

**SINDHI COLLEGE**  
**Research Cell Activities**  
**2023 – 24**

<b>Sl.No</b>	<b>Event</b>	<b>Date</b>
<b>1</b>	<b>Workshop on Data Analysis</b>	<b>13-07-24</b>
<b>2</b>	<b>FDP - QUANTITATIVE DATA ANALYSIS USING SPSS WITH INTERPRETATION AND WRITING RESEARCH ARTICLE WITH AI”</b>	<b>14<sup>th</sup> to 21<sup>st</sup> June 2024</b>
<b>3</b>	<b>Guest Lecture On “Practical Exposure to the Non-Obviousness and Industrial Applications Of Patents and Copyright”</b>	<b>12-07-24</b>
<b>4</b>	<b>Workshop on “Copyrights and AI”</b>	<b>02-02-24</b>

**CENTRE FOR PG STUDIES**  
**Workshop on “Data Analysis”**

Centre for PG Studies, Sindhi College, organised a workshop on “Data analysis” for 1<sup>st</sup> & 2<sup>nd</sup> Year M.Com and M.Com [FA] students (20) on 13/07/2024 from 10:00 AM to 4:00 PM. **Dr. Madhu S, Professor from Tumkur University** was the resource person. The first session includes the title of the project, the research process, and the framing hypothesis. The second session carried the data analysis using SPSS for Primary data and Excel for secondary data. The second session includes the data entry, descriptive statistics, correlation, regression, chi-square test, independent sample T-test, one-way ANOVA, and Comparative Analysis with the help of the Excel application. All the students of I & II year M.Com, and M, Com (FA) attended and learnt how to do the data analysis, interpret the data and find the result.



## FACULTY DEVELOPMENT PROGRAMME

### “QUANTITATIVE DATA ANALYSIS USING SPSS WITH INTERPRETATION AND WRITING RESEARCH ARTICLE WITH AI”

**Date : 14<sup>th</sup> to 21<sup>st</sup> June 2024**

**Mode: Virtual**

**Objective:** To enhance the skills and knowledge of faculty members in various aspects of Research article writing

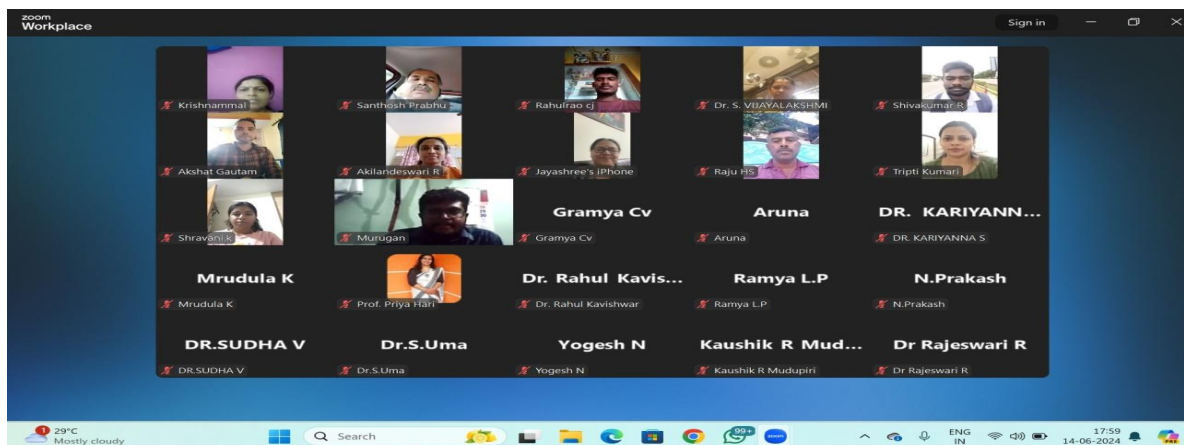
**Speakers**

- Prof. MR Gangadhar – Vice-Chancellor, Chamarajanagar University.
- Dr.Aarthy Chellasamy- Assistant Professor from Christ (Deemed to be University), Bengaluru.
- Dr.Janani Ravinagarajan- Asst. Professor from Vellore Institute of Technology
- Dr.K.S.Sowmiya Rani- Editor, Editage ( Cactus Communication) Founder, Editor & Reviewer at Sowmis\_AWW.
- Dr.Sathish P- Assistant Professor, Christ ( Deemed to be University), Bengaluru.
- Mr.T.Somasundaram- Asst. Professor in Management studies and Co-ordinator for Centre for Soft Skills Training at Kristu Jayanti College, Bengaluru.

