



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)

RESEARCH METHODOLOGY WORKSHOP REPORT

(FOR ALL FACULTIES OF SAS AND DOM)

Date: From 31-05-2021 to 04-06-2021

Mode : Online

Platform: Microsoft Team & Google Meet

Total faculties attended: 45

Conducted By

School Of Arts and Science

&

Department Of Management

1. Name of the Institute : School of Arts and Science & Department of Management
2. Name of the organizing body : Under the guidance of VMRF research section SAS & DOM
3. Any collaborating agency : VMRF (DU)
4. Type of the event organized : Workshop
5. Level of the event : SAS & DOM (internal)
6. Name of the event : Research Methodology Workshop
7. Date : 31-05-2021 to 04-06-2021
8. Duration : Five days (5 X 4 = 20hrs.)
9. Number of participants – faculty : 45
10. Number of participants – external : Nil
11. Presidential Address : Dr. R. Shanmugavalli, Dean & Director, Arts & Science, AV Campus, VMRF (DU).
12. Special Address : Prof. P.S.Balaganapathy, Dean & Dy. Director, Management, AV Campus, VMRF (DU)
13. Chief Guest on inauguration : Dr.S.A.V.Sathyamoorthy, Director, Research, VMRF (DU)
14. Invitation : Annexure -I
15. Name of the resource person with Designation and Affiliation : Annexure-II
16. Expenditure incurred : Nil
17. Time of the FN session : 10 am to 12 pm
18. Time of the AN session : 2 pm to 4 pm
19. Attendance : Annexure –III
20. Session wise Evidences : Annexure – IV
21. Valedictory Details : Annexure –V
22. Valedictory Chief Guest : Dr. K. Sathyanarayan, Associate Professor, DoM, University of Madras.
23. Vote of thanks : Mr.T.Thangaraja, HOD, DoM, AV Campus

24. Certification status : Yes, issued to all faculties; Annexure-VI
25. Certificate of appreciation status : Yes, issued to all Resource persons
26. Feedback form : Collected from all faculties (Annexure –VII
Some forms before and after have attached)

REPORT ON RESEARCH METHODOLOGY WORKSHOP

School of Arts and Science (SAS) and the Department of Management (affiliated institutes of VMRF) conducted the five days (5 X 4 = 20 hrs.) research methodology workshop from 31-05-2021 to 04-06-2021 to motivate the research steps and ethics among the faculties.

31st May 2021: Introduction, defining a research problem, refining research questions, Formulating objectives and hypothesis, Research Designs -1, Selecting appropriate research designs, Observational designs, Cross- Sectional studies.

The workshop began with inaugural function on 31st May at 9.50 am and was carried on with the Thamizhthai Vazhthu. Ms. Padmaragam, Head of the Department of English welcomed the gathering, the chief guest Dr. S. A. V. Sathyamoorthy, Director Research, VMRF, Dean & Director Dr. R. Shanmugavalli, School of Arts and Science, VMRF (DU), Both the institute faculties Dean & Director of Management, VMRF (DU) P. S. Balaganapathy. & Dr. R. Shanmugavalli, School of Arts and Science, VMRF (DU) gave presidential address and explained the importance of research in the present scenario. The deans of both the institutes explained the innovative technique of the research methodology in special address. Followed by the special address, the session was shared by the chief guest and chairperson of the day.

The chairperson, influenced the gathering by prioritizing research publication and its relevancy in today's world of research. Suggestions and the necessity of research publications were articulated by the chairperson. The workshop began as per schedule that highlighted vital norms of UGC. The session took its heel the need of research and its ethical principles by Prof. P. S. Balaganapathy. The latter half of the session covered topics such as the objectives of research, the hypothesis and frame work of research outline. The session extended to the research topic, formulating objectives and hypothesis. The session took a day break and reverted at 2 o clock with the precise presentation by Dr. A. Ganesh Kumar, (M.Sc., Ph.D, MABMS, PDF), Associate Professor Department of Microbiology, HCAS, Padur, OMR, Chennai, who subjected elements of research and design into two categories, Observational designs and Cross- Sectional studies (Research Designs -1). The entire session summed up with interaction and clarification by all the faculties at ease.

