

Program Content

- **Day 1: Introduction to Research Tools and Citation Management** (Introduction to citation management tools (e.g., EndNote, Zotero, Mendeley).
- **Day 2: Data Analysis Tools** (R, Python with pandas and numpy)
- **Day 3: Collaboration and Project Management Tools** (Microsoft Teams, google meet)
- **Day 4: Academic Writing and Editing Tools** Overview of writing tools (e.g., LaTeX, Overleaf, Grammarly).
- **Day 5: Presentation and Visualization Tools** Introduction to presentation tools (e.g., Microsoft PowerPoint, Google Slides).
- **Day 6: Review, Q&A, and Networking** - Review of key tools and concepts covered during the workshop

Program Delivery:

1. **Lectures and Demonstrations:** Use presentations, live coding, and demonstrations to introduce concepts and techniques.
2. **Hands-on Exercises:** Provide participants with coding exercises and assignments to reinforce learning.
3. **Resources:** Provide access to online tutorials, documentation, and forums for continuous learning.
4. **MATLAB Mobile Application Introduction**
5. **Self faced course Certificate from MathWorks Company**

Certificates

E-CERTIFICATE WILL BE PROVIDED TO ALL THE REGISTERED PARTICIPANTS ATTENDING THE PROGRAM AFTER SUBMISSION OF & FEED BACK

Who can attend the workshop

This SDP is offered only for Research scholars

Need and Motivation

- **Unlock the full potential of your research endeavors with our "Mastering Research Tools: A Hands-On Workshop."** This intensive 6-day program is designed to empower researchers, students, and professionals with the essential skills and proficiency in utilizing cutting-edge research tools.
- **Participants will engage in interactive sessions, gaining hands-on experience with citation management, data analysis, collaboration tools, academic writing and editing, as well as presentation and visualization tools.**
- **Led by experienced facilitators, this workshop aims to elevate your research capabilities, enhance collaboration, and provide practical insights for navigating the dynamic landscape of modern research.**
- **Program Schedule**



D.K.M. COLLEGE FOR WOMEN
(AUTONOMOUS)
Accredited by NAAC with 'A' Grade
Affiliated to Thiruvalluvar University
Sainathapuram, Vellore – 632 001
Website: www.dkmcollege.ac.in

Six Days Student Development Program On
"Mastering Research Tools: A Hands-On Workshop"
Jan 2nd to Jan 8th 2024
Time: 12.30 pm to 1.30 pm
Venue: MATLAB, FIST



Organised by :
IQAC

Objectives

This Student Development Program (SDP) aims at deliberation, sharing knowledge to the target audience about the significance of Research tools with hands on training, which can enable them to use it as a tool for their research in their respective field. The discussion shall foster applications in mastering research tools. Also this program provides an excellent opportunity to exchange ideas on the topics of importance along with thought provoking technical sessions.

An Overview of the Programme

ONE WEEK STUDENT DEVELOPMENT PROGRAMME

TITLED

“MASTERING RESEARCH TOOLS : A HANDS ON TRAINING”

Date : 02.01.2024- 09.01.2024

Time : 11.00 a.m.- 12.30 p.m.

One week Student Development Programme titled “**MASTERING RESEARCH TOOLS: A HANDS ON TRAINING**” was held at D.K.M College for Women (Autonomous), Vellore from 02.01.2024 to 09.01.2024 between 11.00 A.M. and 12.30 P.M. organised by Internal Quality Assurance Cell. Dr. T. Bharathi, IQAC Coordinator welcomed the gathering and introduced the distinguished resource person Dr. M. Vasumathy., Assistant Professor, Department of Computer Science and Applications, D.K.M. College for Women (Autonomous), Vellore.

The resource person delivered lecture on ‘Mastering Research Tools : A Hands on Training’ from 11.00 A.M. to 12.30 P.M. for Six Days. The Workshop provided hands on training to the students on various research tools and provided access to computers with necessary software installed. Comprehensive tutorials for each research tool have been provided by the resource person. She encouraged participants to bring their research projects and raw data for practical application. The participants were made involved in interactive elements like group activities and discussions. The Workshop ended with vote of thanks proposed by Dr. T. Gomathi, Member, IQAC. On the last day of the Workshop, students were provided with online feedback form to register their insights about the training. On the submission of the feedback, students received their online certificates.







CIRCULAR

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE IQAC CIRCULAR- 16

20.12.2023

IQAC of our college is conducting an one week Student Development Programme (SDP) on the theme "Mastering in Research Tools with Hands on Training" from 2nd January 2024 to 9th January 2024 between 11.00 am to 12.30 pm at MAT Lab for the full-time research scholars of our college. The part-time scholars, if they are interested could attend the programme. The registration fee is Rs. 200/. E-Certificate will be provided after the successful completion of the programme. The research supervisors are requested to motivate their full-time research scholars to attend the programme compulsorily. Also, you are requested to furnish the details given below.

S. No.	Name of the research scholars & their contact number	Department	Name and Signature of the Supervisor
1.	Ms. Raguja Firdous 9080581306	Commerce	Pr. P. T. Dr. T. Bharathi
2.	Mrs. V. Priyanka 6381252575	Commerce	A. S. S.
3.	Mrs. M. Mahalakshmi 9080640368	Commerce	G. S.
4.	Ms. K. Priyanka 9904175654	Commerce	K. S.
5.	Mrs. Priyadarshini 9976483646	Commerce	K. S.
6.	Mrs. Pournima .M. 9677477007	Mathematics	R. S.
7.	Mrs. Jayapriya 6381539672	Mathematics	R. S.
8.	K. Netha 7639498572	Zoology	V. S.

