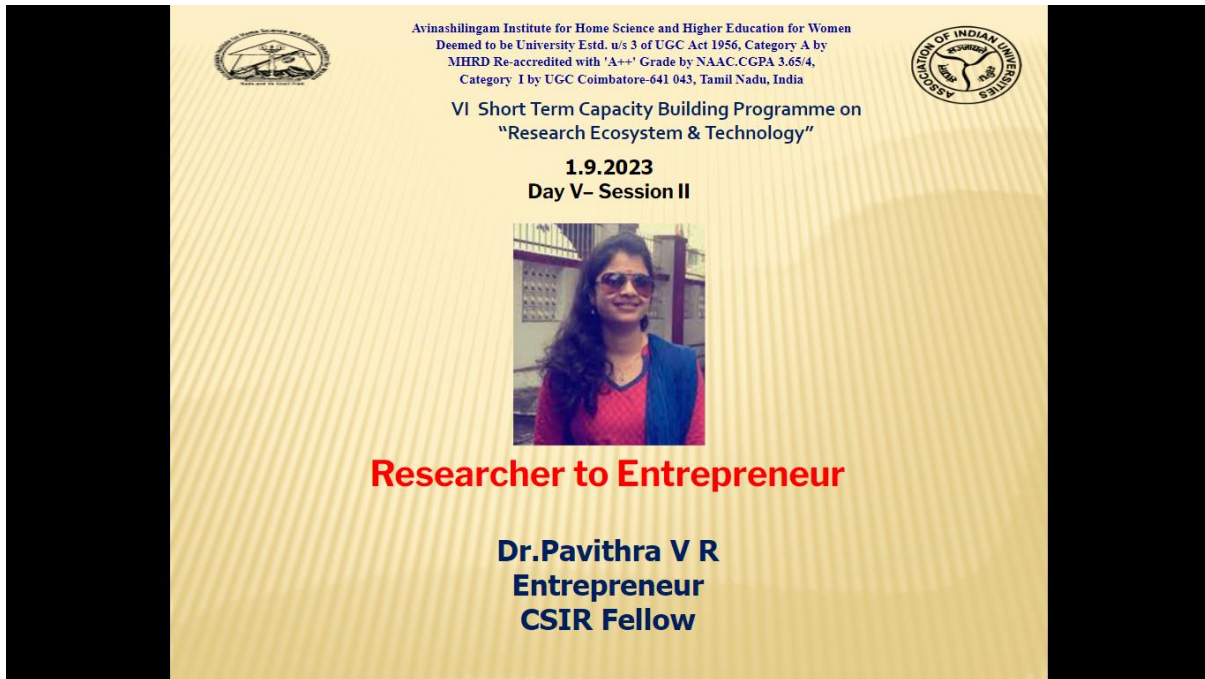


Finally, she explained how to submit a strong research proposal by following the format specified by the funding agency, highlighting the goal of the context, research questions, objectives, and methodology within 2 -5 minutes. Provide a clear budget justification, followed by a discussion of the long-term impact and future direction.

**Session II: 01/8/2023 @ 10.00 am – 12.00 pm**  
**Researcher to Entrepreneurs**  
**Dr.Pavithra Ravi, CEO**



The second session was on the topic entrepreneur to researcher by Dr.Pavithra V R , CSIR Fellow and Entrepreneur who enlightened the attendees on the incubation procedure, role of incubators, Second session was on Researcher to Entrepreneur by Dr.V R Pavithra CEO of Frontoclub and Founder of @atom and a CSIR Fellow. The session was on how an researcher can be an successful entrepreneur and the steps one needs to follow to initiate a start up and marketing.



It was a eye opener session on Incubatin, roles of incubate and support shcemes for start ups. The speaker also gave solutions to the general challenges in start ups.

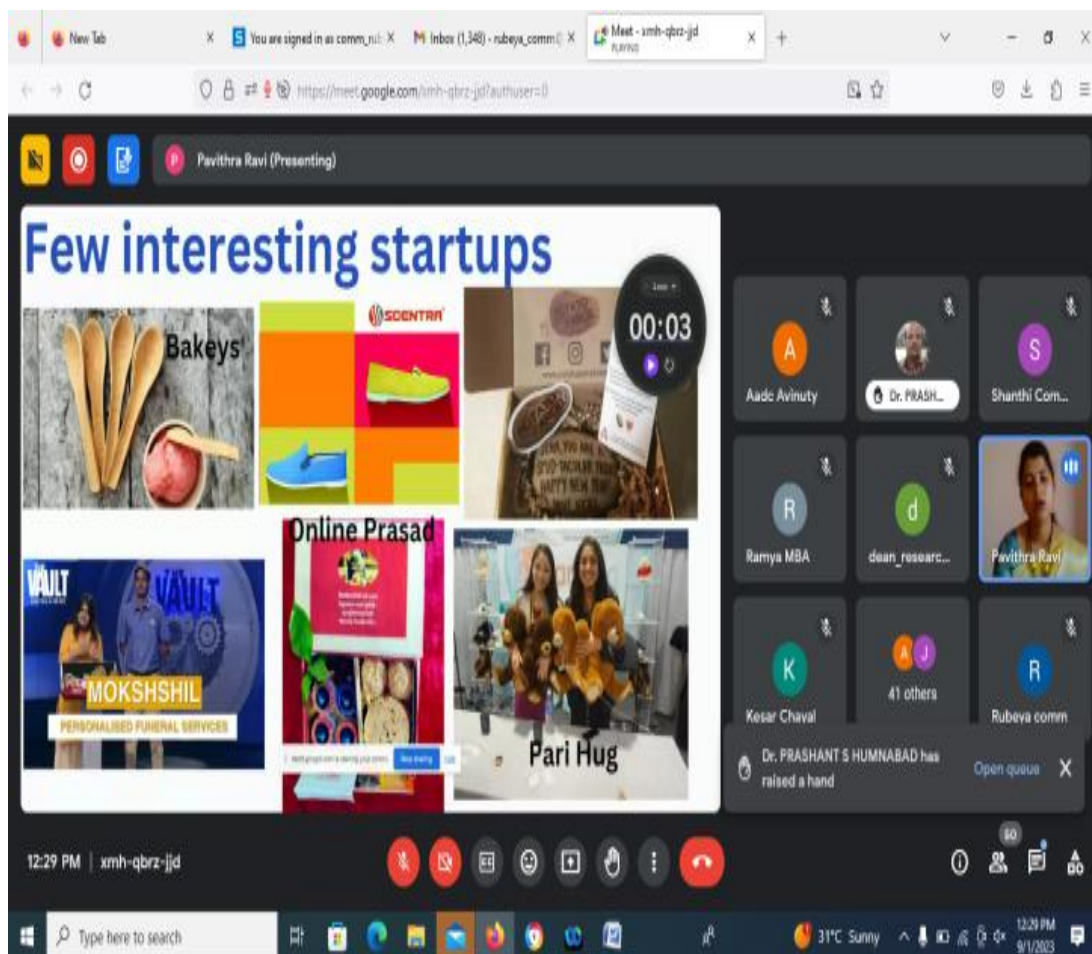
Dr Pavithra began her presentation by discussing the flow of innovation in business. How a thought becomes an idea, how an idea becomes a product, and how it reaches the market and ultimately the customers. The distinction between researcher, businessman, and entrepreneur was emphasized: a researcher is someone who imagines, develops, and creates a validated innovation; a businessman is someone who watches market trends and sells the innovation; and an entrepreneur is someone who performs both roles of businessperson and researcher. A fresh idea will always have a push and pull effect in terms of validation and vision for success..

