

Content of Workshop:-

Basic concept of Research, Characteristics, types and Steps of Research, Variable and its classification.

Hypothesis: Meaning, Types, Wording, Testing, Type I Error, Type II Error, One Tailed Test and Two Tailed Test.

Sampling: Population, Sample, Sampling Techniques- Probability Sampling and Non-Probability Sampling, Size of sample and Sampling Error.

Tools: Characteristics, Types, Selection of appropriate tool, Construction and Standardization of tool.

Methods of Research: Philosophical, Historical, Survey, Experimental and case Study.

Experimental Designs: Principle, Characteristics, Types, Internal and External Validity, Different Methods of Controlling Intervening Variables, Layout of Designs, Internal and External Validity of each Design, Statistical Technique to be used for analyzing the data along with interpretation.

Basic concepts of Statistics, Parameter and Statistics, parametric Statistics and Non Parametric Statistics, Different Statistical Techniques- Assumptions, Calculation, and Interpretation. Use of SPSS.

Registration:-

Registration fee for each participant is Rs. 3000/-. The fee includes workshop materials, accommodation & food etc. Fee must be sent through Demand Draft in favor of "Damyantitai Deshmukh B.Ed. College, Ramtek".

Note: - No TA/DA will be paid to the participants.
No registration on the day of workshop.

Accommodation:-

Residential facility will be available inside the college campus.

Address for Correspondence :-

The Principal,

Damayantitai Deshmukh B.Ed. College, Ramtek

Mouda Road, Ramtek, Post- Nagardhan, Tah- Ramtek

Dist - Nagpur, Pin-441106

(Maharashtra)

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Distinguished Speaker:-

Dr. D.N. Sansanwal

Chairperson, Northern Region,

NCTE, Jaipur & Ex. Dean,

Devi Ahilya Vishwavidyalaya' Indore.

Advisory Committee

- 1) Dr. P.G. Bhojar
- 2) Dr. Kalyani Indurkar
- 3) Shri Ravikant V. Ragit
- 4) Shri W. B. Tongse
- 5) Shri Manish Kolhe
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- 7) Ku. Megha Jaiswal

Organising Committee

Shri Manish Kolhe
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Shri Raghvendra B. Yerpude
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NATIONAL WORKSHOP

ON

**Research Methodology,
Statistics and use of
SPSS**

3rd April to 9th April 2010



Organized by

Damyantitai Deshmukh B.Ed. College,
Ramtek, Mouda Road, Ramtek
Dist- Nagpur

-Venue-

Darpan Sabhagraha
Damyantitai Deshmukh B.Ed. College,
Ramtek, Dist- Nagpur

Contact No. 09422816552, 09890417140



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College At A Glance :-

Damyantitai Deshmukh B.Ed. College is run by Drushti Bahuuddeshiya Shikshan, Paryatan va Paryavaran Vikas Sanstha, Ramtek & is affiliated to Kavikulaguru Kalidas Sanskrit University, Ramtek. The college has been founded by young and dynamic person **Mr. RAVIKANT VITTALRAO RAGIT** who is the esteemed president of Sanstha. **Firstly the founder had opened Ravikant Ragit Administrative College** in the year 2001 for making strong vision for Administrative quality among students. Proper vision and proper action in positive direction can change the world. When this belief came in the mind of founder, he thought that only the teacher can do this job properly. So the founder had started educational college (B.Ed.) in the year 2003 with intake of 100 seats. In the year 2005 D.Ed. College was started. Latter on in the year 2006 additional section of D.Ed. had been started.

The college campus is situated at naturally beautiful & peaceful area surrounded by green fields. It is spread over 8 acres of land giving the thoughts of Swami Vivekananda.

All the institutions are laced with developed Psychology Lab, Science Lab, Computer Lab, Sport Room, Craft Room, well equipped seminar as well as Cultural programme hall. In college campus spacious playground is also available for the physical development of the students. For the Cognitive Development college provides Library facility with 14 thousand books. Besides course books it includes reference books, school texts books for practice lesson, General studies books and Journals etc. to facilitate the students. Students of these institutions grow with the full potential and creative dynamic personality.

Vision of the college:-

Success will kiss your feet if you travel in proper direction with proper vision. Proper vision and proper action in positive direction can change the world. Late there be hope, happiness and satisfaction.

About Ramtek:-

Ramtek which is in Nagpur district is one of the important place known for its historical, mythological, geographical, cultural and educational importance. The popularity of this place is to a great extent owing to the myths and legends that are associated with the place. Ramtek is situated at a distance of 47 kms from the city of Nagpur in Maharashtra. Ramtek is also called as Ramgiri. Ramtek is considered as one of the holy place in the state of Maharashtra.

The mythical association of the place with Rama has given Ramtek its current name. This place is also famous for its relation with great poet Kalidas. Kalidas has written Meghdootam in the hills of Ramtek. There are hills situated near Ramtek. On the Ramgiri hill historical temple of lord Rama is situated, which is said to be more than 600 years old. This temple and Bhudhist related archeological museum and Jain temple attracts the people through out India. Kavikulguru Kalidas Sanskrit University is also situated at Ramtek which has empowered the education importance of Ramtek.

Background:-

Teachers in Higher Education are expected to Teach, do Research, and involve in various extension activities. The progress, development and growth of any country depend upon the quality of RESEARCH. Various industries have Research and Development Cell that is completely managed by Researchers. The government also lays emphasis on quality of research. Not only this, there are various funding agencies which provide funds for conducting researches. Incentives are also there in career advancement. On the other hand, the quantitative expansion is clearly visible along with the qualitative decline. There might be many reasons for such a state of affair.

One of the reasons might be lack of training and understanding of Research Methods, use of Statistics in analyzing the data and interpretation of results. These days data can be analyzed with the help of Statistical Package for Social Sciences (SPSS) but the researcher must be able to select appropriate Statistics for analyzing the data. Further the researcher is expected to analyze data using SPSS, read correctly the output, select information from SPSS output for incorporating it in the table and interpret it correctly. Commonly it is observed and felt that researchers are not very strong on these aspects of research. For helping the researchers in these and allied aspects, **NATIONAL WORKSHOP ON RESEARCH METHODOLOGY, APPLIED STATISTICS AND USE OF SPSS** is being organized.

Objectives of Workshop:-

- To widen the understanding of basic concepts of Research and Statistics.
- To develop competency in proper selection of Experimental Design and Statistical Technique.
- To develop competency in the use of SPSS and correct interpretation of output of SPSS.

Target Group:-

Any researcher (Teacher or Researcher) from any field where training in Research Methodology, Applied Statistics and use of **SPSS** can help in qualitative improvement of research. Some of the fields to which the researchers can belong are: Education, Management, Social Works, Physical Education, Psychology, Medical Sciences, Para Medical, Geography, Home Science, Arts, commerce, Sciences etc.