9.	S. Priyadarshini 9994849991	Zoology	For 
10.	G. Reshma 9894245957	Microbiology	
11.	B. Rajalakshmi 6380091767	Microbiology	
12.	S. Ramya 9581694925	Microbiology	
13.	REKHA A 8754636333	Microbiology	
14.	S. Anuradha 9789691278	Microbiology	
15.			
16.			
17.			
18.			
19.			
20.			

Note: The brochure will be shared in whatsapp group later.


IQAC Coordinator 20/12/2023.


Principal

BROUCHER

Program Content

- Day 1: Introduction to Research Tools and Citation Management (Introduction to citation management tools (e.g., EndNote, Zotero, Mendeley).
- Day 2: Data Analysis Tools (R, Python with pandas and numpy)
- Day 3: Collaboration and Project Management Tools (Microsoft Teams, google meet)
- Day 4: Academic Writing and Editing Tools Overview of writing tools (e.g., LaTeX, Overleaf, Grammarly).
- Day 5: Presentation and Visualization Tools Introduction to presentation tools (e.g., Microsoft PowerPoint, Google Slides).
- Day 6: Review, Q&A, and Networking - Review of key tools and concepts covered during the workshop

Program Delivery:

1. Lectures and Demonstrations: Use presentations, live coding, and demonstrations to introduce concepts and techniques.
2. Hands-on Exercises: Provide participants with coding exercises and assignments to reinforce learning.
3. Resources: Provide access to online tutorials, documentation, and forums for continuous learning.
4. MATLAB Mobile Application Introduction
5. Self faced course Certificate from MathWorks Company

Certificates

E-CERTIFICATE WILL BE PROVIDED TO ALL THE REGISTERED PARTICIPANTS ATTENDING THE PROGRAM AFTER SUBMISSION OF FEED BACK

Who can attend the workshop

This SDP is offered only for Research scholars

Need and Motivation

- Unlock the full potential of your research endeavors with our "Mastering Research Tools: A Hands-On Workshop." This intensive 6-day program is designed to empower researchers, students, and professionals with the essential skills and proficiency in utilizing cutting-edge research tools.
- Participants will engage in interactive sessions, gaining hands-on experience with citation management, data analysis, collaboration tools, academic writing and editing, as well as presentation and visualization tools.
- Led by experienced facilitators, this workshop aims to elevate your research capabilities, enhance collaboration, and provide practical insights for navigating the dynamic landscape of modern research.
- Program Schedule



D.K.M. COLLEGE FOR WOMEN
(AUTONOMOUS)
Accredited by NAAC with 'A' Grade
Affiliated to Thiruvalluvar University
Sainathapuram, Vellore - 632 001
Website: www.dkmcollege.ac.in

One week Student Development Program On
"Mastering Research Tools: A Hands-On
Training"

2nd Jan - 9th Jan 2024

Time: 11.00 am to 12.30 pm

Venue: MATLAB, FIST

Resource Person :Dr. M.Vasumathy
Assistant Professor, DKM College for Women



Organised by :

IQAC

Objectives

This Student Development Program (SDP) aims at deliberation, sharing knowledge to the target audience about the significance of Research tools with hands on training, which can enable them to use it as a tool for their research in their respective field. The discussion shall foster applications in mastering research tools. Also this program provides an excellent opportunity to exchange ideas on the topics of importance along with thought provoking technical sessions.

RESOURCE PERSON'S PROFILE

Dr. M. Vasumathy is an accomplished Professional Data Scientist with a Ph.D. in Computer Science and Engineering. Throughout her academic journey, she has excelled, obtaining distinctions, awards, and recognition for her valuable contributions. Dr. Vasumathy's research prowess is evident through her four Indian patent publications and numerous indexed journal and book chapter publications. Her expertise spans machine learning algorithms, digital image processing, and Artificial Intelligence tools.

In the software industry, Dr. Vasumathy has gained extensive experience, contributing as a Full Stack Software Engineer at Surgeforth Technologies and a Software Developer at Keane International India PVT LTD. She has also been a dedicated educator, serving as an Assistant Professor at various institutions, including D.K.M. College for Women.

As the Head of Software Development Cell and IPR Coordinator in her current institution, Dr. Vasumathy has showcased leadership and organizational skills. She played a pivotal role in organizing national-level events, such as the National IP Awareness Mission (NIPAM) training program.

Dr. Vasumathy's technical skills encompass a wide array of programming languages, databases, web servers, and tools. She is a respected member of professional organizations, including JS Research and IT Services and the International Association of Engineers (IAENG). Her extensive list of awards, recognitions, and contributions to research underscore Dr. Vasumathy's commitment to excellence.

PROGRAMME SCHEDULE

D.K.M. College for Women (Autonomous), Vellore-1

INTERNAL QUALITY ASSURANCE CELL

STUDENT DEVELOPMENT PROGRAMME ON

“MASTERING RESEARCH TOOLS: A HANDS ON WORKSHOP”

Date: 02.01.2024- 08.01.2024

Venue: MAT Lab , FIST Block, D.K.M College for Women

Time: 11.00 a.m.- 12.30 p.m.

Resource Person : Dr. M. Vasumathy

Assistant Professor,

Department of Computer Science and Applications,

D.K.M College for Women (Autonomous), Vellore-1.

Day 1 (02.01.2024) : Introduction to Research Tools and Citation Management

- Welcome and Icebreaker activities.
- Overview of the workshop objectives and agenda.
- Importance of research tools in academia and professional research.
- Introduction to citation management tools (e.g., EndNote, Zotero, Mendeley).
- Hands-on practice: Setting up accounts, importing references, and creating bibliographies.
- Tips for effective literature review using citation management tools.