The vision and mission serve as a foundation and backbone for reaching the final target. The key of businesses is to focus on money motive and product

development, whereas entrepreneurs think about the future and will follow retro style. The incubator's importance has been highlighted through offering lab space, mentorship, networking, and resources.

Angel investors, venture capitalists, incubators, and banks loan are all part of the startup support system. TANSEED and IVP are two government funding bodies from the state government. Start Up India, BIRAC, DST, MSME, and MHRD are a few central government funding agencies.

She continued by sharing several well-known startups such as OLA, Swiggy, Paytm, Zomato, and others, as well as some interesting startups such as Bakeys, Scentra, Potato parcel, Mokshshil, and others. India's GDP will provide more than 24% of yearly growth from 2022 to 2027, and the country is ranked third in the world.




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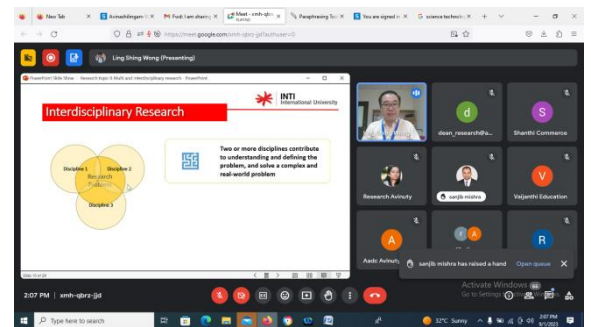
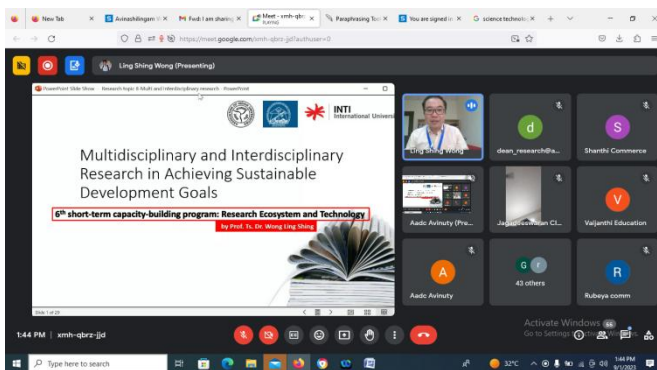
**1.9.2023  
 Day V – Session III**

**Multidisciplinary Skills in Achieving Sustainable  
 Development Goals**



**Prof.Wong Ling Shing**  
 Pro Vice chancellor  
 Professor in Biotechnology,  
 INTI International University  
 Malaysia

**Session III**  
**01/8/2023 @ 1.30 pm – 3.00 pm**  
**Multidisciplinary and Interdisciplinary Research in Achieving Sustainable  
 Development Goals**  
**Prof. Wong Ling Shing**  
**Professor in Biotechnology, INTI, International University, Malaysia**



Prof.Wong started the session by introducing Multidisciplinary research. Two or more disciplines contribute to understanding, defining, and solving a portion of a complicated problem. Multidisciplinary research involves experts from several fields working on linked topics, but not as closely as in some research challenges. Experts, distinct expertise, parallel work with own ways, shared aim, limited interaction, independent contribution, and broad approach are some of the features of multidisciplinary research..

To design a smart health monitoring service, research health parameters that need to be monitored, electrical and electronic engineering to design the hardware and sensors, software development to create applications that connect hardware, medical science, and user experience and ergonomics design are all necessary. Another example of how specialists from various professions collaborate to discover, test, and manufacture a new plant-based therapy has been provided.

The skills required to conduct multidisciplinary research include in-depth knowledge of the specific field, effectively sharing findings and insights within one's field, focusing on one's area of expertise, working within a limited integration, strong techniques with one's discipline, working efficiently, and good coordination..

In interdisciplinary research, two or more disciplines collaborate to tackle a difficult and real-world problem. Interdisciplinary research is distinguished by the combination of experts, the mixing of knowledge, interaction, the blending of methodologies, synergy, holistic understanding, real-world problems, and communication abilities. The differences between multidisciplinary and interdisciplinary were explained.

He discussed the procedures for food security through sustainable agriculture and the benefits received from it to environmental scientists, agronomists, policy experts, social scientists, economists, and bio technologists. To ensure clean water access in impoverished nations, water purification must be developed, and policy experts must support sustainable use of clean water. A research of waterborne diseases and their sources should be conducted. It is necessary to develop a hygiene and sanitation education program as well as to comprehend community behavior.

The skills inherit to do a interdisciplinary research is integration, holistic thinking and effective communication, synthesis, collaboration, open mindedness' and problem solving . Some of the sustainable goals are no poverty, zero hunger, good health, quality education, gender inequality, clean water, clean energy, decent work etc to be achieved through interdisciplinary research.

## Session IV

01/09/2023 @ 3.15 pm – 4.15 pm

Valedictory Address

**Dr. Hemant Kumar Aiyer**

Senior Lead Scientist & Technology Centre, Mumbai, Maharashtra, India



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VI Short Term Capacity Building Programme on  
"Research Ecosystem & Technology"

1.9.2023

Day V - Session IV

## VALEDICTION AND SPECIAL ADDRESS



**Dr. Hemant Kumar Aiyer**

Sr. Lead Scientist (AVP)

Aditya Birla Science & Technology  
centre, Mumbai



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Organised By**

**AIU – Avinashilingam Institute –  
Academic and Administrative Development Centre  
(AIU-AI-AADC) &  
Research and Development Cell**

**Date: 1.9.2023 Time: 3.15 pm**  
**Agenda for Valedictory Session**

**Prayer**

**Welcome Address**

**Dr. K. Ramya**  
Nodal Officer, AIU-AI-AADC  
Avinashilingam Institute for Home Science and  
Higher Education for Women, Coimbatore

**Report of 5-Day Programme**

**Dr. P. Lalitha**  
Director R&D  
Avinashilingam Institute for Home Science and  
Higher Education for Women, Coimbatore

**Valedictory and Special Address**

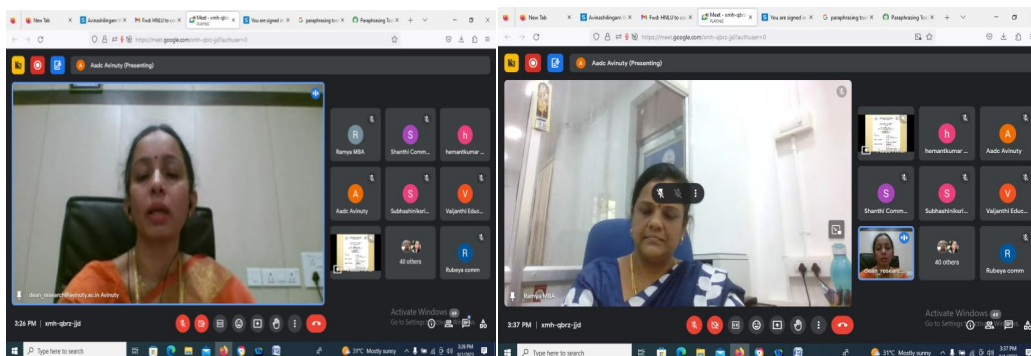
**Dr. HemanthKumar Aiyer**  
Senior Lead Scientist  
Aditya Birla Science & Technology Centre

