

# S. N. Mor Art's, Commerce & Smt. G. D. Saraf Science College, Tumsar Dist. Bhandara - 441912

## Report on Short Term Courses

Our College submits a proposal to the Department of Continuing, Adult Education and Extension, Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur, for the short term course 'Six Months Certificate Course in Research Methodology'. The board of Continuing, Adult Education and Extension, R. T. M. Nagpur University Nagpur gives permission to us for starting this course in **June, 2014**.

Hence we conduct the course in **four** batches.

1. Batch I - July, 2014 to January, 2015.
2. Batch II - February, 2015 to July, 2015.
3. Batch III - August, 2015 to February, 2016.
4. Batch IV - March, 2016 to April, 2016.

Batch	Duration	Total Adm.	Appeared to Exam	Pass	Percentage
Batch I	July, 2014 to January, 2015	70	66	48	72.72 %
Batch II	February, 2015 to July, 2015	49	49	37	75.51 %
Batch III	August, 2015 to February, 2016	27	26	17	65.38 %
Batch IV	March, 2016 to April, 2016	48	44	28	63.63 %

### Name of the Short Term Course:-

**Six Months (Short Term) Certificate Course in Research Methodology**

### Course Director

**Dr. C. B. Masram**

Principal, S. N. Mor Art's, Commerce & Smt. G. D. Saraf Science College, Tumsar Dist. Bhandara.

### Course Co-ordinator

**Dr. Rahul Bhagat**

Associate Professor & Head,

Department of Sociology

S. N. Mor Art's, Commerce & Smt. G. D. Saraf Science College, Tumsar Dist. Bhandara.

Mobile Number - 09420359657

## **Course Structure:-**

### **A. Introduction:**

Research is the scientific art of investigation. It is a great human endeavor which is the root cause of human progress. Research is the collective enterprise of exploring the new vistas of knowledge. It is carried out in the perspective of logical positivism and phenomenology. Research contributes in Knowledge expansion, knowledge explosion, knowledge transmission and knowledge management. It is the process of understanding natural as well as social realities so as to make human life smooth and comfortable.

The Six Months Certificate Course in research methodology of S. N. Mor Arts, Commerce & Smt. G. D. Saraf Science College, Tumsar Dist. Bhandara, affiliated to Department of Continuing, Adult Education and Extension, Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur has been scientifically designed to meet local and regional needs, fulfill national obligations and honor international commitments through quality research in different disciplines. To promote the excellence in research work the college has scientifically developed the Six Months Certificate Course of Research Methodology. It will enable the researchers to know the basic technicality of the paradigm of quantitative and qualitative research. It will enable them to explore the research problems as well to know their solving approach. To conclude, the course work aims to provide scientific understanding of research process to the prospective researchers.

### **Basic structure of the Course Work:**

As per the UGC Regulation 2009, the course work is a mandatory part for pursuing Ph.D. Six Months Certificate Course in Research Methodology focuses on to induce and orient the research scholars towards the basic research processes, methodology and methods. Before undertaking the doctoral dissertation work, completion of the Coursework is the pre requisite condition so as to enabling the scholars to conduct research.

### **Compulsory Course Work for Ph. D. Candidates: -**

*(Rastrasant Tukdoji Mahararaj, Nagpur University, Nagpur. Direction No. 29 of 2012 - Eligibility criteria and procedure for registration of candidates, allotment of supervisors / guide and research topics, submission of thesis and its evaluation for the award of degree of doctor of philosophy direction, 2012. Page - 10.) (Direction issued under Section 14(8) of the Maharashtra Universities Act, 1994)*

(a) After having been admitted to Ph.D. course every candidate shall have to undertake course work of minimum period of one semester which will be treated as pre Ph.D. preparation. The course work must include topics on research methodology, quantitative methods of computer application, seminars, and review of published research work in the relevant field.

(b) The evaluation of course work shall be done by the concerned Guide. Completion report of the Course work shall be submitted by the Guide to the Head of the Place of Research in duplicate (**Annexure- II**). Copy of completion report shall thereafter be forwarded by the Head of the Place of Research to the University Ph.D. Cell.

(c) If found necessary by guide, with consent of Head of the Place of Research, course work may be carried out by the candidates in departments/institutes/affiliated colleges either

within or outside the University. In such a case completion report of the course work shall be submitted by the Head of the concerned department /institute /affiliated college to the guide who shall forward it to the Head of the Place of Research. Copy of the completion report shall thereafter be forwarded by the Head of Place of Research to University Ph.D. Cell.

**Benefits in API Score for College Professors: - *In the UGC Regulation 2010 - Category – III – Research and academic contributions III (E) (i) - Refresher courses, Methodology workshops-courses, Training, Teaching-Learning-Evaluation Technology Programmes, Soft Skills development Programmes, Faculty Development Programmes (Max: 30 Marks)***

**Course Objectives:**

- a) To enable the participants to develop a scientific attitude.
- b) To develop in the participants a sound understanding of the various aspects / phases of the research process.
- c) To provide opportunities to develop various research skills.
- d) To develop an understanding of the use of statistical methods and use of computers in social science research.

**Teaching Method:**

- a) Interactive lectures / Discussion.
- b) Assignments for self-study (library work including the use of internet resources)
- c) Assignments for presentation by the student. (Assignments / Presentations relate to Writing articles, Reviews, Chapter summaries, Bibliographical lists, Research Proposals, Tolls of data collection, Abstract etc.)
- d) Workshops / Seminars / Exercises to develop research skills.