Day 2 (03.01.2024) : Data Analysis Tools

- Overview of statistical tools (e.g., R, Python with pandas and numpy).
- Hands-on practice: Importing data, basic analysis, and visualization.
- Introduction to data visualization tools (e.g., Weka, Excel).
- Hands-on practice: Creating compelling visualizations with sample datasets.

Day 3(04.01.2024): Collaboration and Project Management Tools

- Introduction to project management tools (e.g., Trello, Asana).
- Hands-on practice: Creating and managing research projects.
- Collaboration tools for remote teamwork (e.g., Slack, Microsoft Teams).

- Best practices for effective collaboration and communication.

Day 4(05.01.2024) : Academic Writing and Editing Tools

- Overview of writing tools (e.g., LaTeX, Overleaf, Scrivener).
- Hands-on practice: Using templates, collaborating on documents.
- Editing tools for grammar and style (e.g., Grammarly, ProWritingAid).
- Strategies for efficient academic writing and manuscript preparation.

Day 5 (06.01.2024) : Presentation and Visualization Tools

- Introduction to presentation tools (e.g., Microsoft PowerPoint, Google Slides).
- Hands-on practice: Creating effective presentations.
- Data visualization tools for research presentations (e.g., Plotly, D3.js).
- Tips for delivering impactful presentations.

Day 6 (08.01.2024) : Review, Q&A, and Networking

- Review of key tools and concepts covered during the workshop.
- Open floor for participant questions and discussion.
- Networking session for participants to connect and share experiences.
- Distribution of workshop certificates.

CERTIFICATES



**D.K.M COLLEGE FOR WOMEN
(AUTONOMOUS), VELLORE**
INTERNAL QUALITY ASSURANCE CELL (IQAC)

Certificate of Participation

**Six Days Student Development Program On" Mastering Research Tools:
A Hands-On Workshop"**

This is to certify that **Priyadarshini.S, Research scholar , D.K.M.College for Women** has actively participated in the Six Days Student Development Program On" Mastering Research Tools: A Hands-On Workshop" organized by Internal Quality Assurance Cell (IQAC) of D.K.M. College for Women (Autonomous), Vellore, Tamil Nadu, India from 02.01.2024 to 09.01.2024 .

Bharathi T
Dr. T. Bharathi
IQAC Coordinator

R. Banumathy
Dr. R. Banumathy
Principal

Made for free with Certify'em



**D.K.M COLLEGE FOR WOMEN
(AUTONOMOUS), VELLORE**
INTERNAL QUALITY ASSURANCE CELL (IQAC)

Certificate of Participation

**Six Days Student Development Program on" Mastering Research Tools:
A Hands-on Workshop"**

This is to certify that **V.JAYAPRIYA, Research scholar , DKM COLLEGE FOR WOMEN** has actively participated in the Six Days Student Development Program On" Mastering Research Tools: A Hands-On Workshop" organized by Internal Quality Assurance Cell (IQAC) of D.K.M. College for Women (Autonomous), Vellore, Tamil Nadu, India from 02.01.2024 to 09.01.2024 .

Bharathi T
Dr. T. Bharathi
IQAC Coordinator

R. Banumathy
Dr. R. Banumathy
Principal

Made for free with Certify'em

REGISTRATION FORM

D.K.M. College for Women (Autonomous), Vellore
 IQAC organized
 Six days Student Development Program on
 "Mastering Research Tools : A Hands-on Workshop"
 Date: 02.01.2024 to 08.01.2024

Registration form

S.No	Name of the Scholar	Department	Amount (Rs)	Signature
01.	M. MAHALAKSHMI	COMMERCE	200.	M. Mahalaxmi
02	M. POORNIMA	MATHS	200	M. Purn
03	V. JAYAPRIYA	MATHS	200	V. Jay
04.	S. RUGIYA FIRBOUS	COMMERCE	200	S. Rugini
05.	K. PRIYANKA	Ph. D [Research commerce]	200	K. Priyanka
06.	V. PRIYANKA	Ph. D commerce [Research scholar]	200	V. Priyanka
07.	S. RAMYA	MICROBIOLOGY	200	S. Ramya
08.	K. NETHA	ZOOLOGY.	200	K. Netha
09	S. ARUNA DEVI	MICROBIOLOGY	200	S. Aruna
10	S. Priyadarshini	Zoology	200	S. Priyadarshini
11.	Gt. Reshma	Microbiology	200	G. Reshma
12.	B. Rajalakshmi	Microbiology	200	B. Rajalakshmi
13.	H. Astri	Microbiology	200	H. Astri
14	M. Priyadarshini	Ph. D (Res. scholar) Commerce	200	M. Priyadarshini

ATTENDANCE

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE

IQAC

Attendance - day 1

Student development programme (sdp) - "latex"

DATE : 02:01:2024

S. No.	Name of the research scholars	Department	Signature
1.	V. Jayapriya	Maths	V. Jayapriya
2.	S. RURIYA TIRSDOUS	COMMERCE	S. Rf.
3.	K. PRIYANKA	COMMERCE	K. Priyanka
4.	S. Priyadarshini	Zoology	S. Priyadarshini
5.	K. Netha	Zoology	K. Netha
6.	S. Ramya	Microbiology	S. Ramya
7.	S. Arshna Devi	Microbiology	S. Arshna
8.	B. Rajalalashmi	Microbiology	B. Rajalalashmi
9.	Gt. Reshma	Microbiology	Gt. Reshma
10.	V. PRIYANKA	COMMERCE	V. Priyanka
11.	M. Arthi	Microbiology	M. Arthi
12.	M. POORNIMA	Mathematics	M. Poornima
13.	M. MAHARAKSHMI	COMMERCE	M. Mahalaxmi
14.			