**Vote of Thanks**

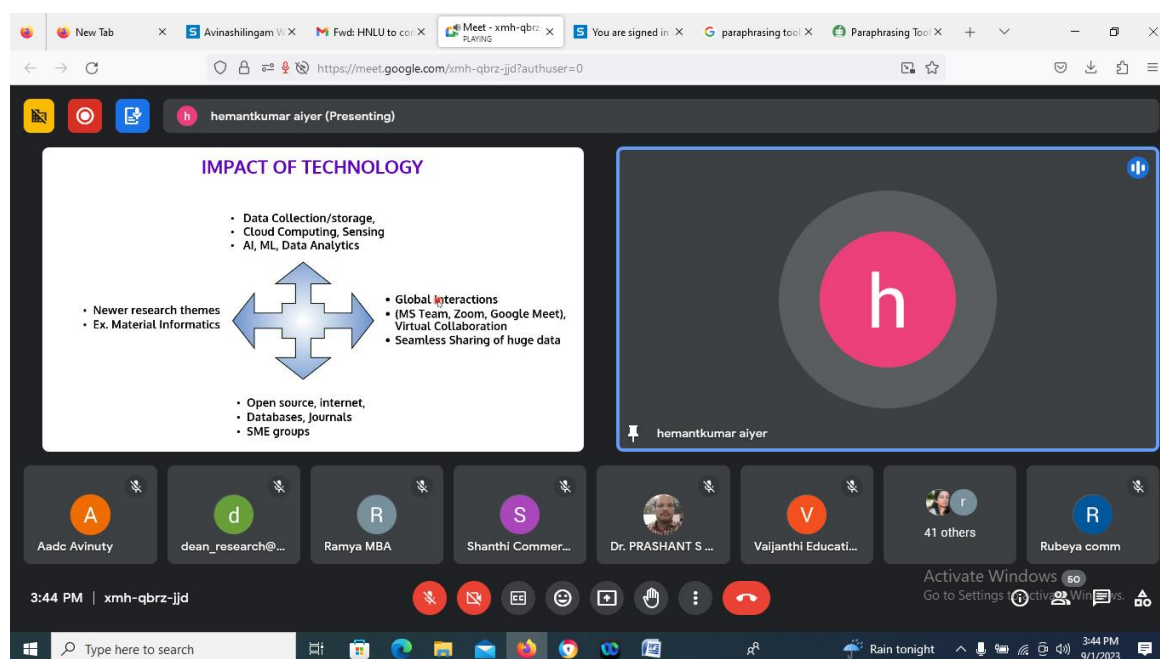
**Dr. P. Santhi**  
Dean, School of Commerce & Management  
Avinashilingam Institute for Home Science and  
Higher Education for Women, Coimbatore

**National Anthem**

On 1<sup>st</sup> September 2023 at 4.00 p.m. valedictory session started with blessings of God Almighty, Dr.T.S.Avinahilingam Ayya Avargal and Dr. Rajaammal P.Devadas Amma Avargal with a prayer song. Dr.K.Ramya, Nodal Officer, AIU-AI-AADC, welcomed the gathering with insightful thought.

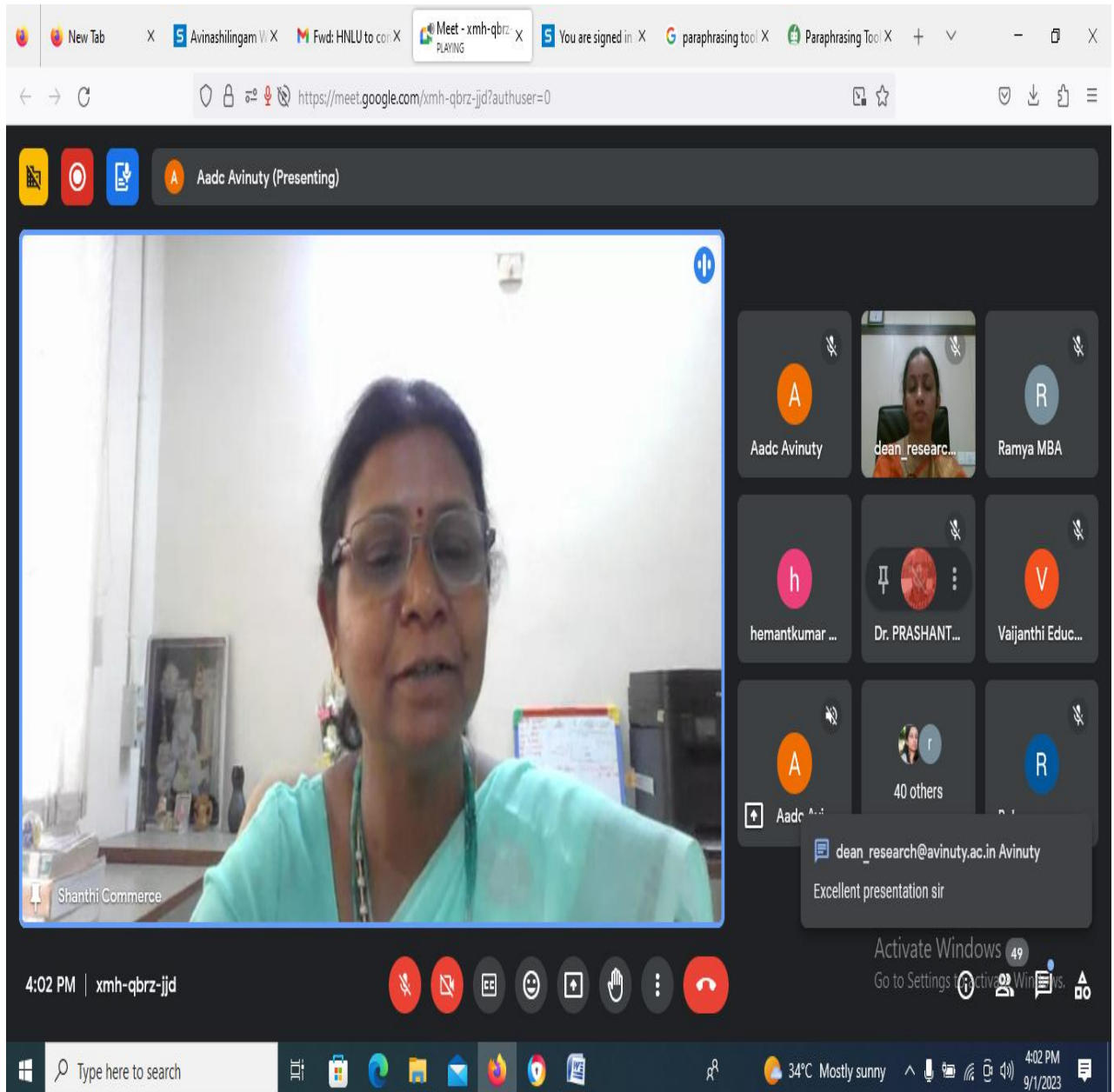


The sixth short-term capacity building program report on "Research Eco-System and Technology" was presented by Dr.P.Lalitha, Director R&D. She noted that 75 participants from diverse education have benefited through this workshop and all session speakers thoroughly discussed the theme, making it a fruitful, practical, and timely program.



