MARUDHAR KESARI JAIN COLLEGE FOR WOMEN

(AUTONOMOUS)

VANIYAMBADI, TIRUPATTUR DT – 635 751

- Recognized u/s 2(f) & 12(B) of UGC Act 1956
- Permanently Affiliated to Thiruvalluvar University
- Supported by DST - FIST | DBT STAR College Scheme

A+ NAAC ACCREDITED | INSTITUTION'S INNOVATION COUNCIL

PG & Research Department of Biochemistry

Organizes

Faculty Development Prognamme

on

ICT TOOLS FOR SCIENTIFIC RESEARCH

RESEARCH
ANALYSIS
INNOVATION

Supported by

DBT STAR COLLEGE SCHEME

Date : 24.10.2026 | Time : 10.00 am | Venue : Sri Arihanth Seminar Hall

Resource Person



Dr. Monisha Prasad

Associate Professor &
Medical Biochemistry Researcher
Dept. of Community Medicine
Saveetha Medical College, SIMATS
Chennai, Tamil Nadu

Registration Fees
Rs. 200

Scan For Registration

HYBRID MODE

PRINCIPAL
Marudhar Kesari Jain College for Women (Autonomous)
Vaniyambadi - 635 751
Tirupattur District

Sri. V. Dilip Kumar Jain	Sri. Anand Singhvi	Dr. M. Inbavalli	Dr. M. Gomathi	Dr. R. Malarkodi
President	Secretary	Principal	DBT STAR College Coordinator	Head

MARUDHAR KESARI JAIN COLLEGE FOR WOMEN
(AUTONOMOUS)
VANIYAMBADI

33 Years of Educational Excellence...

PG & RESEARCH DEPARTMENT OF BIOCHEMISTRY

Organizes

Faculty Development Programme (FDP)

On

"ICT Tools for Scientific Research"

Supported by the DBT STAR College Scheme

AGENDA

Date: 24.10.2026

Venue: Sri Arihanth Seminar Hall **Time: 10.00 a.m.**

Prayer	
Welcome Address	**: Ms. S. Sasikala, AP, Biochemistry**
Felicitation	**: Dr. M. Inbavalli, Principal, MKJC**
Guest Introduction	**: Dr. M. Renuka, AP, Biochemistry**
Honoring the Chief Guest	**: Dr. M. Inbavalli, Principal, MKJC**
Resource Person	**: Dr. Monisha Prasad** **Associate Professor and** **Medical Biochemistry Researcher** **Department of Community Medicine** **Saveetha Medical College, SIMATS, Chennai. T.N.**
Vote of Thanks	**: Ms. R. Padmini, AP, Biochemistry**
Masters of Ceremony	**: Dr. M. Punithvathi, AP, Biochemistry &** **Ms. M. Shobana, AP, Biochemistry**
National Anthem	

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Activity Report

Faculty Development Programme on ICT Tools for Scientific Research

The PG & Research Department of Biochemistry, Marudhar Kesari Jain College for Women (Autonomous), Vaniyambadi, organized a Faculty Development Programme (FDP) on "ICT Tools for Scientific Research" on 24 October 2026 at 10.00 a.m. The programme was conducted in hybrid mode at the Sri Arihanth Seminar Hall and supported by the DBT STAR College Scheme. The programme aimed to familiarize participants with digital tools and resources that support literature searching, research data analysis, scientific writing, publication and research integrity.

The resource person was **Dr. Monisha Prasad**, Associate Professor and Medical Biochemistry Researcher, Department of Community Medicine, Saveetha Medical College, Saveetha Institute of Medical and Technical Sciences (SIMATS), Chennai, Tamil Nadu. She explained the use of journal indexing and researcher-identification platforms, research and image-analysis software, AI-assisted writing tools, plagiarism checkers and reference-management applications.

