

॥ विद्या परम् दैवतम् ॥



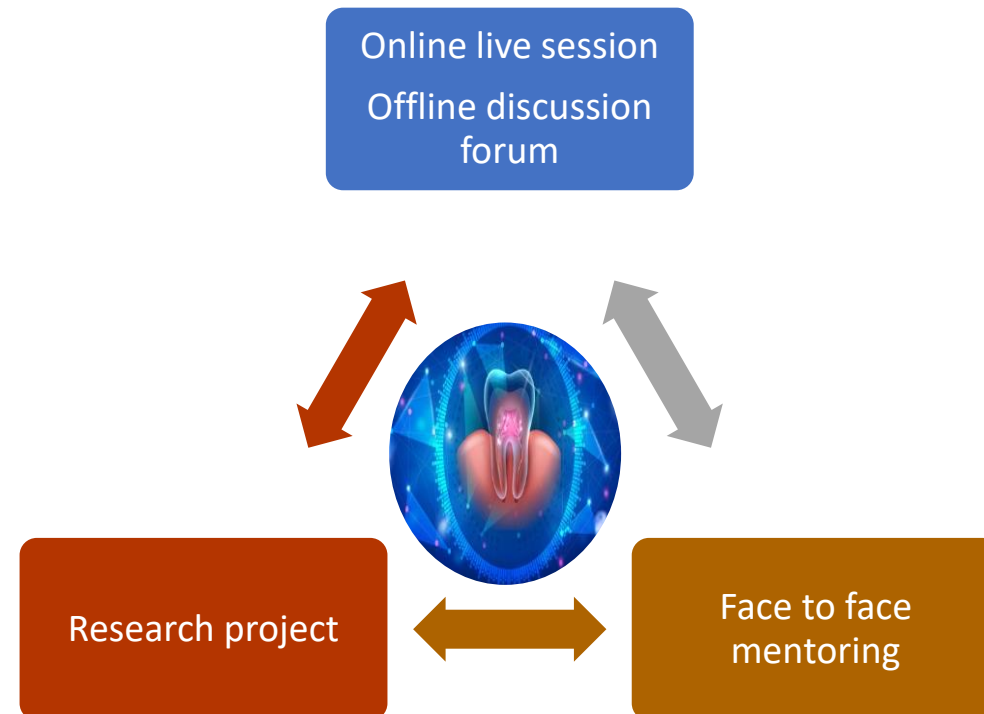
**VSPM**  
Education Is Life

# VSPM Dental College and Research Centre, Nagpur E-learning course

## Research Methodology & Scientific Writing

**An initiative by Interns Monitoring & E-learning Committee**

Second batch starts from 7<sup>th</sup> Feb 2022, Course Co-ordinator: Dr Surekha Rathod (Professor, Dept of Periodontics, VSPMDCRC, Nagpur)



# *Expected Learning Outcomes*

- Understanding of Research Concepts & Methodology.

- Choose the right research design for different research questions.

- Record and Analyse data using basic statistical techniques.

- Interpret analysis of data and report findings for publishing.

**Hands on experience:**  
Undertake and complete a research project including manuscript preparation and submission

# Course structure

- Week 1: Module 1-4
- Week 2: Modules 5-8
- Week 3: Modules 9-12
- Week 4: Assessment and project submission
- There will be an assignment after each module that needs to be submitted via Google-groups: **25 marks for each week, total 75 marks**
- Final research project submission (including manuscript) and online examination: **75 marks**
- Certification requirement: **min marks 100 out of 150.**

# Course Content

Modules	Topic	Resource person
1	Intro to the course & Conceptual Background of Research	Dr Saeesh Deshpande
2	Conceptualization of Variables and Measurement	Dr Vrushali Lathiya
3	Research Problem: Qualitative and Quantitative Research	Dr Pranjali Bawankar
4	Research Design, Identification of Research Topics, Hypothesis Formulation with hands on	Dr Vrushali Lathiya
5	Tools & Techniques of Data Collection: Primary & Secondary	Dr Pranjali Bawankar
6	Questionnaire Design & Testing with hands on	Dr Saeesh Deshpande
7	Data Tabulation and Graphic presentation of data	Dr Saeesh Deshpande
8	Basics of statistical analysis	Dr Saeesh Deshpande
9	Synopsis writing, completion report writing and submission process to IEC with hands on	Dr Surekha Rathod
10	Problems faced during Research and their Remedies	Dr Saeesh Deshpande
11	Writing scientific Research Papers and submitting for publication to journal with hands on	Dr Surekha Rathod
12	Ethical and Copyright Issues (Plagiarism) in Research	Dr Jaishree Chahande
13	Online assessment including pre and post test	Dr Jaishree Chahande
14	E-poster presentation	Dr Jaishree
	Submission of manuscript	Chahande