The valedictory address was given by Dr. HemanthKumar Aiyer. He initiated the research process and its implications for technologies such as data gathering, cloud computing, AI, ML, data analytics, and so on. To develop writing skills, researchers must engage in broad, comprehensive reading practice, seek criticism, participate in workshops, and clarify concerns using reliable, authoritative sources and references. Conflicts of interest and plagiarism should be avoided by researchers in order to encourage ethical research. Patents, copyrights, trademarks, and trade secrets were highlighted as examples of intellectual property rights. He emphasized that interdisciplinary collaboration is the most important prerequisite for the hour.

Discoveries and innovation have been classified into three domains: basic research curiosity (16%), applied research solution (50%), and societal development (34%). The distinction between invention and innovation was discussed. Innovation formulae are creativity multiplied by risk taking. TRL levels were explained in stages. He closed his address by reflecting on the Stanford rankings and the percentage of GDP spent on R&D by the United States, China, India, and Israel. India provides 0.7% of the total.



Dr.P.Santhy, Programme Coordinator, Dean, School of Commerce and Management has expressed her heartfelt gratitude to the chief guest and dignitaries for spending their important time and sharing their experiences with the participants.

### Post Feedback Report

Rank	First Name	Last Name	Attempt #	Accuracy	Score	Correct	Total Time Taken	Started At
1	Berdhisha	P	45	98%	43850	44	14:14	Fri 01 Sep 2023,07:13 PM
2	Abisha	Subha	45	93%	33000	42	06:56	Fri 01 Sep 2023,07:08 PM
3	Sunita	C	45	93%	31800	42	07:59	Fri 01 Sep 2023,06:02 PM
4	komala	ravi	45	87%	26400	39	18:58	Fri 01 Sep 2023,05:01 PM
5	Jayanthi	21PHCOP002	45	84%	25700	38	41:13	Fri 01 Sep 2023,04:35 PM
6	K	Deepika	45	80%	25100	36	11:24	Fri 01 Sep 2023,09:55 PM
7	Bhuvaneshwari	Narayanan	45	80%	24900	36	25:09	Fri 01 Sep 2023,04:28 PM
8	Shailaja	Raj Marla	45	80%	24600	36	07:39	Fri 01 Sep 2023,10:59 PM
9	Pon	Nivetha A	45	76%	24500	34	17:22	Fri 01 Sep 2023,05:00 PM
10	Prasanna	21PHBTP001	45	76%	23000	34	18:49	Fri 01 Sep 2023,05:19 PM
11	poongodi	comm	45	78%	22900	35	41:21	Fri 01 Sep 2023,04:35 PM
12	Rihana	Commerce	45	78%	22800	35	28:19	Fri 01 Sep 2023,04:35 PM
13	Sunita	C	45	78%	22400	35	39:34	Fri 01 Sep 2023,05:16 PM
14	Supriya	Shanmugam	45	78%	21600	35	47:19	Fri 01 Sep 2023,08:03 PM
15	Sanjib	Mishra	45	76%	21400	34	22:14	Fri 01 Sep 2023,04:30 PM
16	Balamallika devi	Arumugam	45	76%	21200	34	47:21	Fri 01 Sep 2023,04:22 PM
17	Sangeetha	S	45	71%	20700	32	40:46	Fri 01 Sep 2023,05:55 PM
18	21PHBCP001	Banu	45	67%	19900	30	07:52	Fri 01 Sep 2023,04:44 PM
19	Berdhisha	P	45	58%	19700	26	11:03	Fri 01 Sep 2023,06:58 PM
20	Dr.Susan	Manuel	45	69%	19700	31	45:12	Fri 01 Sep 2023,08:17 PM
21	Aswathi	I. R	45	71%	19600	32	28:28	Fri 01 Sep 2023,04:24 PM

22	Priya	J	45	71%	194 00	32	24:3 2	Fri 01 Sep 2023,04:18 PM
23	Michelle	Britto	45	69%	191 00	31	12:5 2	Fri 01 Sep 2023,04:21 PM
24	chhavi	mishra	45	69%	191 00	31	39:3 8	Fri 01 Sep 2023,06:29 PM
25	VAIJAYANT HI	R	45	67%	190 00	30	28:0 1	Fri 01 Sep 2023,07:25 PM
26	Sindhu	S	45	67%	189 00	30	16:1 7	Fri 01 Sep 2023,08:18 PM
27	Dr.	Nandhini	45	67%	186 00	30	12:2 5	Fri 01 Sep 2023,06:51 PM
28	Dr.	Gayatri MICROBIOLOGY	45	67%	183 00	30	32:1 5	Fri 01 Sep 2023,04:22 PM
29	Kesar	Chayal	45	64%	175 00	29	18:2 6	Fri 01 Sep 2023,04:26 PM
30	Shailaja	Raj Marla	45	62%	172 00	28	09:5 5	Fri 01 Sep 2023,10:45 PM
31	Abisha	Subha	45	53%	153 00	24	12:0 1	Fri 01 Sep 2023,06:51 PM
32	komala	ravi	24	49%	151 00	22	28:0 6	Fri 01 Sep 2023,04:28 PM
33	Doulat	Vaghamode	45	47%	127 00	21	08:4 8	Fri 01 Sep 2023,07:20 PM
34	Sathya	Moorthy	45	31%	840 0	14	04:0 1	Fri 01 Sep 2023,06:29 PM
35	Sindhu	S	3	7%	180 0	3	00:4 0	Fri 01 Sep 2023,08:40 PM
36	Ramya	Rajendran	5	4%	120 0	2	05:5 6	Fri 01 Sep 2023,04:12 PM
37	Dr.Prashan t	S Humnabad	3	2%	600	1	00:5 1	Fri 01 Sep 2023,04:20 PM
38	Umme	Sumaiya	0	0%	0	0	00:0 0	Fri 01 Sep 2023,10:13 PM
39	Aishna	Verma	0	0%	0	0	00:0 0	Fri 01 Sep 2023,04:27 PM
40	Haritha	21PFN004	0	0%	0	0	00:0 0	Fri 01 Sep 2023,07:50 PM
41	Dr.	Gayatri MICROBIOLOGY	0	0%	0	0	00:0 0	Fri 01 Sep 2023,04:15 PM
42	Jagadeesw aran	c	0	0%	0	0	00:0 0	Fri 01 Sep 2023,04:39 PM

