



Chief Patron

Prof. Vinay Kumar Pathak
Hon'ble Vice Chancellor



Resource Person

Prof. D. N. Sansanwal
Former Dean & Head
Faculty of Education & Psychology
Devi Ahilyabai Vishvavidyalaya
Indore MP

2024

TWO WEEKS

NATIONAL

WORKSHOP

ON

UNDERSTANDING
RESEARCH
METHODOLOGY:
PARADIGMS,
PRACTICES &
PROCESSES



OCT 14 - 27,
2024

RESOURCE PERSON

OFFLINE

Organisers



DEPARTMENT OF EDUCATION
CSJM, UNIVERSITY
KANPUR UP

RESEARCH & DEVELOPMENT CELL
CSJM, UNIVERSITY
KANPUR UP



REGISTRATION STARTS FROM 05/09/2024



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+91-7905184427

About the Organizers

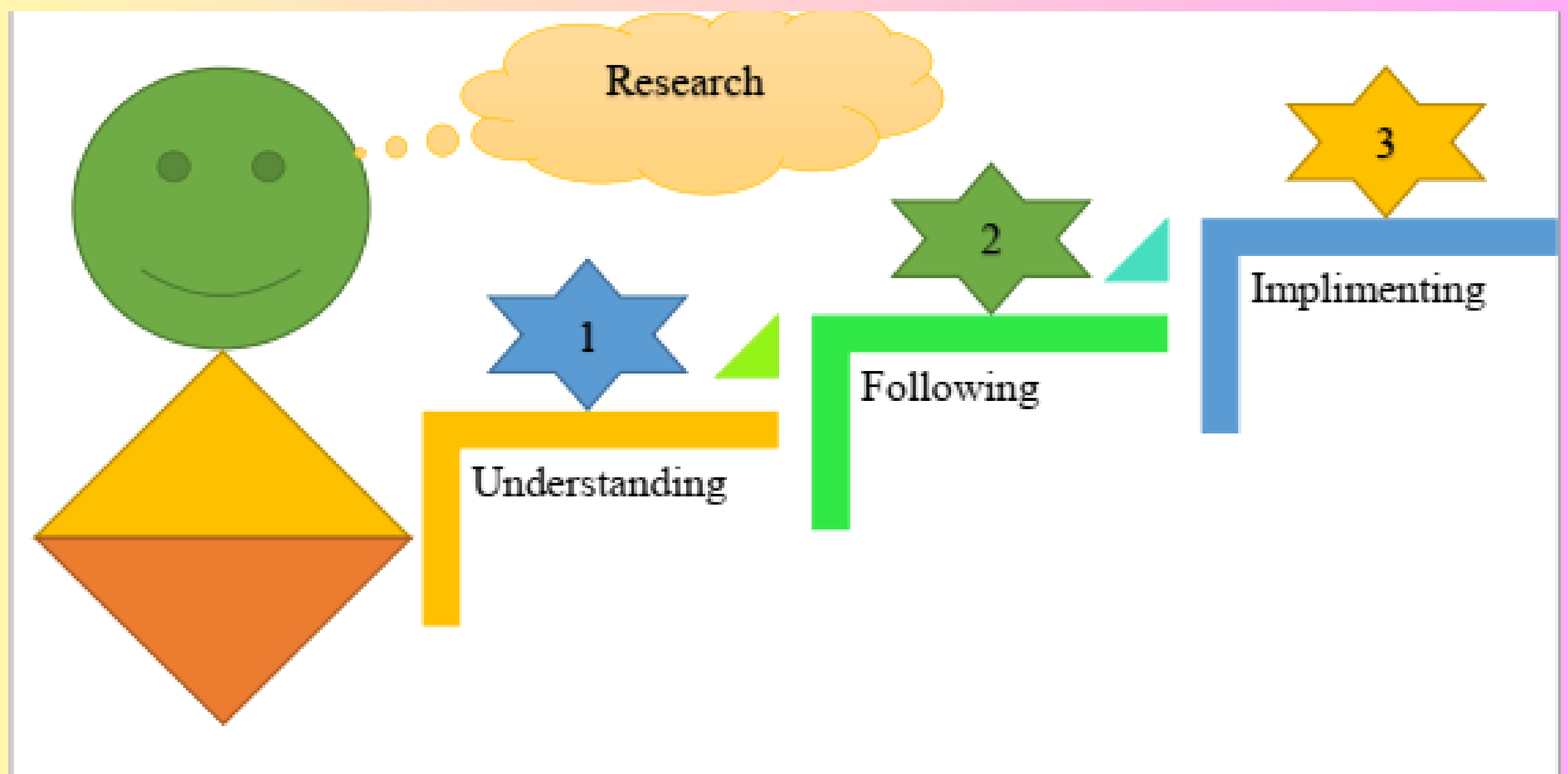
The Department of Education, School of Teacher Education, and Research & Development Cell CSJM University Kanpur UP will jointly organize this workshop. The brief details of both the organizers are as follows.