**Participants:** 138 Participants (45 Inhouse, 11 Students and 82 participants from other institutions)

FDP plays a crucial role in enhancing the capabilities of academic staff. These programs aim to equip faculty members with the necessary skills, knowledge and resources to engage in innovative teaching and contribute to their respective fields.

Sindhi College understands the importance of the same and has organised 8 days virtual FDP on topic very much relevant to the present trends, research titled “Quantitative data analysis using SPSS with interpretation and writing research article with AI from 14<sup>th</sup> to 21<sup>st</sup> June 2024. The program was organised in association with Primax.



## DAY 1

Dr Aarth from Christ University, Bengaluru was invited as the guest for the first day to talk on the basics of research. Dr Aarth is very knowledgeable in the area of study. Mam spoke about the types of variables, types of data, and methods of data collection, different measurement scales used, identification of the problem, hypothesis setting, population, sampling and types, and statistical tools to measure the data.

## DAY 2

Dr. Janani Ravinagarajan from VIT University, Chennai, was invited as the guest speaker for Day 2 to discuss SPSS. The session proved to be very beneficial as it was not just theoretical but also practical. All participants were instructed to install the SPSS software, which was provided by the organizers. Dr. Janani shared a dataset, and SPSS was utilized to analyze it. The session also emphasized testing the reliability of the data and validating the data collected. Day 2 was hands-on, with all participants actively using the software and learning.

## DAY 3

On the third day, Dr. Arthi from Kristu Jayanti College chaired a session as a resource person. She is a distinguished expert in teaching and research, particularly in the area of hypothesis formulation and testing. The session offered valuable insights into the significance of hypothesis formation, which is a critical component of conducting research. Dr. Arthi covered various statistical tools, including one-sample t-tests, independent samples t-tests, paired t-tests, chi-square tests, and content analysis, along with reliability testing. This information helped participants understand how to effectively apply different statistical methods in their work.

## DAY 4

Dr. Somsundaram from Kristu Jayanti College in Bengaluru focused on one-way and two-way ANOVA, as well as cluster analysis on the fourth day. These three statistical tools are among the most important for researchers, as they allow for the identification and exploration of underlying themes to explain the similarities or differences within the datasets being investigated.

## DAY 5

Dr. Sathish from Christ University Bengaluru served as the resource person for the fifth day of the program. The topic covered was correlation and regression, which are statistical tools used for data analysis. The session included practical exercises where all participants actively engaged with the data and learned how to apply these statistical tools effectively.

## DAY 6

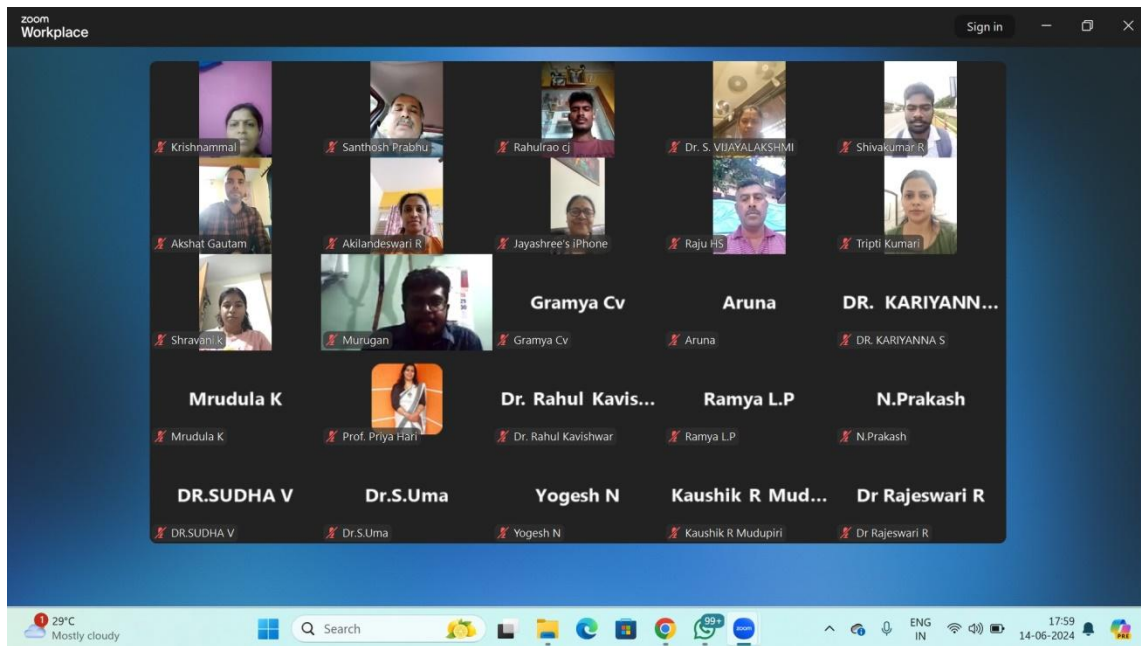
Dr. Arthi from Kristu Jayanti College, Bengaluru, served as the resource person on the sixth day, presenting on the topic of mediation and moderation-based regression analysis. This tool is commonly used in clinical research to understand its operation and identify its existence. The speaker provided an overview of the uses of this tool and discussed the types of data suitable for these analyses.