## Participants List

S.No	Name	Designation	Department	Institution/ Organisation Name
1	Marclin Joe Felix D	Research Scholar	Botany	Nirmala College for Women
2	N K Zaheera Banu	Assistant Professor	Biochemistry	E. M. E. A. College of Arts and Science
3	Prasanna R Kovath	Research Scholar	Biochemistry, Biotechnology and Bioinformatics	Avinashilingam Institute for Home Science and Higher Education for Women
4	Chhavi Mishra	Research Scholar	Botany	Avinashilingam Institute for Home Science and Higher Education for Women
5	Anjana A	Research Scholar, UC College, Aluva	Zoology	UC College, Aluva, Ernakulam, Kerala
6	Dhanya Sukumaran	Research Scholar	Computer Science	Avinashilingam Institute for Home Science and Higher Education for Women
7	Indu.R	RESEARCH SCHOLAR	MANAGEMENT	PSGR KRISHNAMMAL COLLEGE FOR WOMEN
8	A.K.Nalina	Assistant Professor	English	Sri Krishna Arts and Science College
9	Aishna Verma	Research Scholar	Sociology	University of Lucknow
10	Shubhada Phadnis	Student	Zoology	Prof. Ramkrishna More Arts, Commerce and Science College Akurdi
11	A.R.Rihana Banu	Assistant Professor	Commerce	Avinashilingam Institute for Home Science and Higher Education for Women
12	Mrs.K.Jayanthi	Research Scholar	Commerce	Avinashilingam Institute for Home Science and Higher Education for Women
13	Sangeetha	Assistant professor	MBA	Hindusthan Institute of Technology, Coimbatore
14	Poongodi R	Research Scholar	Commerce	Avinashilingam Institute for Home Science and Higher Education for Women
15	Raji V Sugumar	Principal	Research Dept of Home Science	Bharathidasan Govt College for Women- An Autonomous College affiliated to Pondicherry University
16	R. Gowri	Assistant Professor	Department of Commerce	D.K.M. COLLEGE FOR WOMEN(AUTONOMOUS) VELLORE.
17	Niki Shah	PhD student	Food nutrition and Dietetics	Mumbai university
18	Narmatha.T	Ph.D Scholar	English Literature	Sri GVG Visalakshi College For Women, Udumalpet
19	Vanisree Talluri	Asst. Professor in Commerce	Commerce	St. Francis College for Women
20	M. Shailaja Raj	Vice Principal (research and development)	Microbiology	St. Francis College for Women
21	V. Archana	Teaching and Research Fellow	Chemistry	Avinashilingam Institute for Home Science and Higher Education for Women
22	S. Radjarejesri	Professor	Chemistry	SONA COLLEGE OF TECHNOLOGY
23	R.Saratha	Professor and Head	Chemistry	Avinashilingam Institute for Home Science and Higher Education for Women
24	Varsha Tirkey	lecturer	School education dept	Govt higher secondary school kebai Balenga
25	Sumathy.K	Research Scholar	Women's studies	Avinashilingam Institute for Home Science and Higher Education for Women
26	S.Kavya	Assistant Professor	Department of Commerce with Professional Accounting	Kathir College of Arts and Science
27	Gayatri Vemuganti	Assistant Professor	Microbiology	St. Francis College for Women
28	Jagadeeswaran c	Assistant professor	Civil engineering	Arjun college of technology
29	C.Sunita	Assistant professor	Department of Economics	Ethiraj College for Women

30	Saradha A	Assistant Professor	Economics	Ethiraj College for Women
31	Gaurav Dubey	Faculty	Optometry	Uttar Pradesh University of Medical Sciences Saifai Etawah
32	Berdhisha P	Research Scholar	English	Avinashilingam Institute for Home Science and Higher Education for Women
33	Lincy.P	Assistant Professor	Food Service Management and Dietetics	Avinashilingam Institute for Home Science and Higher Education for Women
34	Rasmi M	Research Scholar	Computer Science	Avinashilingam Institute for Home Science and Higher Education for Women
35	Dr. A. Kamalakannan	Assistant Professor	Department of Business Administration (Shift-2)	Dharmamurthi Rao Bahadur Calavala Cunnan Chetty's Hindu College, Dharmamurthi Nagar, Pattabiram, Chennai – 600072
36	Padmini S	Research Scholar	English	Avinashilingam Institute for Home Science and Higher Education for Women
37	R.Vaijyanthi	ASSISTANT PROFESSOR(S G)	EDUCATION	Avinashilingam Institute for Home Science and Higher Education for Women
38	Dr. T. Komalavalli	Assistant Professor	Education	Vels Institute of Science, Technology and Advanced Studies
39	Dr.a.Balamallika Devi	Assistant Professor	History Education	Sri Sarada College of Education (Autonomous)
40	Leema Roslin P	Assistant Professor Research Scholar	Mathematics	Mohamed Sathak Teacher Training College
41	Catherene Nithya S	Asst Professor	Education	Loyola College of Education
42	Sindhu S	Research Scholar	Chemistry	Avinashilingam Institute for Home Science and Higher Education for Women
43	Dr.V.Malathi	Dean of Research (S.S), Associate Professor in Biochemistry	Biochemistry	Ethiraj College for Women
44	Neelaveni K	Assistant Professor-Temporary	Food Service Management and Dietetics	Avinashilingam Institute for Home Science and Higher Education for Women
45	Antony Philomena M	Research scholar	Education	Avinashilingam Institute for Home Science and Higher Education for Women
46	Dr.J.Priya	Associate Professor	Biochemistry	Ethiraj College for Women
47	Sathiyamoorthy P	P.hD (Research Scholar)	Education Technology	TamilNadu Teachers Education University
48	Ume shalma R	Research scholar	Educational Technology	TNTEU
49	G S Smitha Nair	Ph.D. Research Scholar	Dept of Education	Govt College Of Teacher Education, Thycaud, Trivandrum -14
50	Kamakshi R	Phd Scholar	Food science and Nutrition	Avinashilingam Institute for Home Science and Higher Education for Women
51	Susan Jayaseeli Manuel	Assistant professor	Department of Management studies	VelTech Rangarajan Dr Sagunthala R &D institute of science and technology
52	Prashant H S	Assistant Professor	Mechanical Engineering	Sir M. Visvesvaraya Institute of Technology
53	Aditi Saini	Research Scholar	English	Govt.V.Y.T PG Autonomous College
54	Ramya Rajendiran	Assistant Professor	Microbiology	SRM Institute of Science and Technology, Trichy Campus.
55	R.Rupa	Assistant Professor	Nutrition and Dietetics	Trinity College for women, Namakkal
56	Pon Nivetha A	Research Scholar	Chemistry	Avinashilingam Institute for Home Science and Higher Education for Women
57	Doulat Agatarao Vaghmode	Ph.D. Reserch Student	Environmental science	MES Abasaheb Garware College Pune