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE

IQAC

Attendance – Day 2

Student Development Programme (Sdp) - "Latex"

DATE : 03.01.2024

S. No.	Name of the research scholars	Department	Signature
1.	M. Priyadarshini	Ph.D (Commerce)	M. Priya
2.	M. POORNIMA	Ph.D (Maths)	M. Purnima
3.	V. PRIYANKA	Ph.D (COMMERCE)	V. Priyanka
4.	G. Keshma	Ph.D Scholar (Micro)	G. Keshma
5.	B. Rajalakshmi	Ph.D Scholar (Micro)	B. Rajal.
6.	M. MAHABALAKSHMI	Ph.D Scholar (Comm)	M. Mahalaxmi
7.	V. Jayapriya	Ph.D. Scholar (maths)	V. Priya
8.	S. Ruchiya SIRDOS	Ph.D scholar COMMERCE	S. R.
9.	K. PRIYANKA	Ph.D [Research scholar] COMMERCE	K. Priyanka
10.	S. Priyadarshini	Research Scholar Zoology	S. Priyadarshini
11.	S. Ranya	Microbiology	S. Ranya
12.	K. Netha	zoology	K. Netha
13.	M. Arthi	Microbiology	M. Arthi
14.			

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE

IQAC

Attendance – Day 3

Student Development Programme (Sdp) - "Latex"

DATE : 04 : 01 : 2024

S. No.	Name of the research scholars	Department	Signature
1.	V. Jayapriya	Ph.D Mathe	V. Vij
2.	S. RUBIYA FIRDOUS	Ph.D COMMERCE	S. Rubi
3.	S. Priyadarshini	Zoology	S. Priyadarshini
4.	K. PRIYANKA	Ph.D COMMERCE	K. Priyanka
5.	M. POORNIMA	Ph.D (Mathematics)	M. Purnima
6.	M. MAHALAKSHMI	Ph.D (COMMERCE)	M. Mahalakshmi
7.	M. Priyadarshini	Ph.D commerce	M. Priyadarshini
8.	S. Athinadevi	Microbiology	S. Athi
9.	G. Reshma	Ph.D. Microbiology	G. Reshma
10.	B. Rajalakshmi	Ph.D Microbiology	B. Rajalakshmi
11.	V. PRIYANKA	Ph.D (COMMERCE)	V. Priyanka
12.			
13.			
14.			

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE

IQAC

Attendance – Day 4

Student Development Programme (Sdp) - "Latex"

DATE : 05 : 01 : 2021,

S. No.	Name of the research scholars	Department	Signature
1.	K. PRIYANKA	Ph.D COMMERCE	K. Priyanka
2.	S. Ruchiya SIRDOS	Ph.D COMMERCE	Self
3.	S. Priyadarshini	Research Scholar Zoology	S. Priyadarshini
4.	K. Netha	Research scholar Zoology	K. Netha
5.	M. Priyadharshini	Ph.D (Commerce)	M. Priyadharshini
6.	M. POORNIMA	Ph.D (maths)	M. Purnima
7.	V. Jayapriya	Ph.D (maths)	V. Jayapriya
8.	M. MAHARAJESHWARI	Ph.D (Commerce)	M. Mahareswari
9.	B. Rajalakshmi	Ph.D Microbiology	B. Rajalakshmi
10.	G. Reshma	Ph.D. Microbiology	G. Reshma
11.			
12.			
13.			
14.			

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE

IQAC

Attendance – Day 5

Student Development Programme (Sdp) - "Latex"

DATE : 08:01:2024

S. No.	Name of the research scholars	Department	Signature
1.	V. PRIYANKA	COMMERCE	V. Priyanka
2.	M. Priyadashini	Ph.D [Commerce]	M. Priyadashini
3.	M. POORNIMA	Ph.D (Mathematics)	M. Priya
4.	V. Jayapriya	Ph.D (maths)	V. Vij
5.	K. PRIYANKA	Ph.D COMMERCE	K. Priyanka
6.	S. RUKIYA FIRSOUS	Ph.D COMMERCE	S. Rukiya
7.	S. Priyadashini	Ph.D Zoology	S. Priyadashini
8.	M. MATHARAKRISHNI	Ph.D. Commerce	M. Mathalakrishi
9.	K. NEETHA	Ph.D. ZOOLOGY	K. Neetha
10.	B. Rajalalshmi	Ph.D Microbiology	B. Rajalalshmi
11.	G. Reshma	Ph.D. Microbiology	G. Reshma
12.			
13.			
14.			

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE

IQAC

Attendance – Day 6

Student Development Programme (Sdp) - "Latex"