Input (Objectives)

- To introduce participants to major scholarly indexing and literature databases, including PubMed, Scopus, Web of Science and Elsevier research platforms.
- To explain the importance of researcher profiles and identifiers, including ORCID and ResearchGate profiles, for research visibility and professional identification.
- To familiarize participants with research and data-analysis tools such as GraphPad Prism, IBM SPSS and ImageJ, along with BioRender for scientific illustrations.
- To demonstrate journal-finder resources and explain how to identify journals suitable for a manuscript and its subject area.
- To create awareness of plagiarism-checking tools, grammar-support applications such as Grammarly, and paraphrasing tools such as QuillBot, with emphasis on responsible use.
- To introduce reference-management tools such as Zotero and Mendeley and explain their value in organizing citations and bibliographies.
- To highlight research ethics, publication policies, appropriate reference selection and the responsible use of AI tools such as ChatGPT in scientific writing.

Process

Dr. Monisha Prasad, Associate Professor and Medical Biochemistry Researcher, Department of Community Medicine, Saveetha Medical College, Saveetha Institute of Medical and Technical Sciences (SIMATS), Chennai introduced Scholarly Databases, Researcher Profiles and Scientific Research Tools. The resource person explained the purpose of scholarly databases and indexing platforms, including PubMed, Scopus, Web of Science and Elsevier-related research resources. She discussed the importance of using appropriate databases to identify relevant literature and assess the visibility and suitability of journals. Researcher profiles and identifiers, including ORCID and ResearchGate, were also introduced as tools for author identification, research networking and improving the discoverability of scholarly work. The session covered GraphPad Prism and IBM SPSS for statistical analysis, ImageJ for image analysis, and BioRender for preparing scientific illustrations and graphical representations.

The resource person also discussed journal-finder tools and plagiarism-checking resources. Participants were advised to check a journal's scope, indexing status, author instructions and publication policies before submission. The session highlighted the importance of selecting relevant, reliable and current references for the review of literature and discussion sections. Grammarly and QuillBot were introduced as writing-support tools, while Zotero and Mendeley were explained as reference-management tools for organizing literature, inserting citations and preparing reference lists. The resource person discussed the use of AI tools such as ChatGPT to support planning, language improvement and drafting in scientific writing. She emphasized that AI tools should not replace the researcher's critical thinking, subject expertise or responsibility for the accuracy of a manuscript. Participants were encouraged to verify information against reliable sources, acknowledge AI use where required by journal policy, protect confidential information and avoid fabricated citations or unsupported claims. The importance of research ethics, publication policies, originality, proper citation and responsible reference selection was emphasized throughout the session.

OUTPUT

- Participants gained awareness of scholarly databases and indexing platforms relevant to scientific literature searching.
- Participants were introduced to ORCID and ResearchGate profiles and their role in researcher identification and research visibility.
- Participants gained an overview of GraphPad Prism, IBM SPSS, ImageJ and BioRender for data analysis, image analysis and scientific illustration.
- Participants learned about journal-finder resources and key checks to make before selecting a journal for manuscript submission.
- Participants understood the role of plagiarism checkers.

- Participants were introduced to Zotero and Mendeley for reference organization, citation insertion and bibliography preparation.
- The programme supported research capacity-building and can be aligned with SDG 4 (Quality Education), SDG 9 (Industry, Innovation and Infrastructure) and SDG 17 (Partnerships for the Goals).

Total number of participants: Internal External (Online)-09 INTERNAL - 40

OUTCOME

The programme is expected to strengthen participants' ability to use digital resources and research-support tools responsibly throughout the research and publication process.

- Improved awareness of scholarly databases, indexing platforms and researcher identifiers.
- Better understanding of journal selection, plagiarism checking and responsible scientific writing.
- Improved awareness of reference-management tools and the importance of selecting appropriate references.
- Greater understanding of research ethics, publication policies and the limitations of AI-assisted writing.
- The programme is expected to encourage more systematic, ethical and efficient preparation of research manuscripts.