58	S.Nandhini	Associate Professor	Microbiology	Ethiraj College for Women
59	Abishikha S	Student	Microbiology	Ethiraj College for Women
60	Mrunalini Sonne	PhD student	Biodiversity	Abasaheb Garware college Pune
61	S Supriya	Research Scholar	Food Science and Nutrition	Avinashilingam Institute for Home Science and Higher Education for Women
62	Elizabeth Leah Thomas	Research Scholar	Computer science	Avinashilingam Institute for Home Science and Higher Education for Women
63	M.Haritha	PhD Scholar	Food Science and Nutrition	Avinashilingam Institute for Home Science and Higher Education for Women
64	Anjana R	Phd scholar	Food science and nutrition	Avinashilingam Institute for Home Science and Higher Education for Women
65	K.Deepika	Research Scholar	Economics	Avinashilingam Institute for Home Science and Higher Education for Women
66	N. Bhuvaneshwari	Ph.D Scholar	Economics	Avinashilingam Institute for Home Science and Higher Education for Women
67	Kesar Chayal	Assistant Professor	Home -Science	Department of Home-Science, University of Rajasthan, Jaipur
68	Kalpana. S	Assistant Professor	B.Com PA	Kathir college of arts and science
69	Aswathi. i. R	PH. D	Economics	Avinashilingam institute for home science and higher education for women
70	Shameema P T	Research Scholar	Computer Science	Avinashilingam institute for home science and higher education for women
71	K.Devi	Assistant Professor(SS)	Food Science and Nutrition	Avinashilingam Institute for Home Science and Higher Education for Women
72	C. Abinaya	Research Scholar	Food Service Management and Dietetics	Avinashilingam Institute for Home Science and Higher Education for Women
73	Sanjib Mishra	Asst. Professor	BBA	Oxford College of Engineering and Management
74	Ligitha Sakthymayuran	Demonstrator	Department of Information Technology	Trincomalee Campus, Eastern University, Sri Lanka
75	Sarad Chandra Rawal	Principal	-	Spring Dell Academy, Nepal

## Acknowledgement

The organizers thank the authorities of Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore-43 for providing the necessary facilities and for the permission for the conduct of this event.

*AP Lakshmi*  
14/9/2023

## Sample Certificate



### **Avinashilingam Institute for Home Science and Higher Education for Women**

Deemed to be University Estd.u/s 3 of UGC Act 1956, Category A by MHRD  
Re-accredited with 'A++' Grade by NAAC. CGPA 3.65/4, Category I by UGC  
Coimbatore-641043, TamilNadu, India



### **AIU - Avinashilingam Institute - Academic & Administrative Development Centre (AIU-AI-AADC)**

### **& Research and Development Cell**

Certificate No: AIU - AI - AADC/ 2023 - 2024 / 06/ 053

## **CERTIFICATE OF PARTICIPATION**

This is to certify that

**Dr. Sanjib Mishra**

Assistant Professor, Department of Business Administration  
Oxford College of Engineering and Management  
has participated in the Sixth Short-Term Capacity Building Programme on

**Research Ecosystem and Technology** conducted by

**AIU - Avinashilingam Institute - Academic & Administrative Development Centre  
(AIU - AI- AADC) & Research and Development Cell** from

**28/08/2023 to 01/09/2023** and his performance was Excellent.

**Dr. K. Ramya**  
Nodal Officer  
AIU-AI-AADC

**Dr. P. Lalitha**  
Director R&D I.c &  
Programme Coordinator

**Dr. Amarendra Pani**  
Joint Director & Head  
Research Division, AIU

**Dr. Pankaj Mittal**  
Secretary General  
AIU

**Dr. S. Kowsalya**  
Registrar  
Avinashilingam Institute

**Dr. V. Bharathi Harishankar**  
Vice Chancellor  
Avinashilingam Institute

AIU-AI-AADC  
&  
Research and Development Cell  
Jointly organizes  
Sixth Short-Term Capacity Building Program on ‘Research Ecosystem and Technology’  
28.8.2023-1.9.2023

<b>Date/Day</b>	<b>Session I 9.30 am to 11.00 am</b>	<b>Session II 11.15 am to 12.45 pm</b>	<b>Session III 1.30 pm to 3.00 pm</b>	<b>Session IV 3.15 pm to 4.45 pm</b>
<b>Day 1</b> <b>28/08/2023</b> <b>Monday</b> <b>Responsible</b> <b>Research</b>	<b>Inauguration &amp; Special Address</b>  <b>Dr. Mangala Sunder Krishnan</b> Department of Chemistry Indian Institute of Technology, Chennai, Tamil Nadu, India - 600036.  E-Mail : <a href="mailto:mangal@iitm.ac.in">mangal@iitm.ac.in</a> Mobile : 7200008706	<b>Research Ethics , Dilemma and Responsibilities</b>  <b>Dr.K K Kailash</b> Professor, Department of Political Science/ School of Social Science, University of Hyderabad.  E-Mail : <a href="mailto:kailashkk@uohyd.ac.in">kailashkk@uohyd.ac.in</a> Mobile : 9447670556	<b>Institutional Regulatory Board guidelines for research</b>  <b>Prof.S.P.Thyagarajan</b> Distinguished Professor & Advisor to Chancellor, VIT Universities.  E-Mail : <a href="mailto:Profsppt@gmail.com">Profsppt@gmail.com</a> Mobile : 9840046575	<b>Facilities for Research and Design Expert software</b>  <b>Dr.P.Lalitha</b> Director R&D Ms.A.PonNivetha (Research scholar)  E-Mail : <a href="mailto:dean_research@avinuty.ac.in">dean_research@avinuty.ac.in</a> Mobile : 9842292614
<b>Day 2</b> <b>29/08/2023</b> <b>Tuesday</b> <b>Research</b> <b>Processes and</b> <b>Tools</b>	<b>Conducting Review of Literature using R programming and simple referencing methods</b>  <b>Dr.Kuralarasan Kumar</b> Ghent University, Belgium  E Mail : <a href="mailto:Kuralarasan.Kumar@ugent.be">Kuralarasan.Kumar@ugent.be</a> Mobile : 9710673153	<b>Turnitin and Grammarly Software</b>  <b>Ms.J.Geetha</b> Information Scientist, Avinashilingam Institute, Coimbatore.  E-Mail : <a href="mailto:geetha_lib@avinuty.ac.in">geetha_lib@avinuty.ac.in</a> Mobile : 9894080822	<b>Open Research</b>  <b>Dr. M.V Subha</b> Associate Professor, Department of Management Studies, Anna University Regional Centre, Coimbatore.  E-Mail : <a href="mailto:subhamv@gmail.com">subhamv@gmail.com</a> Mobile : 9994299995	<b>“End Note Magic: Research Management Unleashed”</b>  <b>Dr. Fazlunnisa H</b> Assistant Professor Department of Library & Information Science, University of Madras  E-Mail : <a href="mailto:fazul_8383@yahoo.com">fazul_8383@yahoo.com</a> Mobile: 9941322008