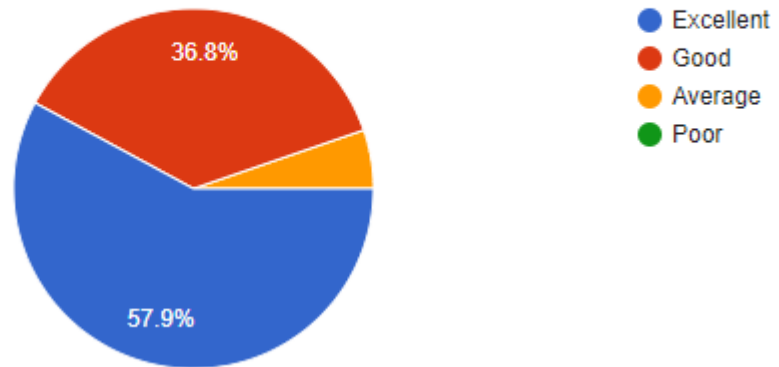
DATE : 09:01:2024

S. No.	Name of the research scholars	Department	Signature
1.	B. Rajalakshmi	Microbiology	B. Rajalakshmi
2.	G. Reshma	Ph.D. Microbiology	G. Reshma
3.	M. Priyadharshini	Ph.D (Commerce)	M. Priyadharshini
4.	M. POORNIMA	Ph. D (Mathematics)	M. Poornima
5.	S. Ramya	Ph.D. Microbiology	S. Ramya
6.	S. Priyadarshini	Research scholar Zoology	S. Priyadarshini
7.	K. Netta	Research scholar Zoology	K. Netta
8.	K. PRIYANKA	Ph.D COMMERCE	K. Priyanka
9.	S. RUKIA FIRDOS	Ph.D COMMERCE	S. R. F.
10.			
11.			
12.			
13.			
14.			

FEEDBACK ANALYSIS

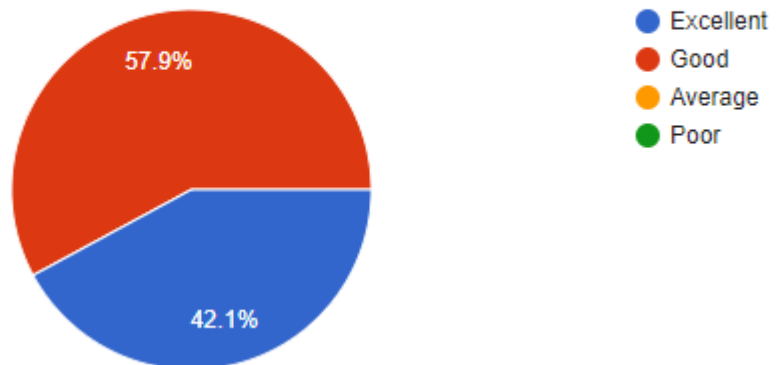
Opinion about Day 1: Reference Tools(Zetero, Mandely, Endnote)

19 responses



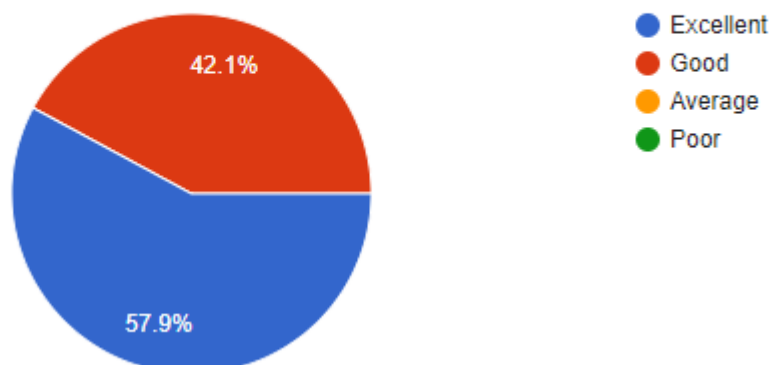
Opinion about Day 2: Data Analysis Tools(Python, R)

19 responses



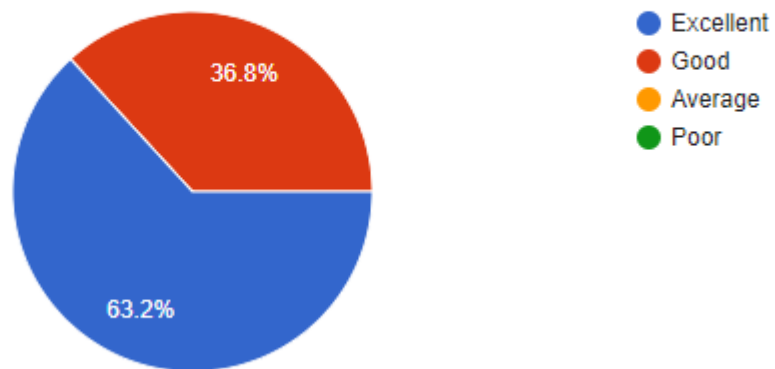
Opinion about Day 3: Weka and Image J analysis Tools

19 responses



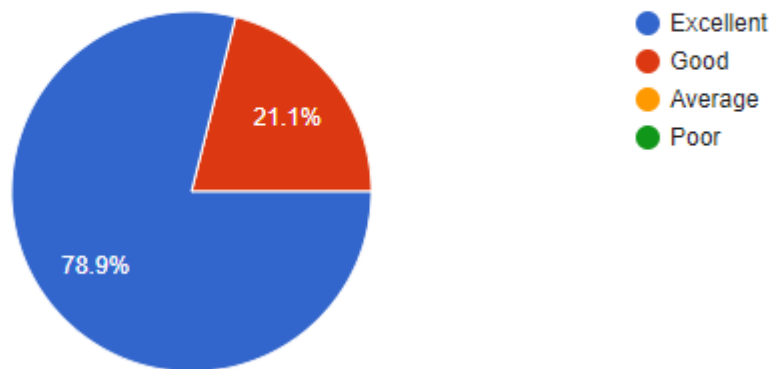
Opinion about Day 4: Matlab (Self Faced Certificate Course)