1st June 2021 Research design-2: Case-Control studies in research, Cohort studies in research; Research Designs- 3-Experimental: Before- After studies of a research problem, Randomized controlled trial

Day three of the workshop was headed by Prof. P. S. Balaganapathy, explicated the research design and studies into two branches: Case-Control studies and Cohort studies. The nuances of the study focused on developing a research thesis and writing research articles in particular. The quality of research stood the main ingredients. Practical representation of research drafts were displayed by the audio visual PPTs.

The better half of day three was taken over by Dr. Indra Priyadharshini.K, Associate Professor, Dept of Oral Pathology.,VMSDC of purely experimental analysis of the collaboration of the Science and Arts research problems in accompany with Dr. A. Merwyn Jasper D Reuben, Head of the Department of Crystal Growth and Nanotechnology, Saveetha Institute of Medical and Technical Sciences, Thandalam, Chennai. The mathematical models for the randomized controlled trial which are related to the research experimental models were presented by the resource person.

2nd June 2021-Sampling and questionnaire design part-1, Sampling and questionnaire design part-2, Steps in protocol development Critical appraisal of the journal article.

Day four, the fifth session illustrated the methodologies of sampling and questionnaire design models creatively using Visual models and videos for an easy read by Prof. Dr. V. Sheela Mary, Department of Management. Followed by the sixth session was valuably known for its systematic and excellent feed on protocol development and critical appraisal of the journal articles shared excellently ignited by Dr. R. Shanmugavalli, Dean & Director, School of Arts and Science, VMRF. The session was an open forum for research discussion and ideology for all the participants of the dual institutes.

3rd June 2021- Introduction to biostatistics, collection of data classification and presentation of data Measures of central tendency, dispersion and probability distribution.

The Seventh session explored the mathematical model and research design spoken of by Dr. S. Sundaram, Asst. Professor, Department of Statistics, Presidency College, Chennai, on the topic Introduction to Biostatistics and Collection of Data. On equal basis the session was shared by Dr.V. Anandham. HOD & Associate Professor, Department of Mathematics, School of Arts and Science, AV campus, Chennai, who classified, the signification of data in research methodology. The eighth session elaborately explained the topic Measures of Central Tendency, Dispersion and Probability Distribution for various research outcomes. By Mr.T. Thangaraja, Head of the Department of Management (DoM), AV campus, Chennai, in addition the probability calculation and application in research paper publication was made significant to the whole lot. To sum up the entire session, deep observation and appreciation was marked by Dr. R. Shanmugavalli, Dean & Director, School of Arts and Science.

4th June 2021

The last session of the workshop, 'A mathematical inferential statistics' was promoted by Dr. S. Venkatesan, Senior Lecturer of Sri Ramachandra Institute of Higher Education and Research. The session was merely of statistical discussion of applications in research and also an eye opener to Business and Commerce data with statistical models. The Authentic evidences of the presentation were displayed with reported data. To conclude the workshop, P. S. Balaganapathy, Dean & Dy. Director Management, VMRF-(DU) brushed the topics of research design such as Correlation, Regression of Research Data and Sample Size Calculation. The epitome of research methodology was fruitfully explored by the eminent guests, Directors of SAS and DoM and enthusiastic participants

Valedictory

Valedictory function was conducted on the last day of the workshop. Dr. K. Sathyanarayan, Associate professor, DoM, University of Madras chaired the session magnanimously. The valedictory note was preceded by Prof. I. Ameeth Basha, HOD, Chemistry. The Deans & Directors, School of Arts and Science and Management VMRF (DU) addressed the gathering by exuberating the protocols of research methodology and the effectiveness of the workshop executed. The guest of honor Dr, K. Sathyanarayanan enlightened the crowd by voicing out the ethics of research and its academic necessity. Vote of Thanks was given by Mr. T. Thangaraja, HOD, Department of Management and he also showered the gratifying words. All-inclusive, the workshop on research methodology workshop ended up with due respect and patriotism with the choir of National Anthem. It was indeed, an accomplished workshop in the history of SAS.

Report prepared by



Dr.R.Jayaprakash



Dean & Dy. Director

DoM

AV Campus, VMRF DU



Dean & Director

Arts and Science

AV Campus, VMRF DU