Date/Day	Session I 9.30 am to 11.00 am	Session II 11.15 am to 12.45 pm	Session III 1.30 pm to 3.00 pm	Session IV 3.15 pm to 4.45 pm
<b>Day 3</b> <b>30/08/2023</b> <b>Wednesday</b> <b>Research Tools</b>	<b>Researgence RIMS</b>  <b>Shri. Cedric Joseph</b> CEO CIntelligence.  EMail : <a href="mailto:Cedric@cintelservices.com">Cedric@cintelservices.com</a>	<b>IPR, Patents and Copyrights</b>  <b>Dr. Bharat N Suryawanshi</b> Assistant Controller of Patents & Designs.  Email : <a href="mailto:bharatns.ipo@nic.in">bharatns.ipo@nic.in</a> Mobile: 09892605892	<b>Statista: Research database</b>  <b>Shri. Stani John</b> Statista India Private Limited DLF Phase 5, Gurugram, Haryana 122002.  Email : <a href="mailto:stani.john@statista.com">stani.john@statista.com</a> Mobile: 9804223344	<b>Literary Research Trends: Doing Environmental Humanities</b>  <b>Dr. Pramod K. Nayar</b> Professor, Department of English, University of Hyderabad.  Email : <a href="mailto:pramodknayar@gmail.com">pramodknayar@gmail.com</a>
<b>Day 4</b> <b>31/08/2023</b> <b>Thursday</b> <b>Research Outcome</b>	<b>Publishing in quality academic journals-journal selection</b>  <b>Prof. Ramesh Sivanpillai</b> Senior Scientist, University of Wyoming  EMail : <a href="mailto:sivan@uwyo.edu">sivan@uwyo.edu</a>	<b>UGC CARE listed Journals and Communicative research -</b>  <b>Dr. Shubada Nagakar</b> SPPU university.  EMail : <a href="mailto:shubha.nagarkar@gmail.com">shubha.nagarkar@gmail.com</a> Mobile : 9822014134	<b>Selection of Right Journals</b>  <b>Dr. P. Lalitha</b> Director R&D, Avinashilgam Institute, Coimbatore.  EMail : <a href="mailto:Dean_research@avinuty.ac.in">Dean_research@avinuty.ac.in</a> Mobile : 9842292614	<b>Mastering Innovation: Navigating the PCT for Global Patent Success</b>  <b>Dr. Deepa Boppana</b> Attorney, Chennai  Email : <a href="mailto:intellpat@gmail.com">intellpat@gmail.com</a>
<b>Day 5</b> <b>01/09/2023</b> <b>Funding Opportunities for Research</b>	<b>Supporting early – career researchers: Grants and Fellowships</b>  <b>Dr. Anita Aggarwal</b> Head, TDT  EMail : <a href="mailto:anita.a@nic.in">anita.a@nic.in</a>	<b>Researcher to Entrepreneur</b>  <b>Dr. Pavithra Ravi</b> CEO, Frontoclub and Founder of @atom Coimbatore, CSIR Fellow.	<b>Multidisciplinary Skills in Achieving Sustainable Development Goals</b>  <b>Prof. Wong Ling Shing</b> Pro Vice Chancellor Professor in Biotechnology, INTI international University, Malaysia.  EMail : <a href="mailto:lingshing.wong@newinti.edu.my">lingshing.wong@newinti.edu.my</a>	<b>Valediction and Special Address</b>  <b>Dr. Hemanth Kumar Aiyer</b> Senior Lead Scientist, Aditya Birla Science & Technology Centre, Mumbai, Maharashtra, India  EMail : <a href="mailto:hemantiisc@gmail.com">hemantiisc@gmail.com</a>

**Avinashilingam Institute for Home Science and Higher Education for Women  
Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by  
MHRD Re-accredited with 'A++' Grade by NAAC.CGPA 3.65/4, Category  
I by UGC Coimbatore-641 043, Tamil Nadu, India**



**AIU – Avinashilingam Institute –  
Academic and Administrative Development Centre  
(AIU-AI-AADC)**

**&**

**Research and Development Cell  
Jointly Organizes**

**VI Short Term Capacity Building Programme  
on  
Research Ecosystem & Technology**

**28.8.2023-1.9.2023**

**Mode : online**

## **ABOUT THE INSTITUTE**

Avinashilingam Institute for Home Science and Higher Education for Women - the epitome of higher education is one of the premier institutions in India well known for its commitment towards the empowerment of women through value based and holistic education. The institute follows educational ideals of Sri Ramakrishna, Holy Mother Sri Saradamani Devi, Swami Vivekananda and Mahatma Gandhiji. The institute is one of the significant contributions of Padma Bhushan, Dr. T. S. Avinashilingam, an illustrious educationist, freedom-fighter and Gandhian and Dr. Rajammal P. Devadas, the world- renowned nutritionist.

The Institute had its humble beginning in the year 1957 as Sri Avinashilingam Home Science College for Women and has been conferred the Deemed to be University by MHRD in 1988. Few of the recent accolades of the Institute includes: A++ with CGPA of 3.65/4 by NAAC; 84<sup>th</sup> Rank in NIRF, 5<sup>th</sup> Rank under the category of 'University & Deemed to be University (Govt. & Govt. Aided) Technical' in ARIIA –2021.

Presently, the institution is progressing towards 'beyond-excellence' under the able guidance and leadership of Dr.T. S. K. Meenakshi Sundaram, Managing Trustee and Chancellor, Dr. V. Bharathi Harishankar, Vice Chancellor and Dr. S. Kowsalya, Registrar.

## **ASSOCIATION OF INDIAN UNIVERSITIES – A BRIEF INTRODUCTION**

Association of Indian Universities (AIU) is an apex inter university representative body of universities and other higher education institutions in the country. Established in 1925 as the Inter University Board (IUB) of India, it acquired its legal status as a registered society in 1967 under the Societies Registration Act 1860 and was rechristened as Association of Indian Universities (AIU) in 1973. AIU is the second oldest university association in the world next to the Association of Commonwealth Universities which was established in 1913.

It has the distinct feature of having the largest network of universities and other HEIs under its ambit with 921 members (907 Indian & 14 Associate Members of Foreign Countries). The membership of AIU includes all types of universities e.g., Conventional Universities, Open Universities, Deemed to be Universities, State Universities, Central Universities, Private Universities and Institutes of National Importance.

In addition to Indian Universities, Universities / Institutes from Bangladesh, Bhutan, Republic of Kazakhstan, Malaysia, Mauritius, Nepal, Thailand, United Arab Emirates and United Kingdom are its Associate Members. Since its inception AIU has played a very significant role in the development of Education in the Country.

Some of the eminent scholars and visionary leaders like Dr Sarvepalli Radhakrishnan, Dr Shyama Prasad Mukherjee, Dr Zakir Hussain, Sir. A. L. Mudaliar have given leadership to AIU. During such a long journey, AIU has carved a niche for itself by serving the Ministry of Education, Govt. of India as a research-based policy advisory body. Being an apex institution, it constitutes an integral part of all major decision-making committees and commissions in the country

As an academic 'think tank' organization, AIU supports the Government as research-based policy advisory body with the wider mandate of taking up research projects on higher education policy and capacity building. It also acts as a bureau of information on higher education; liaise with international bodies and universities for internationalization of Indian higher education among many others. The Vision of AIU is to emerge as a dynamic service and apex advisory organization in India by undertaking initiatives and programmes which could strengthen and popularize Indian higher education as leading-edge system in the world and promote greater national and international collaboration in Higher Education, Research, Extension, Sports, Youth and Cultural Activities.

It is bestowed with the mission of promoting and representing the Indian Universities and other higher education institutions through strong liaison with the government and National/International organizations, sister associations world over and establish liaison between/among universities through active support, cooperation and coordination among the member universities and all its stakeholders for quality education, research and other academics and extension activities.