The Department of Education started its journey in 1980 with M.Phil. (Education) Course. Department of Education runs B.Ed., M.Ed., and Ph.D. programs. This Department's alumni serve various University Departments, Government Teachers Training Colleges, DIETs, and Teachers Training Colleges run by various Trusts. This Department's students also serve as teachers in Kendriya Vidyalaya, Primary, and Upper Primary & Secondary Schools of various State Governments. This Department's alumni also serve Provincial & Union Civil Services and premier institutions like UGC. The Research focal areas of the Department are psychological aspects of learning, Gender Issues, Education of the disadvantaged, Policy analysis, Professional Development of Teachers, Curriculum Design, Educational Management and administration, etc.

The University Research & Development (URD) Unit was specifically set up in the University to provide specialized administrative and managerial support for the operation of Sponsored Research Projects, Consultancy Jobs, and other R&D-related activities. CSJM University specializes on sponsored research and industrial interaction, and accordingly, it strives to provide the right research environment to faculty members and the student body.

Idea and Genesis of this Conference

Research plays the role of both the foundation of higher education and building the future of higher education, and in this order, the role of the researcher, teacher, and the University is important. On one hand, the teacher provides his expertise and the researcher his ability and skills, on the other hand, the university provides all the facilities from which the researchers and teachers can benefit and contribute to this continuous journey of knowledge. In this contribution, the sacrifice of the hard work of researchers is significant. Understanding, following, and implementing the research process is the most important component of these sacrifices. The first step is to develop an understanding of the research process. Let us try to understand it through a diagram



Keeping in mind the need, significance, and importance of the research and its process, paradigms and practices, The Department of Education and University Research & Development Cell of Chhatrapati Shahu Ji Maharaj University Kanpur Uttar Pradesh is going to organize a ‘Two Weeks Workshop’ on concern mentioned and University Research & Development Cell of Chhatrapati Shahu Ji Maharaj University Kanpur Uttar Pradesh is going to organize a ‘Two Weeks Workshop’ on concern mentioned above.

Learning Objectives of this Workshop

The major learning objectives of this workshop are as follows-

- To introduce the new paradigms, practices, and processes of Research
- To develop a comprehensive understanding of the fundamentals of the research process
- To support participants in enhancing and enriching their research skills and abilities
- To promote quality research work in its various dimensions
- To provide hands-on-experience of Statistical Package for Social Sciences (SPSS)
- To elaborate on various advanced research methodological practices and process
- To simplify various complex terms and terminologies related to the process of research

Major & Significant Area



Target Groups

| Post Graduate Students | Research Scholars (Ph.D. Students) | Faculty Members |
|------------------------|---------------------------------------|-----------------|
| <div></div> | <div></div> | <div></div> |

Registration & Fee

Registration for persons interested in participating in this Workshop, submit their application through Google form on or before 10 October 2024. Participants (faculty members) are advised to get their permission letter/NOC from their respective institutions and produce it when joining the program. The Registration fee and Seat details (Category-wise) for this Workshop are as follows –

| Sl. No. | Category | Fee | Seats |
|---------|------------------------|------|-------|
| 1. | Faculty Members | 4000 | 30 |
| 2. | Research Scholars | 3000 | 60 |
| 3. | Post Graduate Students | 2000 | 10 |
| Total | | | 100 |

*Seats may be increased on the participant's demand and after the approval of the Hon'ble Vice-Chancellor.

**Registration fee is not refundable in any circumstances

***Post Graduate Students studying in the Department of Education, CSJM University Campus Only, will be provided separate seats (other than those prescribed in the table) at a 50% discount i.e. Rs. 1000/- without food.

The participants must submit the registration fee by using Online Mode (NET Banking/ UPI/ QR Code) to the University's Account No 40465185585. Selected participants will be intimated through mail or phone. Selection will be based on the guidelines provided by the organizing committee of this workshop.

