

Faculty Development Program

Report on

Exploring Open Source Tools & Software for Enhanced Research Paper Writing

Sri Vasavi Engineering College

Pedatadepalli, Tadepalligudem, Andhra Pradesh.



A Three Day
Faculty Development Program (FDP)
on

**“Exploring Open Source Tools & Softwares
for Enhanced Research Paper Writing”**

17th- 19th August 2023

Organized
by
Department of
Electronics & Communication Engineering



Sri Vasavi Engineering College
(Autonomous)

Tadepalligudem, West Godavari District - 534101
(Approved by AICTE and affiliated to JNTUK Kakinada, AP)
(Accredited by NBA - UG in EEE, ECE, CSE & ME and NAAC with 'A' Grade)

www.srivasaviengg.ac.in

About College

"Sri Vasavi Engineering College" was established in the year 2001 by "Sri Vasavi Educational Society" with a desire to share the responsibilities of the society for the development of quality Technical Education. The college is situated at Pedatadepalli, 5 km away from the main town Tadepalligudem, Andhra Pradesh. The college is recognized by AICTE and permanently affiliated to JNTU Kakinada and also recognized by UGC. The College got UGC Autonomous in the year 2018. The college offers UG, PG and Diploma Programs in Engineering (EEE, ECE, CSE, ME, CE, CST, CSE-AI, AI&ML and ECT) along with MBA. The college is accredited by NAAC with "A" Grade. UG Programs offered by the departments of EEE, ME, ECE & CSE are accredited by NBA. The departments of ECE, EEE, CSE and ME have JNTU Kakinada recognized research centers.

About the Department

The Department of ECE was established in the year 2001 with a view to develop quality engineers to meet the current trends. The Department offers UG program in B.Tech (ECE & ECT). It also offers PG program with Embedded Systems & VLSI specialization. The department aims primarily at excellence not only in theoretical but also in experimental research in Microwaves, Antennas, VLSI, Signal Processing and Communications. The department has a pool of qualified and research oriented faculty members with a wide range of experience in academics and industry as well.

About FDP

Research paper writing is the process of documenting and presenting the results of a research study or investigation. It is a crucial part of academia and allows researchers to communicate their findings to the scientific community.



Writing a research paper may appear to be a difficult task and remain unfinished for months. This FDP makes the entire process of writing the proposal an interesting and a rewarding experience. This program explores the usage of online tools for learning, researching and also drafting the article inline with international standards. Learning open source tools helps the researcher to draft the paper with a systematic background knowledge and effective presentation of results, preparation of reports and thesis, and prevention against plagiarism. In addition to this, the program also helps in improving the quality of the research by collaboration with the institution, educators and learners locally and internationally. The process of finding good quality journals for research and publishing will also be emphasized.

Topics to be covered

- Introduction to Open Source Tools.
- Project Management Tools - Trello, Asana, etc.
- Formatting a Paper using Microsoft Word & LaTeX.
- Grammar Checker Tools- Grammarly & Ginger.
- Reference Management Tools – Zotero, Mendeley.
- Journal finder.
- Plagiarism and Ethics of paper writing.

Outcomes of FDP

After the successful completion of FDP, participants will be able to

- Demonstrate proficiency in using open-source tools for research paper writing.
- Equipped with essential skills to manage and organize research projects efficiently.
- Employ proper grammar and language usage in thesis writing.
- Efficiently manage references and citations in research papers.
- Understand the importance of plagiarism and ethics in writing a research proposal.
- Justify the selection of appropriate journals for paper submissions.
- Demonstrate competence in formatting research papers using Microsoft Word and LaTeX.
- Prepare a literature survey paper for a standard journal.

