LOYOLA COLLEGE OF EDUCATION

Accredited (3rd Cycle) at 'A' Grade by NAAC
Recognized by NCTE & Affiliated to TNTEU
Nungambakkam, Chennai, Tamil Nadu, India - 600 034

IQAC - FACULTY DEVELOPMENT PROGRAMME

Excel-Based Research Data Analysis & AI-Enabled Literature Review Techniques

Details of the Programme:

Name of the Programme:	**Excel-Based Research Data Analysis & AI-Enabled Literature Review Techniques**
Type of Programme:	**Faculty Development Programme**
Date of the Programme:	29.10.2026 & 30.10.2026
Time of the Programme:	1.30 P.M - 3.30 P.M
Target Audience of the Programme:	Faculty members of Loyola College of Education
No. of participants in the Audience:	20
Objectives of the Programme:	• To equip faculty members and researchers with advanced technical skills in quantitative data handling using MS Excel. • To train participants in modern, AI-enabled methodologies for conducting comprehensive and efficient literature reviews. • To bridge traditional educational research methods with cutting-edge technological tools to enhance research productivity and empirical accuracy.
Name of the Resource Person:	Dr. S. J. Rexline
Brief note about the Resource Person:	Dr. S. J. Rexline serves as an Assistant Professor in the Department of Computer Science at Loyola College (Autonomous), Chennai. She brings specialized expertise in computer science applications, computational techniques, and technical data processing methodologies to academic research.
Few insights given by the Resource Person:	• Demonstrated streamlined procedures for organizing, cleaning, and structuring large volumes of research data using advanced features in MS Excel. • Highlighted how artificial intelligence tools can be ethically and effectively utilized to accelerate literature searches, summarize papers, and map thematic trends.

<table>
<tr><td></td><td>

- Provided practical insights into minimizing human error during data coding, statistical computation, and reference synthesis.

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<tr><td>Learning Outcomes of the Programme:</td><td>

a. Participants gained hands-on proficiency in utilizing Excel-based tools for systematic research data organization and analysis.

b. Attendees developed the competency to integrate AI-driven applications into their literature review workflows, significantly reducing time spent on background research.

c. Faculty members enhanced their overall methodological readiness to guide student research and produce high-quality empirical publications.

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<tr><td>Feedback Analysis</td><td>

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<tr><th>Parameters</th><th>Result</th></tr>
<tr><td>1. The topic was relevant and useful for my research.</td><td>85%</td></tr>
<tr><td>2. I can easily apply the tools and techniques learned yesterday and today.</td><td>80%</td></tr>
<tr><td>3. Dr. S. J. Rexline explained the topic clearly.</td><td>78%</td></tr>
<tr><td>4. The step-by-step demonstrations were easy to follow.</td><td>74%</td></tr>
<tr><td>5. Questions and doubts were answered effectively.</td><td>81%</td></tr>
<tr><td>6. The 2-day schedule was well-planned and on time.</td><td>85%</td></tr>
<tr><td>7. The FDP successfully met my learning expectations.</td><td>77%</td></tr>
<tr><td>8. Overall, I am happy with this FDP.</td><td>80%</td></tr>
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<tr><td>Overall Impact of the Programme:</td><td>The two-day FDP successfully fostered a culture of data-driven academic rigor and technological fluency among the faculty. By empowering educators with practical digital tools for both quantitative analysis and literature synthesis, the initiative directly contributed to strengthening institutional research capacity and quality assurance standards.</td></tr>
<tr><td>Any other remarks on the Programme:</td><td>Participants expressed interest in follow-up hands-on workshop on the excel based data analysis techniques alone with small datasets.</td></tr>
</table>

Details of the Committee that organized the event:

Name of the Committee:	Internal Quality Assurance Cell
Name of the Organizer:	Mrs. S. Catherene Nithya
Name of the Co-organizers:	Ms. R. Sridevi, Dr. Anbu Selvi H A, Dr. Y. Elin Shibi, Dr. M. Nandhini