***High Tea & Lunch is included in the respective fee**

Link for Registration

Faculty Members: <https://forms.gle/Ab7DpFRfyCJi64fz9>
Research Scholars: <https://forms.gle/UZrVWATVYeuCbx5p6>
Post Graduate Students: <https://forms.gle/jJwSgx7ujAPmvc9c9>

Accommodation & Travel Facilities

Participants

No accommodation facility or TA/DA would be provided to the participants by the University/Organizers. Hence, the University may accommodate outstation participants on a payment basis in its guest houses/hostels (matter of availability) based on their prior demands.

Important Dates with Person to be Contacted

| Registration | | | |
|-----------------|------------|-------------|--------------------------|
| Starts with | | End with | |
| 05/09/2024 | | 10/10/2024 | |
| Contact Details | | | |
| Name | Contact No | Whatsapp No | e-mail |
| Dr. Vimal Singh | 7905184427 | 9452913556 | drvimalsingh@csjmu.ac.in |

Certification

Certificates will be provided to all participants with appropriate attendance



Resource Person
Prof. D. N. Sansanwal
Former Dean & Head
Faculty of Education & Psychology
Devi Ahilyabai Vishwavidyalaya
Indore MP

About the Resource Person

Dr. D. N. Sansanwal retired as Head and Dean, of the Faculty of Education, at Devi Ahilya University, Indore. He holds M.Sc. (Physics) and Ph.D. (Education) degrees. The areas of specialization are Research Methodology, Experimental Design, Advanced Educational Statistics, Educational Measurement and Evaluation, Educational Technology, Science Education, and Information and Communication Technology. He invented Jerk Technology, Multiple Discriminatory Type Item, Multiple Answers Type Item, Moral Discussion Model, and Educational Clinic.

He was a visiting Professor in CASE, M.S. University, Baroda from 25 December 1985 to 24 January 1986; Department of Education, Saurashtra University, Rajkot from 7 – 26 March 1988; Department of Education, NEHU, Tura from 15 – 31 March 2012. He had foreign assignments at River State University of Science and Technology, Nigeria from 1982 to 84, & and King Mongkut's Institute of Technology, Thonburi, Bangkok from 1 March to 28 May 1987. He taught Business Research Methods and Quantitative Techniques at IIM, Indore from 2004 to 2008. He also taught Business Research Methods at the Indian Institutes of Foreign Trade (IIFT), New Delhi. He visited Foreign Universities in Britain, West Germany, Holland, Switzerland, Canada, Nigeria, Thailand, China, Malaysia, USA, etc. He has published extensively both in Indian and Foreign Journals of repute. After retirement, he has conducted 192 workshops of seven to fifteen days on Research Methodology, Statistics, and the use of SPSS all over India.

He has given Thousand Six Hundred & seventy-two Webinar Lectures each of Two to Three Hours on different topics including Research Methodology, Statistics, and the use of SPSS. He was Chairman of the Northern Regional Committee of NCTE from 2008 to 2010.

Dr. Sansanwal was given the Best Teacher Educator Award by the ALL INDIA ASSOCIATION OF TEACHER EDUCATORS, India as well as by RESEARCH INDIA FOUNDATION, Lifetime Achievement Award for Continuous Excellence in Teaching, Research, and Administration (2022)

Patron



Prof. Sudhir Kumar Awasthi
Hon'ble Pro-Vice Chancellor
CSJM University Kanpur UP



Co-Patron
Dr. Anil Kumar Yadav
Registrar, CSJM University Kanpur UP



Chairperson
Prof. Sandeep Kumar Singh
Director, IQAC, CSJM University Kanpur UP



Convener
Dr. Rashmi Gore
Associate Professor
School of Teacher Education
CSJM, University Kanpur



Convener
Dr. Anuradha Kalani
Dean
Research & Development Cell
CSJM, University Kanpur UP



Organizing Secretary
Dr. Vimal Singh
Assistant Professor
Department of Education
CSJM, University Kanpur UP



Organizing Secretary
Dr. Badri Narayan Mishra
Assistant Professor
Department of Education
CSJM, University Kanpur UP



Co-Organizing Secretary
Dr. Gopal Singh
Assistant Professor
Department of Education
CSJM, University Kanpur UP