Patrons

Sri. G. Satyanarayana, *President*
Sri. Ch.V.V. SubbaRao, *Secretary&Correspondent*

Co-Patron

Sri. Ch. Apparao, *Director –Technical*

Chairman

Dr. GVNSR Ratnakara Rao, *Principal*

Convener

Dr.E. KusumaKumari, Professor & HoD (ECE)

Coordinators

Dr. Purnima K Sharma, Professor, ECE
Dr. TVNL Aswini, Associate Professor, ECE

Advisory Committee

Dr. V S Naresh, Dean - R &D
Dr.Ch. Rambabu, Dean – Student affairs
Dr. D. Jaya Kumari, Professor & HoD (CSE)
Dr. D. Sudha Rani, Professor & HoD (EEE)
Dr. G. Radha Krishna, Professor & HoD (Civil)
Dr. M V Ramesh, Professor & HoD (ME)
Mr. N Rajashekhar, Assoc.Professor & HoD(BSH)
Mr.D.Naveen Kumar, Sr.Asst.Prof,&HoD(MBA)

Organizing Committee

Faculty of ECE Department

Mode of organizing FDP

Offline mode of learning.

Eligibility of Participation

The faculty members from the AICTE approved institutions, research scholars, and R & D organizations are eligible to attend the program.

Registration fee

Eligible candidates can register and pay INR 300/-. For Online payment, scan the QR code.



RamPrasad Ravula

Registration Process

Register for FDP through SVEC College Website under the Events link.



(https://srivasaviengg.ac.in/svec_events.php#aug23).

Note: Last date of online registration is 12/08/2023.

Certificate

The participants who have attendance more than 90% and task score greater than 60% are eligible to receive Certificate issued by the host Institution.

For any further query, please contact

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Sri Vasavi Engineering College (Autonomous)

Department of Electronics and Communication Engineering

A Three day FDP

on

“Exploring Open Source Tools & Softwares for Enhanced Research Paper Writing”

The Program Schedule - **Duration: 17th -19th August 2023**

	9:30AM – 11:15AM	11:30AM - 1:00PM	1:00PM – 1:45PM	1:45 PM – 3:15PM	3:30PM - 4:30PM
Day # 1	Introduction to Open Source Tools & Project Management Tools	Hands on session	Lunch	Formatting a Paper using Microsoft Word & LaTeX	Hands on session
Day # 2	Grammar Checker Tools & Reference Management Tools	Hands on session	Lunch	Journal finder	Hands on session
Day # 3	Plagiarism and Ethics of paper writing	Hands on session	Lunch	Review Article submission	Valedictory



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Registration Form

1. Name :
2. Qualification :
3. Designation :
4. Experience in Years:
5. Name of the Institution with Address:

6. E-mail :
7. Mobile No (WhatsApp):

Signature of the Applicant

Certificate from Sponsoring Institute

Mr./Ms./Dr. _____ is an employee/
student of our institution and he / she is sponsored to attend the above FDP.