19 responses



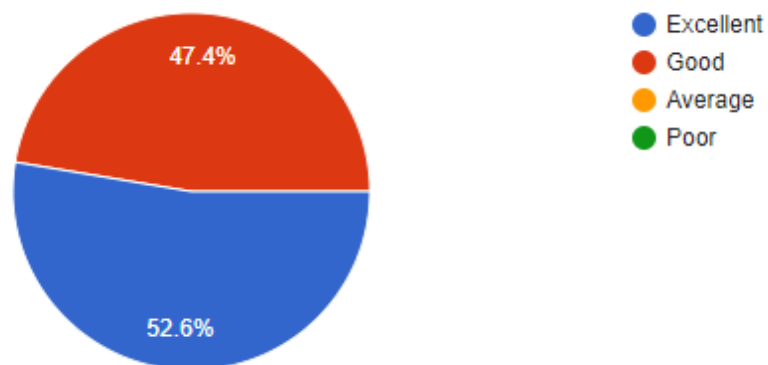
Opinion about Day 5: Chat GPT with powerPoint and Word

19 responses



Opinion about Day 6: Latex (Overleaf and Cocalc)

19 responses

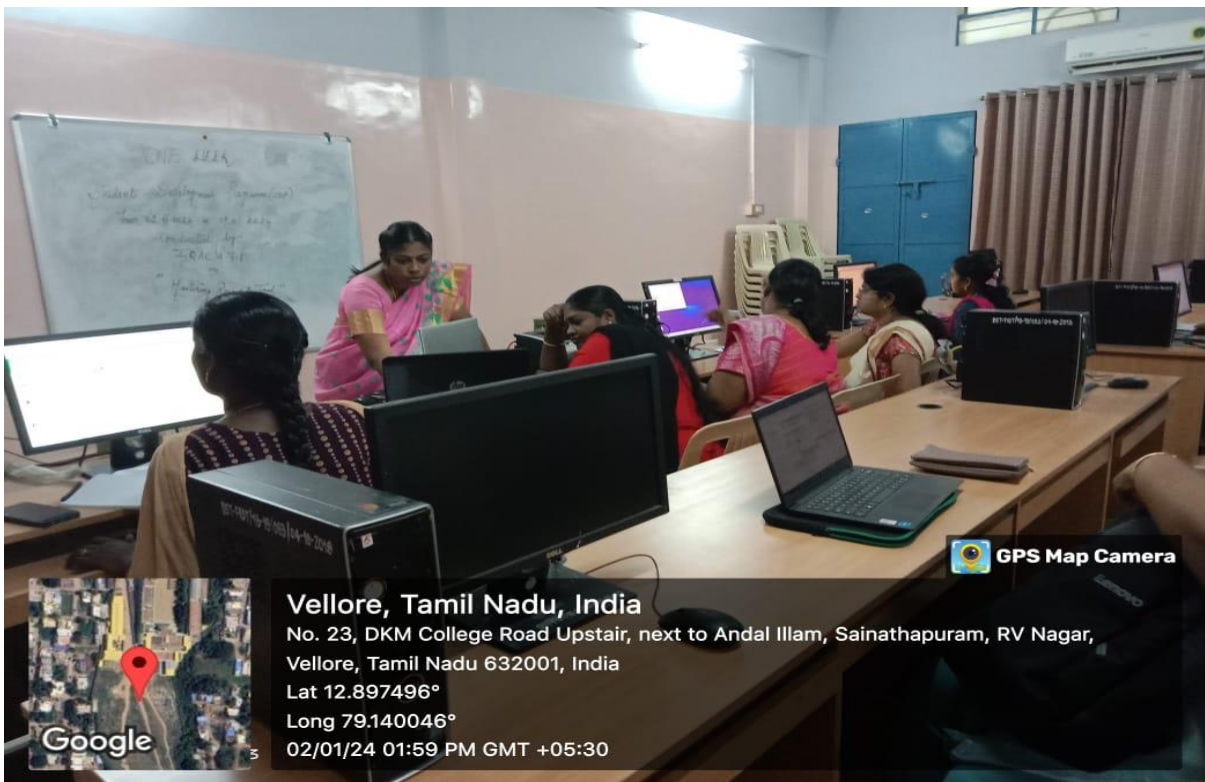


PHOTOGRAPHIC EVIDENCES

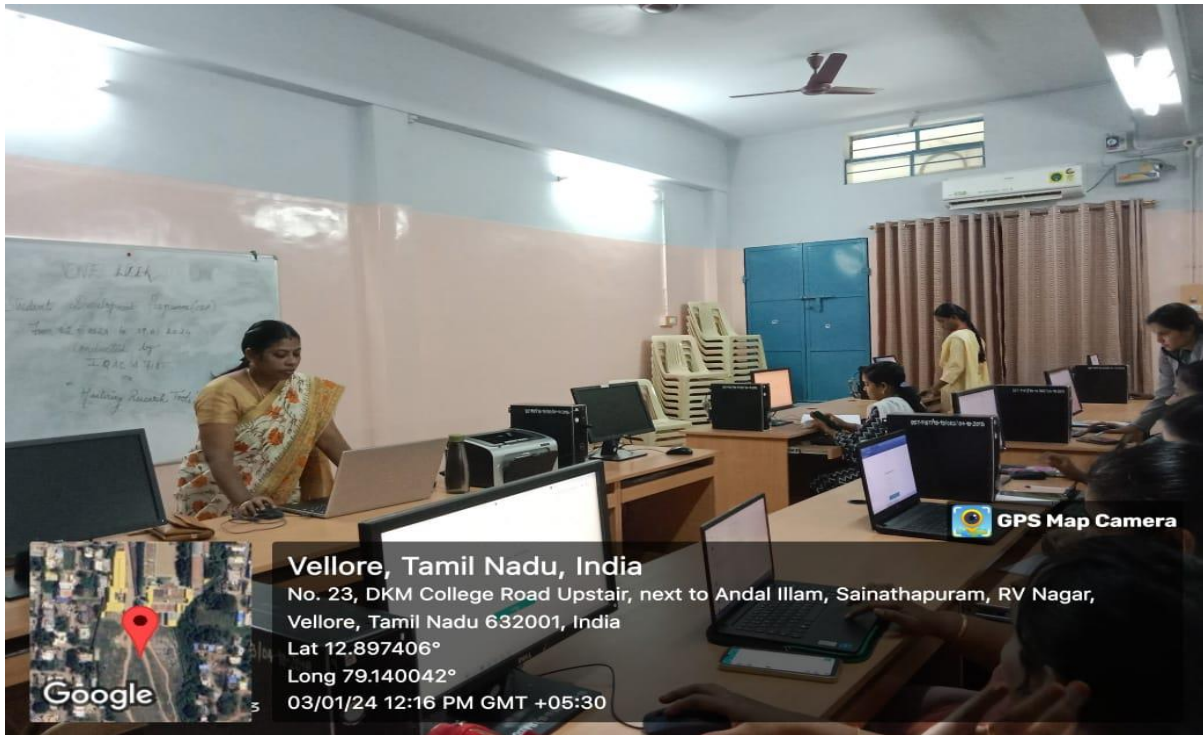
Welcome Address delivered by Dr. T. Bharathi, IQAC Coordinator, DKMC , on 02.01.2024