Co-Organizing Secretary
Dr. Ratnartuh Mishra
Assistant Professor
Department of Education
CSJM, University Kanpur UP

Organizing Committee

Distinguish Faculty Members

Dr. Rashmi Gore, Associate Professor & Head

| | |
|--|---|
| Dr. Tanuja Bhatt, Assistant Professor | Mrs. Anupama Yadav, Assistant Professor |
| Ms. Priyanka Maurya, Assistant Professor | Dr. R. P. Saini, Assistant Professor |
| Dr. Gopal Singh, Assistant Professor | Mr. Shiv Charan Patel, Assistant Professor |
| Dr. Ratnartuh Mishra, Assistant Professor | Dr. Sneh Pandey, Assistant Professor |
| Dr. Vimal Singh, Assistant Professor | Mrs. Priya Tiwari |
| Dr. Badri Narayan Mishra, Assistant Professor | Dr. Kunwar Kuldeep Chauhan |
| Dr. Kalpana Agnihotri, , Assistant Professor | Mr. Pradeep Kumar Tiwari |

Team Research & Development Cell

| | |
|---|--|
| Dr. Anuradha Kalani, Dean Research and Development Cell CSJM University Kanpur | |
| Dr. Chandresh Sharma, Assistant Dean | Dr. Gopal Singh, Assistant Dean |
| Dr. Vimal Singh, Assistant Dean | Dr. Namita Tiwari, Assistant Dean |
| Dr. Pravin Kumar Agarwal, Assistant Dean | Dr. Dhananjay Dey, Assistant Dean |

Schedule

| Date | Session | Timings | Topic |
|------------|----------------|---------------------|---|
| 14/10/2024 | S ₁ | 10:30 am - 12:00 pm | Research: Definition, Characteristics, and types |
| | S ₂ | 12:00 pm – 01:30 pm | Steps of Research- in short |
| | S ₃ | 02:00 pm – 03:30 pm | Variables and its' classification and Sources of Problem |
| | S ₄ | 03:30 pm – 05:00 pm | Title writing for different types of Research |
| 15/10/2024 | S ₁ | 10:30 am - 12:00 pm | Title writing and Objective writing for Qualitative Research. |
| | S ₂ | 12:00 pm – 01:30 pm | Title writing and Objective writing for Quantitative Research. |
| | S ₃ | 02:00 pm – 03:30 pm | Hypothesis: Meaning, Basis, Types, Forms, Wording |
| | S ₄ | 03:30 pm – 05:00 pm | Testing of Hypothesis: Concept of Degree of Freedom and Level of Significance |
| 16/10/2024 | S ₁ | 10:30 am - 12:00 pm | Hypothesis: One Tailed Test and Two Tailed Test |
| | S ₂ | 12:00 pm – 01:30 pm | Type I Error, and Type II Error. |
| | S ₃ | 02:00 pm – 03:30 pm | Definitions of Universe, Population, Sample, Frame and Sampling |
| | S ₄ | 03:30 pm – 05:00 pm | Sampling Techniques- Probability Sampling Technique: Random Sampling Technique, Systematic Sampling Technique: Title and Objective |
| 17/10/2024 | S ₁ | 10:30 am - 12:00 pm | Probability Sampling Technique: Stratified Random Sampling Technique and Stratified Proportionate Random Sampling Technique : Title and Objective |
| | S ₂ | 12:00 pm – 01:30 pm | Probability Sampling: Cluster Sampling Technique and Multistage Sampling Technique: Title and Objective |
| | S ₃ | 02:00 pm – 03:30 pm | Non-Probability Sampling- Purposive Sampling Technique: Title and Objective |
| | S ₄ | 03:30 pm – 05:00 pm | Non-Probability Sampling- Judgement Sampling Technique: Title and Objective |
| 18/10/2024 | S ₁ | 10:30 am - 12:00 pm | Non-Probability Sampling- Incidental Sampling Technique: Title and Objective |
| | S ₂ | 12:00 pm – 01:30 pm | Non-Probability Sampling- Quota Sampling Technique: Title and Objective |
| | S ₃ | 02:00 pm – 03:30 pm | Sampling Error and Procedure of determining Sample Size |
| | S ₄ | 03:30 pm – 05:00 pm | Tool: Characteristics, Difference between Measurement and Assessment, Difference between Standardize and Un-standardize tools |
| 19/10/2024 | S ₁ | 10:30 am - 12:00 pm | Steps of developing and Standardization of Tool |
| | S ₂ | 12:00 pm – 01:30 pm | Methods of establishing Reliability |
| | S ₃ | 02:00 pm – 03:30 pm | Methods of establishing Validity and Norms |
| | S ₄ | 03:30 pm – 05:00 pm | Method of Research: Experimental Method: Definition and Elements |
| 20/10/2024 | S ₁ | 10:30 am - 12:00 pm | Principle and Types of Experimental Design |
| | S ₂ | 12:00 pm – 01:30 pm | Experimental Design: Internal Validity |
| | S ₃ | 02:00 pm – 03:30 pm | Experimental Design: External Validity, Factors affecting Internal Validity |
| | S ₄ | 03:30 pm – 05:00 pm | Factors affecting External Validity |