#### DAY 7

Dr. Sathish P. from Christ University, Bengaluru, was the resource person for the session on research article writing and journal selection. He provided in-depth knowledge on how to write an article and emphasized the importance of publishing it effectively. He discussed how selecting the right journals can enhance the article's credibility, focusing on identifying journals indexed in Scopus, Web of Science, and ADBC.

#### DAY 8,

Dr. Sowmiya Rani, Editor at Editage and Founder of Sowmis-AWW in Coimbatore, was the speaker for the final day of the Faculty Development Program (FDP). Her topic was "AI-Based Tools for Research Writing." As the use of AI continues to grow in various sectors, she explored its application in writing research articles. The session covered how AI can assist with research writing, data validation, formulating questions, conducting literature reviews, creating images for articles, and simplifying data analysis.



The eight-day sessions were collectively a very useful program for all research scholars and faculty members in writing quality articles. There was strong participation, with 138 participants from different institutions.

## IPR Cell in association with Centre for PG Studies

### Guest Lecture On “Practical Exposure to the Non-Obviousness and Industrial Applications Of Patents and Copyright”

**Date:** 12/07/2024

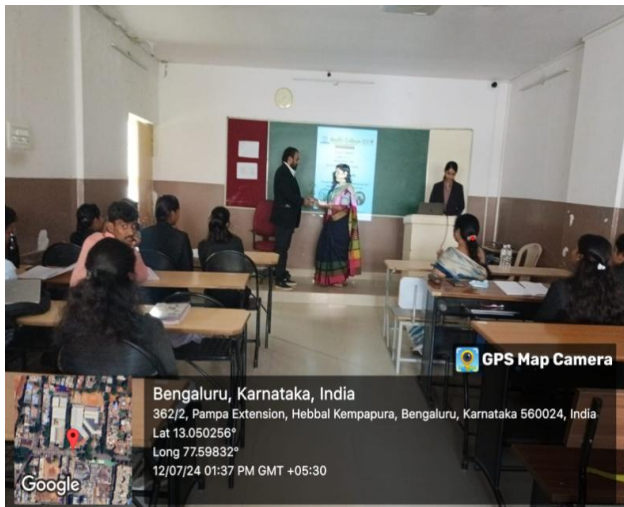
**Time:** 1.30 pm

**Venue:** Class room 403

**No. of Participants:** 14

**Resource Persons:** Adv. Anirudh Murali

On July 12, 2024, the Intellectual Property Rights (IPR) Cell and the Centre for PG Studies organised a guest lecture on "Practical Exposure to the Non-Obviousness and Industrial Applications of Patents and Copyright." The session was led by Adv. Anirudh Murali, High Court, Karnataka, who has extensive experience in dealing with copyright-related cases. The objective of the workshop was to raise awareness among students about the practical exposure to the non-obviousness and industrial applications of patents and copyrights and to help them understand the legal implications of using non-obviousness and industrial applications of patents and copyrights.



# Centre for PG Studies

## Workshop on “Copyrights and AI”

**Date:** 02/02/2024

**Time:** 2.00 pm

**Venue:** Seminar Hall

**No. of Participants:** 25

**Resource Persons:** Advo. Mahima Meenaxi, High Court, Karnataka

On 5th February 2024, the Intellectual Property Rights (IPR) Cell in association with the Centre for PG Studies organized a workshop on "Copyrights and AI". The session was led by Ms. Mahima Meenaxi, Advocate, High Court, Karnataka, who has extensive experience in dealing with copyright-related cases. The objective of the workshop was to create awareness among students about the importance of copyrights in the age of AI and to help them understand the legal implications of using AI-generated works.



During a workshop, Ms. Mahima provided her insights on Copyright laws and policies, with a particular focus on AI-generated works. She explained the key principles of copyrights and how they apply to AI-generated works, along with the challenges and opportunities they present. The workshop had a total of 25 attendees from Sindhi College and Govt. R C College, consisting of M.Com and M.Com(FA) students who actively participated in the session. They gained valuable knowledge on the topic through the highly interactive workshop, where they had the opportunity to ask questions and clarify their doubts.