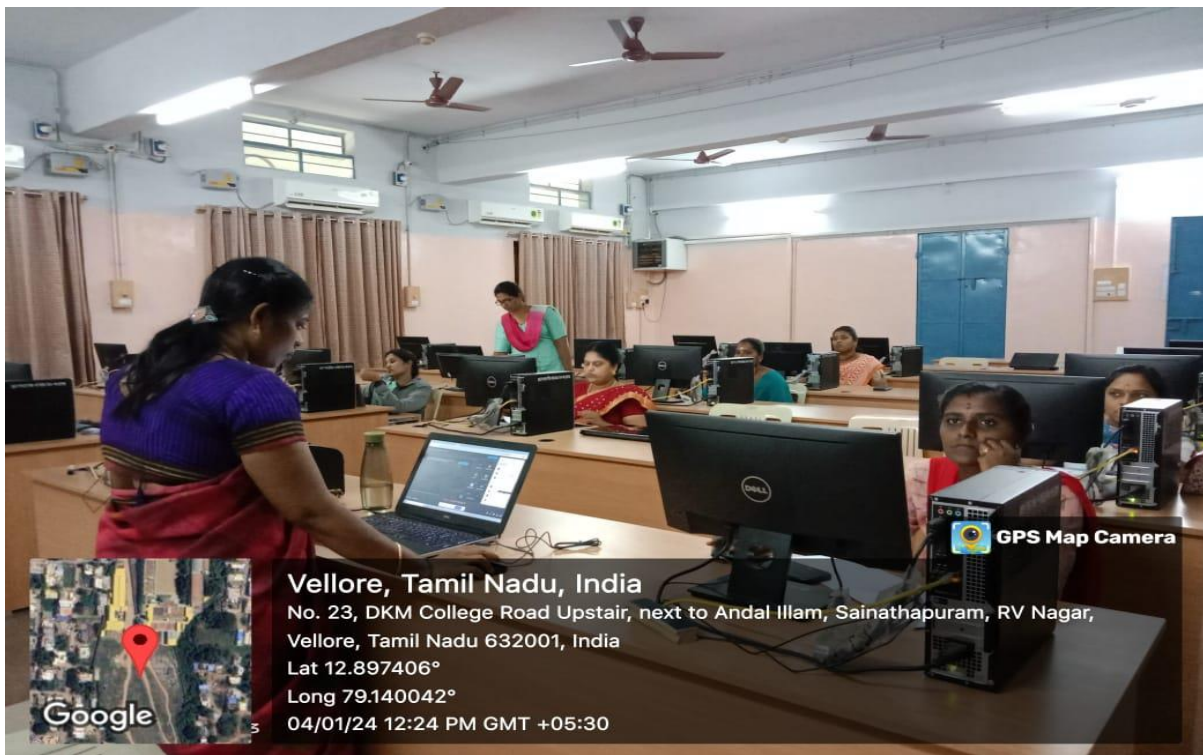
Day 1 technical session by resource person Dr. M. Vasumathy