## ABOUT THE CENTRE

AIU–Avinashilingam Institute -Academic and Administrative Development Centre (AIU-AI-AADC) has been initiated by the institute in association with Association of Indian Universities (AIU) as a step towards training the human resources of higher education institutions. The specific objectives of the centre are:

- Facilitate learning through Performance Improvement Programmes for different groups (Administrators/Teaching Faculty/Non-Teaching staff Research Scholars/Technical Personnel) towards progression based on their career stages.
- Enable continuous learning through rigorous need-based training sessions
- Sensitize stakeholders on recent developments in higher education system in the country and across the world.
- Equip academic / administrative / technical / information personnel with the requisite skills on ICT to handle their work effectively.
- Develop integrity and professional ethics among higher education personnel.
- Strengthen the human capital of the country with right attitude, skills, and knowledge

## VISION

To facilitate value-based transition towards changing higher education ecosystem through continuous capacity building.

## MISSION

To impart ICT enabled training to human resources of higher education institutions thereby preparing themselves towards Education 5.0.

## ABOUT THE PROGRAMME

This five-day programme is designed to equip aspiring researchers with essential skills and knowledge to thrive in the dynamic world of research. This short-term program aims to empower the participants with insights into the research ecosystem, cutting-edge technologies, and best practices that will bolster the quality and impact of research projects. The programme is aimed at understanding the research ecosystem, research methodologies and techniques, Research ethics and integrity, policies and guidelines for research, research processes and research outcome.

This programme provides a unique opportunity for the participants to broaden their horizons, collaborate with peers and experts from diverse fields, and equip themselves with the skills and knowledge needed to succeed in the ever-evolving research landscape.

We look forward to embarking on this transformative journey with you, empowering you to become trailblazers in your respective domains of research.

## OBJECTIVES

- To familiarize participants with scientific research processes and tools
- To promote ethical research practices
- To explore how technology is transforming the research landscape
- To enhance participants' research writing and communication skills
- To provide insights into data management best practices
- To educate participants on intellectual property rights, patent filing procedures, and commercialization of research outcomes.
- To encourage interdisciplinary collaboration among researchers and promoting a strong professional network

# TARGET PARTICIPANTS

Teachers and budding researchers

**Mode of delivery** : online

**Duration** : 28.8.2023 to 1.9.2023

## TENTATIVE LIST OF RESOURCE PERSONS

- **Prof. S.P.Thyagarajan**, Advisor to Chancellor, Vellore Institute of Technology, Chennai.
- **Dr. Deepa Boppana**, Attorney, Chennai.
- **Dr. Shubada Nagakar**, Associate Professor, Department of Library & Information Science, SPPU university, Pune.
- **Prof. Ramesh Sivanpillai**, Senior Scientist, University of Wyoming
- **Dr. HemanthKumar Aiyer**, Senior Lead Scientist, Aditya Birla Science & Technology Center, Mumbai, Maharashtra, India
- **Dr. Pramod K. Nayar**, Professor University of Hyderabad Sciences:
- **Prof. Wong Ling Shing**, Professor in Biotechnology, INTI international University, Malaysia.
- **Dr. K.K. Kailash**, Professor, Department of Political Science/ School of Social Science, Hyderabad.
- **Dr. Anita Aggarwal**, Head TDT, DST
- **Dr. Kuralarasan Kumar**, Ghent University, Belgium.
- **Dr.P.Lalitha**, Director R&D, Avinashilingam Institute for Homescience and Higher Education for women, Coimbatore.
- **Ms.J.Geetha**, Information Scientist, Avinashilingam Institute for Homescience and Higher Education for women, Coimbatore.
- **Dr. Fazlunnisa. H**, Assistant Professor Department of Library & Information Science, University of Madras.
- **Dr.M.V. Subha**, Associate Professor, Department of Management Studies, Anna University Regional Center, Coimbatore
- **Dr. Bharat N Suryawanshi**, Assistant Controller of Patents & Designs
- **Shri.Cedric Joseph**, CEO Cintelligence
- **Shri.Stani John**, Statista India Private Limited Haryana
- **Dr. Mangala Sunder Krishnan**, Department of Chemistry Indian Institute Technology, Chennai.
- **Dr. Pavithra Ravi**, CEO, Frontoclub and Founder of @atom, Coimbatore, (CSIR Fellow).

# PROGRAMME SCHEDULE

**Day: 1, Date: 28.8.2023**

Responsible Research

- Inauguration & Special Address
- Research Ethics , Policies and Guidelines
- Institutional Regulatory Board guidelines for research
- Empowering researchers -Training/courses for researchers

**Day: 2, Date: 29.8.2023**

Research Processes and Tools

- Tools for Data collection
- Interdisciplinary and Multidisciplinary research- Networking and building confidentiality
- Turnitin and Grammarly Software
- Endnote: Significance and Demonstration

**Day: 3, Date: 30.8.2023**

Research Tools

- Researgence – an RIMS software
- Facilities for Research and Design Expert software
- Statista: Research database
- Effective use of SPSS

**Day: 4, Date: 31.8.2023**

Research Outcome

- Publishing in quality academic journals-journal selection
- UGC CARE listed Journals and Communicative research
- IPR, Patents and Copyrights
- Mastering Innovation: Navigating the PCT for Global Patent Success

**Day: 5, Date: 1.9.2023**

Funding Opportunities for Research

- Supporting early – career researchers: Grants and Fellowships
- Fellowships and Scholarships for researchers , Collaborative research proposals
- Domain specific research: Breakout rooms for Humanities, Management and Sciences
- Valediction and Special Address

## REGISTRATION

**REGISTRATION LINK** : <https://forms.gle/tGa4KCbEKRkq8LAh6>

**FEE** : Rs. 750/-

## PAYMENT DETAILS

### **BANK ACCOUNT DETAILS**

**Account Name** : Avinashilingam Institute for Home Science  
and Higher Education for Women

**Name of the Bank** : Indian Bank

**Bank Account Number** : 917248759

**IFSC Code** : IDIB000A005

## AI ADVISORS

**Dr. T. S. K. MEENAKSHISUNDARAM**, Managing Trustee & Chancellor

**Dr. V.BHARATHI HARISHANKAR**, Vice Chancellor

**Dr. S. KOWSALYA**, Registrar

## AIU ADVISORS

**Dr. PANKAJ MITTAL**, Secretary General, AIU

**Dr. AMARENDRA PANI**, Joint Director & Head, Research Division, AIU

## PROGRAMME COORDINATOR

**Dr. P.LALITHA**,

Director R&D i.c

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## REACH US AT:

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Nodal Officer

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Special thanks to:

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- **Dr. V. Bharathi Harishankar, Vice Chancellor**
- **Dr. S. Kowsalya, Registrar**

**AIU Advisors**

- **Dr. Pankaj Mittal, Secretary General, AIU**
- **Dr. Amarendra Pani, Joint Director & Head, Research Division, AIU**

We extend our heartfelt gratitude to all the Invited Guests, Resource Persons, HEI's, Coordinators, Committee Members, Technical staff for their unwavering support!

We sincerely thank each attendee for their participation and enthusiasm!

Welcoming you all again in the future!



**Dr. K. Ramya**

**Nodal Officer, AIU-AI-AADC**

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