Schedule

| Date | Session | Timings | Topic |
|------------|----------------|---------------------|---|
| 21/10/2024 | S ₁ | 10:30 am - 12:00 pm | Scales of Measurement |
| | S ₂ | 12:00 pm – 01:30 pm | Difference between Parametric Statistics and Non-Parametric Statistics |
| | S ₃ | 02:00 pm – 03:30 pm | t-Test: Assumptions, Writing of Title, Objective and Hypothesis |
| | S ₄ | 03:30 pm – 05:00 pm | Calculation using SPSS and Interpretation of Results |
| 22/10/2024 | S ₁ | 10:30 am - 12:00 pm | One Way ANOVA: Assumptions, Writing of Title, Objective and Hypothesis |
| | S ₂ | 12:00 pm – 01:30 pm | Calculation using SPSS and Interpretation of Results |
| | S ₃ | 02:00 pm – 03:30 pm | Two Way ANOVA: Assumptions, Writing of Title, Objective and Hypothesis |
| | S ₄ | 03:30 pm – 05:00 pm | Calculation using SPSS and Interpretation of Results |
| 23/10/2024 | S ₁ | 10:30 am - 12:00 pm | One Way ANCOVA: Assumptions, Writing of Title, Objective and Hypothesis |
| | S ₂ | 12:00 pm – 01:30 pm | Calculation using SPSS and Interpretation of Results |
| | S ₃ | 02:00 pm – 03:30 pm | Two Way ANCOVA: Assumptions, Writing of Title, Objective and Hypothesis |
| | S ₄ | 03:30 pm – 05:00 pm | Calculation using SPSS and Interpretation of Results |
| 24/10/2024 | S ₁ | 10:30 am - 12:00 pm | Correlation: Assumptions, Writing of Title, Objective and Hypothesis |
| | S ₂ | 12:00 pm – 01:30 pm | Calculation using SPSS and Interpretation of Results |
| | S ₃ | 02:00 pm – 03:30 pm | Partial Correlation: Assumptions, Writing of Title, Objective and Hypothesis |
| | S ₄ | 03:30 pm – 05:00 pm | Calculation using SPSS and Interpretation of Results |
| 25/10/2024 | S ₁ | 10:30 am - 12:00 pm | Multiple Correlation: Assumptions, Writing of Title, Objective and Hypothesis |
| | S ₂ | 12:00 pm – 01:30 pm | Calculation using SPSS and Interpretation of Results |
| | S ₃ | 02:00 pm – 03:30 pm | Regression Analysis: Assumptions, Writing of Title, Objective and Hypothesis |
| | S ₄ | 03:30 pm – 05:00 pm | Calculation using SPSS and Interpretation of Results |
| 26/10/2024 | S ₁ | 10:30 am - 12:00 pm | Chi-Square Test: Assumptions, Writing of Title, Objective and Hypothesis |
| | S ₂ | 12:00 pm – 01:30 pm | Calculation using SPSS and Interpretation of Results |
| | S ₃ | 02:00 pm – 03:30 pm | Mann Whitney U-Test: Assumptions, Writing of Title, Objective and Hypothesis |
| | S ₄ | 03:30 pm – 05:00 pm | Calculation using SPSS and Interpretation of Results |
| 27/10/2024 | S ₁ | 10:30 am - 12:00 pm | Thesis Writing |
| | S ₂ | 12:00 pm – 01:30 pm | Research Paper/Research Article Writing |
| | S ₃ | 02:00 pm – 03:30 pm | Plagiarism and Similarity |
| | S ₄ | 03:30 pm – 05:00 pm | Concluding Remarks |