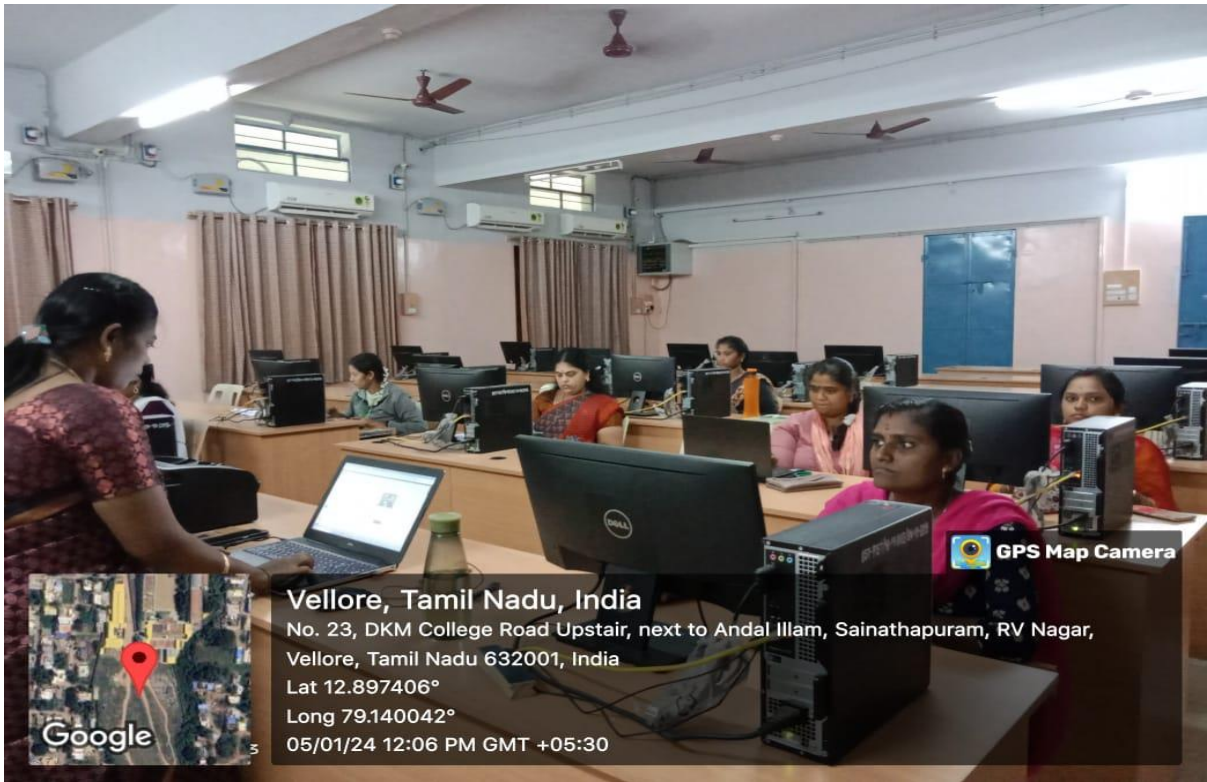
Day 2 Workshop on 03.01.2024



Day 3 Workshop on 04.01.2024

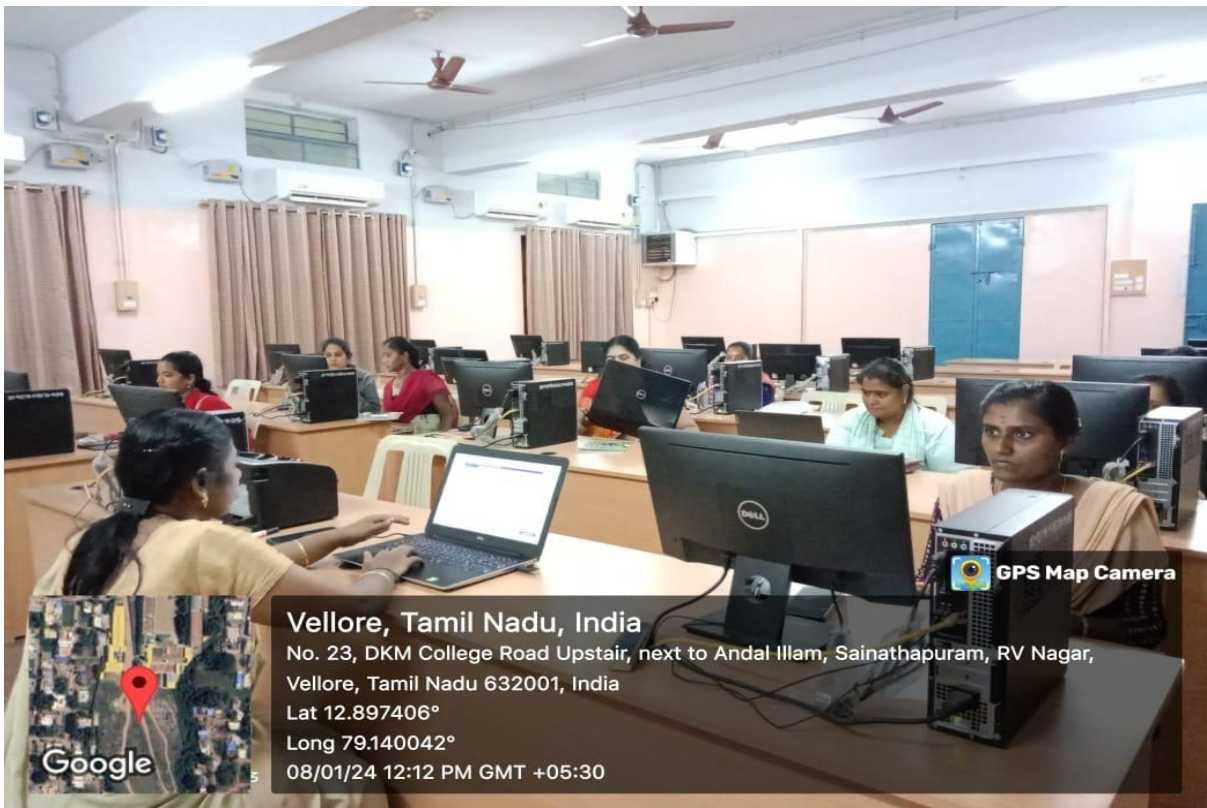


Day 4 Workshop on 05.01.2024



Vellore, Tamil Nadu, India
No. 23, DKM College Road Upstair, next to Andal Illam, Sainathapuram, RV Nagar,
Vellore, Tamil Nadu 632001, India
Lat 12.897406°
Long 79.140042°
05/01/24 12:06 PM GMT +05:30

Day 5 Workshop on 08.01.2024



Vellore, Tamil Nadu, India
No. 23, DKM College Road Upstair, next to Andal Illam, Sainathapuram, RV Nagar,
Vellore, Tamil Nadu 632001, India
Lat 12.897406°
Long 79.140042°
08/01/24 12:12 PM GMT +05:30

Day 6 Workshop on 09.01.2024