Signature of Sponsoring
Authority with office Seal

Date

Faculty Development Program Report

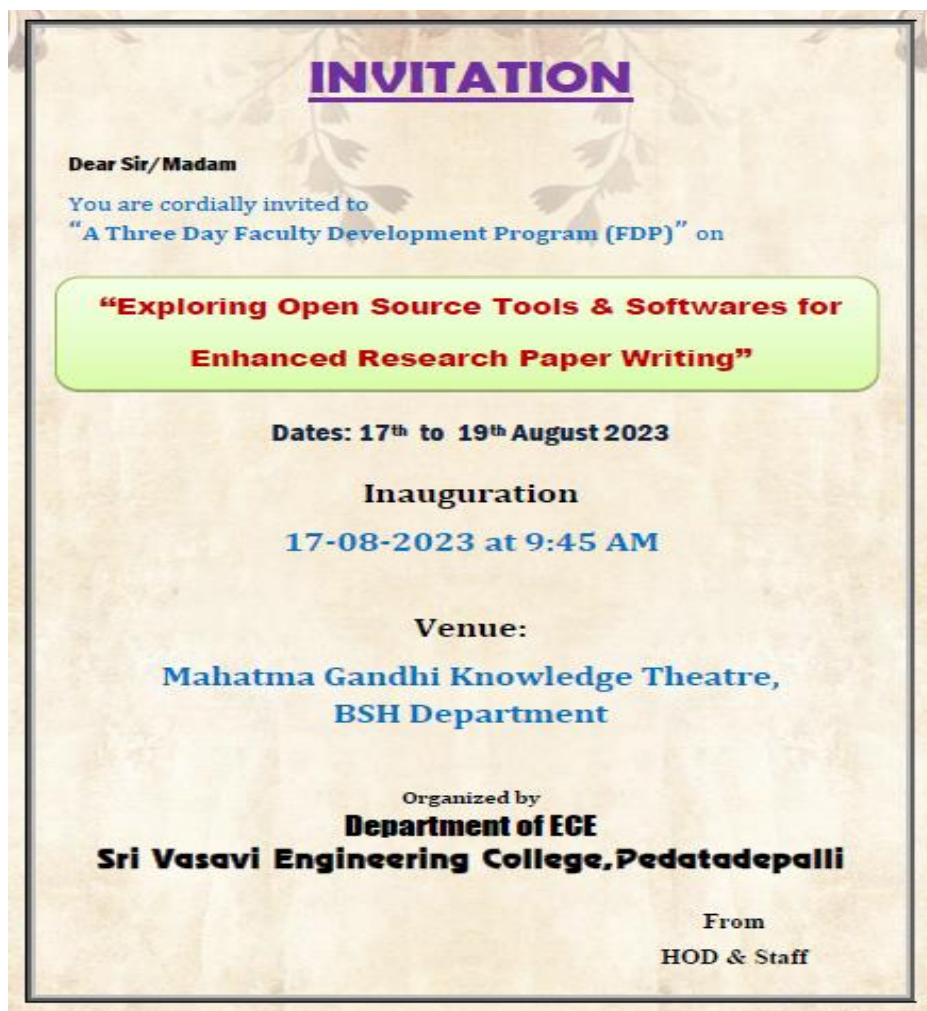
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Exploring Open Source Tools & Software for Enhanced Research Paper Writing

Introduction:

The Faculty Development Program (FDP) on "Exploring Open Source Tools & Software for Enhanced Research Paper Writing" was a resounding success. Participants embarked on a journey to harness the power of open-source tools and software to enhance their research paper writing skills. This report outlines the key takeaways and activities conducted during the program.

Inauguration at Mahatma Gandhi Knowledge Theatre, BSH Block



Date: 17-008-2023

Time: 9:45 AM

Location: Mahatma Gandhi Knowledge Theatre, BSH Block

The registration process was efficiently managed by our coordinator, Ram Prasad, who is an assistant professor in the ECE Department. A total of 24 registrations were processed, and the process commenced at 9:30 AM at the venue, with the valuable assistance of Harshini, also an assistant professor in the ECE Department.

Agenda:

Dr. TVNL Aswini, an Associate Professor in the ECE Department and one of the event coordinators, initiated the program by welcoming the guests to the Dias.



Welcome Address by Dr.Purnima K Sharma, Coordinator of the event.



Esteemed Guests, including Dr. E. Kusuma Kumari, Head of the ECE Department; Dr. GVNSR Ratnakara Rao, Principal; Dr. V. Naresh, Dean of Research and Development; and ChApparao, Technical Director, shared insights about the program titled "Exploring Open Source Tools & Software for Enhancing Research Paper Writing." Join us for a momentous occasion as we gather at the Mahatma Gandhi Knowledge Theatre, located in the BSH Block, for an auspicious inauguration event.