Signature of the Coordinator **Signature of the Principal**

INVITATION



PICTURES


Jesus Tv
LOYOLA COL EDUCATION
GPS Map Camera
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9, Nelson Manickam Rd, Nungambakkam,
Chennai, Tamil Nadu 600034, India
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INTERNAL QUALITY ASSURANCE CELL
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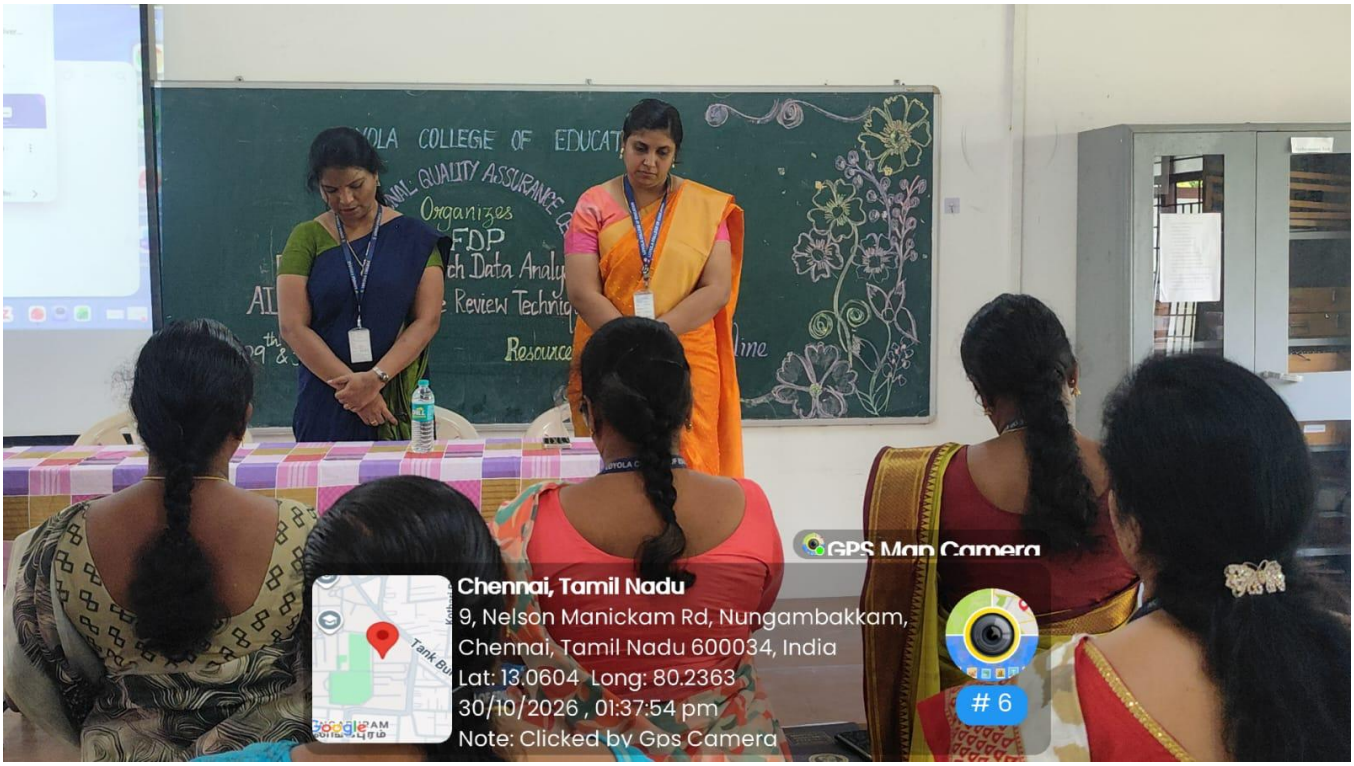
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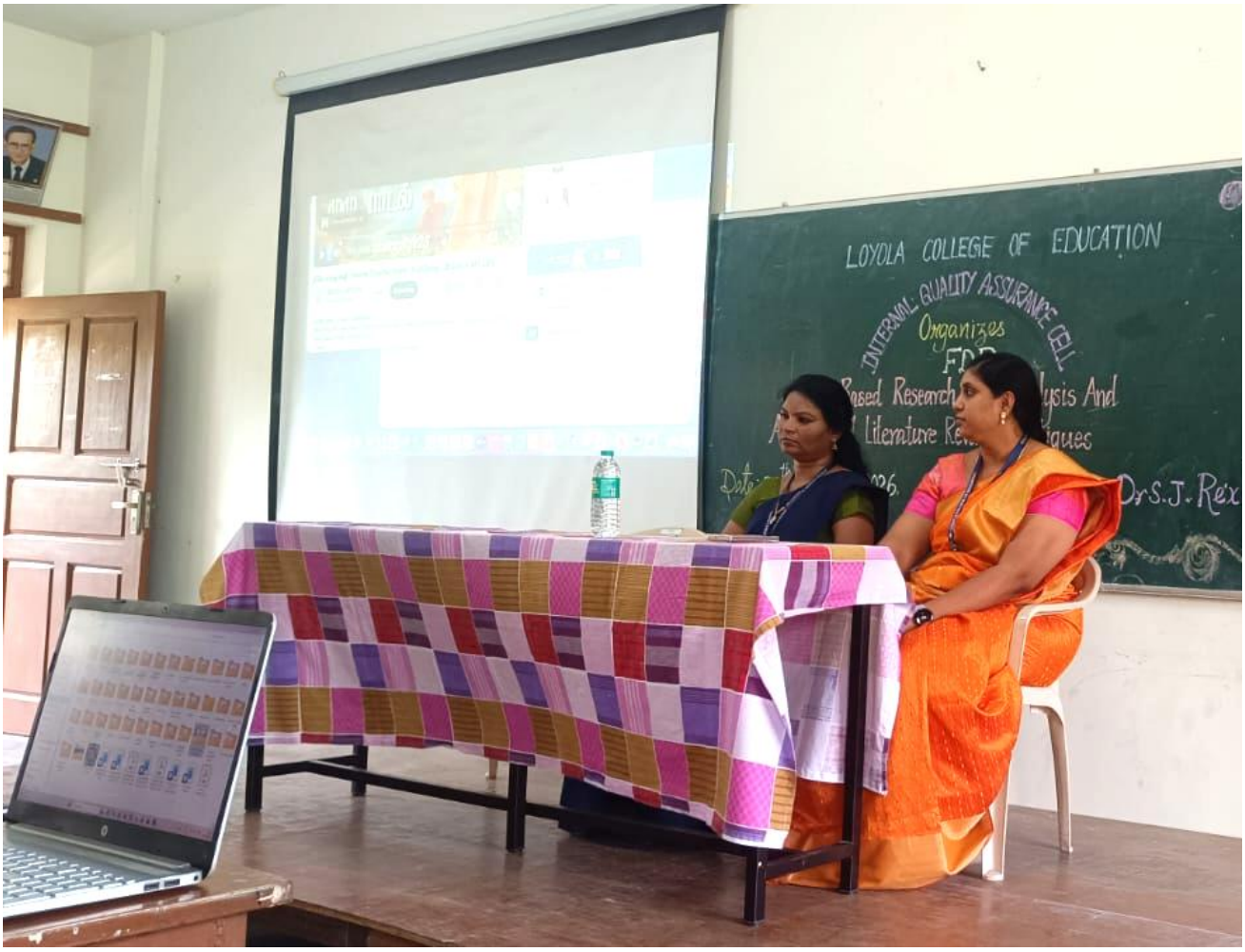
Date: 29th & 30th Oct. 2026
Resource Person: Dr S. J. Rexline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Use of AI Tools for Literature Review a
Citation Management
Dr.Rexline S J
Loyola College(Autonomous)
Chennai