27/12/2025 6/11/2025

HOD **DBT Star -Coordinator** **IQAC Director** **Principal**

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MARUDHAR KESARI JAIN

College for Women (Autonomous), Vaniyambadi

33 Years of Educational Excellence...

Topic : **"ICT Tools for Scientific Research"**

Supported by DBT STAR COLLEGE SCHEME

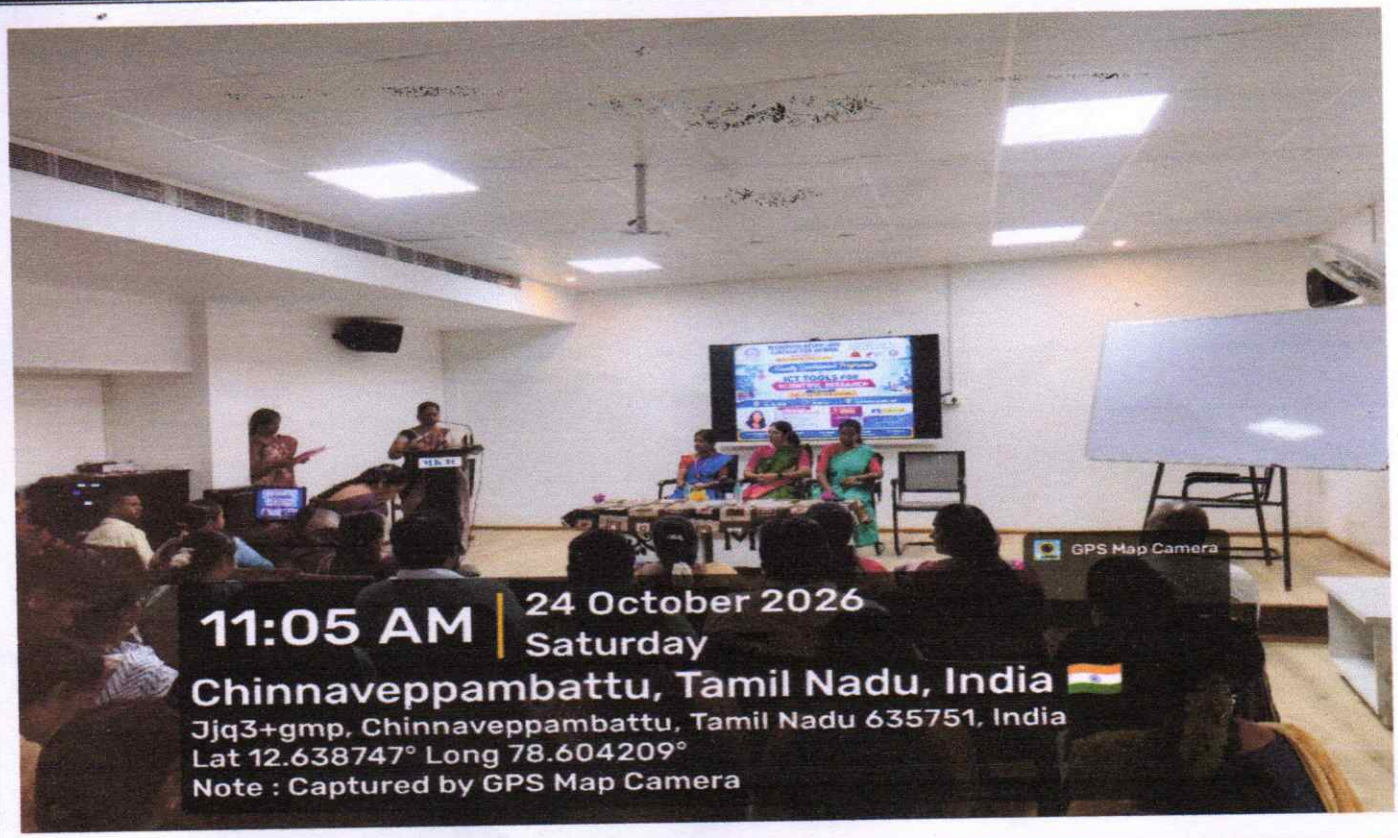
Date : 24.10.2026

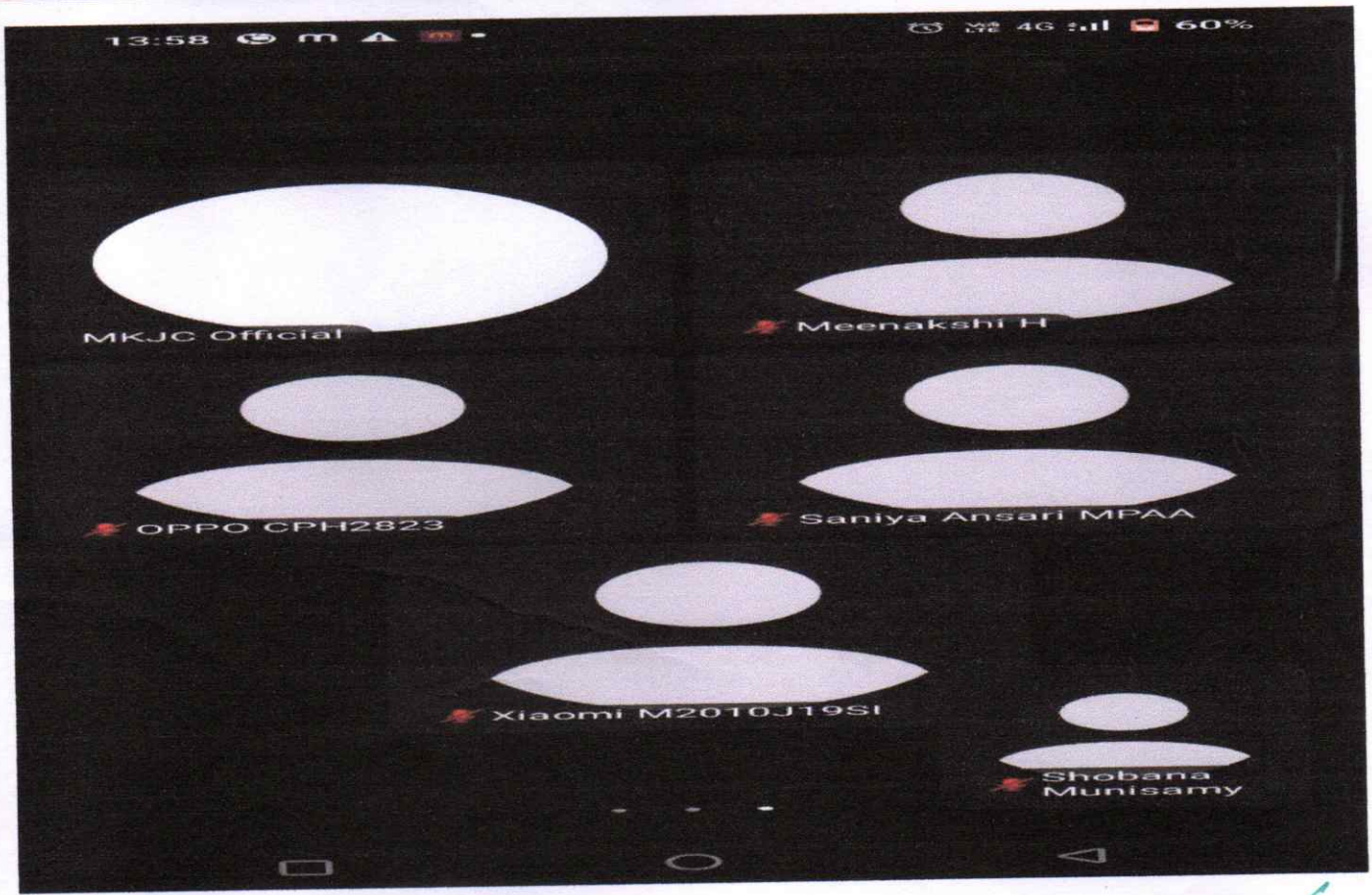
Organized by: PG and Research Department of Biochemistry

Venue : Sri Arihanth Seminar Hall









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