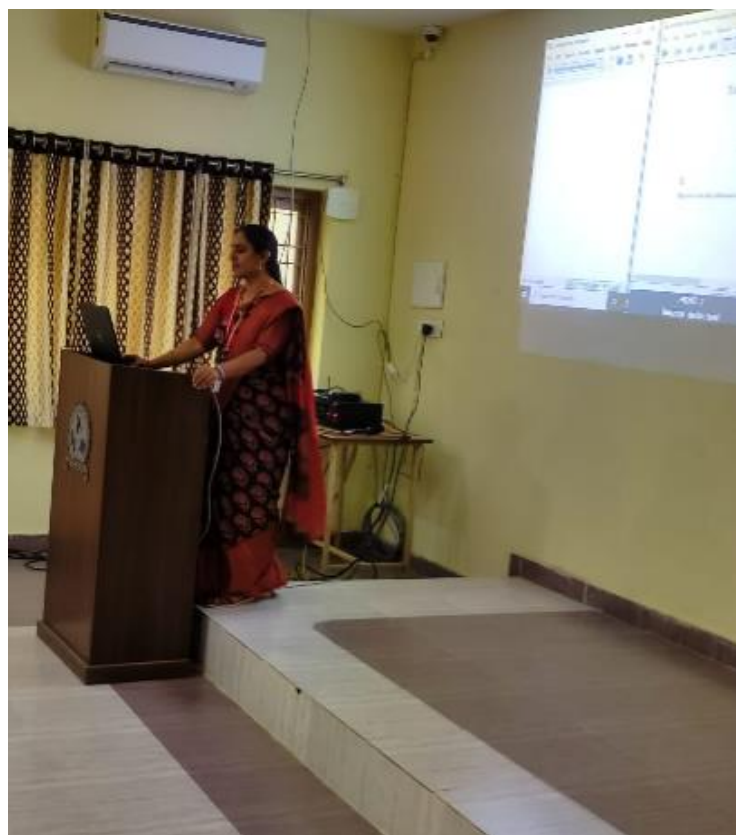


Day 1 - Morning Session:

The program kicked off with Dr. Purnima K. Sharma leading the morning session. Participants learned how to search for a research topic using Open Knowledge Maps, Research Rabbit, Litmaps, Connected Paper, Elicit, Keenious, Inciteful, Chatdoc, Explain Paper, Chat PDF, HUMATA, and Consensus. This session laid the foundation for effective research topic selection.

Day 1 - Afternoon Session:

In the afternoon, Dr. T.V.N.L. Aswini took the stage, guiding participants on the usage of LaTeX and software installation. LaTeX is a powerful tool for document formatting, essential for creating well-structured research papers.



Day 2 - Morning Session:

Dr. Purnima resumed the program on the second day, focusing on the creation of diagrams using tools such as Pixabay, Canva, Blue Willow, Origin Pro, and Chem Sketcher. Additionally, participants were introduced to grammar checker tools and paraphrasers, including Scribens, Reverso, GrammarCheck, Grammarix, Smallseotools, Grammarly, Ginger, Quill Bot, ProWritingAid, WhiteSmoke, and Word Tune.

Day 2 - Afternoon Session:

During the afternoon session, Dr. Aswini covered topics related to journal searching, journal templates, and using LaTeX for paper formatting. These skills are crucial for ensuring that research papers are well-structured and meet publication standards.

Day 3 - Morning Session:

Dr. Purnima continued with a session on plagiarism checkers, introducing participants to tools like PLAG.AI, Plagium, Copyleaks, and Turnitin (though not open source). Ensuring the integrity of research papers is paramount, and these tools provide the means to detect and prevent plagiarism effectively.

Day 3 - Afternoon Session:

The final afternoon session included discussions on paper summary using SCISPACE and Paper Digest, as well as the preparation of graphical abstracts using tools such as Canva, Inkscape, GIMP, and PowerPoint. These skills enable researchers to present their work effectively and engage readers visually.

Paper Submission and Valedictory Session:

The program concluded with a session on submitting research papers to suitable journals. At 3:00 PM, the valedictory ceremony took place, which included valuable feedback from participants. Certificates were distributed to all the participants by the distinguished dignitaries. Dr. T.V.N.L. Aswini delivered the vote of thanks, acknowledging the contributions of all participants, speakers, and organizers.





Conclusion:

The FDP provided participants with a comprehensive understanding of open-source tools and software for research paper writing. Participants left with enhanced skills and a newfound appreciation for the tools that can elevate their research endeavors. We encourage everyone to continue using these tools to improve their paper writing and contribute to the advancement of their respective fields.

Acknowledgments:

We extend our heartfelt gratitude to the college management, Principal, Head of the Department ECE, Student coordinators, volunteers, participants, and staff for their unwavering support and contributions to the success of this FDP.