**Eligibility for course:** Any graduate from any faculty

**B. General Rules and Regulations:**

1. All graduate or all those, pursuing their doctoral work, and college or university teachers will be eligible to apply for these courses.
2. The course will commence in the month of June of every year.
3. There shall be a total of 60 seats. Fifty percent of the seats shall be reserved for the participants who belong to SC, ST, NT, VJ, OBC and SBC category.
4. In case of unavailability of the participants belong to SC, ST, NT, VJ, OBC, SBC category then, they said reserved seats will be open to the 'open category' candidates.
5. The classes will be conducted on Saturdays and Sunday (Eight teaching hours per week)
6. A Research Dissertation based on mini research shall be mandatory for all participants.
7. At least 75 percent of attendance in theory classes shall be mandatory.
8. Examination will be conducted by the Department of CAEE and Certificate duly signed by the Director Department of CAEE and Course Director will be awarded to the successful candidates only.

### **C. Pattern of Questions Paper:**

1. Question paper will consist of five question and all questions shall be compulsory.
2. There will be no internal choice.
3. All questions will carry equal Marks.
4. Each paper will be of 3 hours duration.
5. Minimum passing marks in each head (theory and dissertation) will be 50 percent.

### **D. Course Duration:**

Course Duration: One Semester (6 Months)

8 Hours per week.

Total Marks: 300 (Three Papers: 100 marks for each paper)

### **E. Course Syllabus:**

#### **Paper - I (100 Marks)**

##### **Designing Research and Problem Formulation:**

Meaning and characteristics of scientific method, Basic elements of social research - concepts, constructs, variables, hypothesis, theories, operational definitions, Various types of research designs, Qualitative and Quantitative research methods, Problem Formulation, Formulation of Research question, Formulation of hypotheses.

Sampling: Concept related to sampling - population, universe, sampling frame and sampling unit, Identification of universe and units of study, Sampling design, Adequacy of sample size, Representativeness of sample, Meaning of probability and non-probability sampling, Types of probability and non-probability sampling.

Data collection and Types of inquiry: Various sources of Data, Methods of data collection - Interview, Questionnaire, observation, and content analysis. Tools of data collection - Interview Schedule, Questionnaire, Observation schedule, Scaling techniques, Reliability and validity, Pre-testing and Pilot study.

#### **Paper - II - (100 Marks)**

##### **Data Processing and use of Computers and Statistical Methods:-**

Editing, Coding, Master chart preparation, tabulation plan, use and limitations of statistics, Proportions, Percentages, Ratios, Measures of central tendency (mean, median, mode) and dispersion, Inferential Analyses : Measures of association, test of significance (chi square, t-test), Measures of correlation (Karl Pearson's 'r' & Spearman's Rho), analysis of variance (ANOVA), level of Significance, Hypotheses Testing, Tabular and Graphical presentation of Data.

Introduction to Microsoft Office (MS Word, MS Excel or Spreadsheets, PowerPoint), Introduction to use Statistical Package for Social Sciences (SPSS), use of internet in research.

Research Report Writing including Proposals, Reviews and Abstracts, Preparation of the Research Proposals, Dissemination of research findings, standard styles of referencing, footnotes and bibliographies, preparing research abstract.

### **Paper - III (A) (50 Marks)**

#### **Dissertation based on mini research project:**

The participants will have to carry out one Mini-Research project with a minimum sample size of 15 Units for quantitative analysis. The participants will have to carry out at least one case study for qualitative study. Thus the researcher will make use of a mixed method design - partly quantitative and partly qualitative.

### **Paper - III (B) (50 Marks) - Viva Voce.**

#### **FACULTY:-**

**Paper I - Dr. Nalini Borkar**, Department of Sociology, Art's & Commerce Degree College, Petrolpump, Jawaharnagar.

**Paper II - Dr. Rahul Bhagat**, Head, Department of Sociology, S. N. Mor College, Tumsar.

**Paper III - Dr. Dipak Pawar**, Head, Department of Sociology, Women's College, Nandanwan, Nagpur.

#### **Teaching Timing:-**

##### **Every Saturday and Sunday**

**Saturday** - Evening 3.00 pm to 7.00 pm.

**Sunday** - Morning 9.00 am to 1.00 pm.

**Library timing** - Saturday 3.00 pm to 4.00 pm.

#### **FEES:-**

College admission fees	- 3000
University Registration fees	- 300
University Exam fees	- 700

#### **REFERENCE BOOKS FOR PAPER I & II:-**

1. Bagchi, Kanak Kanti (2007) Research Methodology in Social Sciences: A Practical Guide, Delhi, Abijeet Publications.
2. Sharma, B. A. V., (2000) Research Methods in Social Sciences, New Delhi, Sterling Publishers.
3. B. A. V. Busha, C. H and Harter, S. D (1980) Research Methods in Librarianship, New York, Academic Press.
4. Cooper, R. Donald and Pamela S. Schindler (2003) Business Research Methods, Delhi, Tata McGraw-Hill.
5. Ghosh, B. N. (1999) Scientific Method and Social Research, New Delhi.
6. Gilbert, Nigel (1993) Researching Social life, New Delhi, Sage Publication.
7. Good and Hatt (1952) Methods in Social Research, New York, McGraw – Hill.
8. Gopal, M. H. (1970) An Introduction to Research Procedures in Social Sciences, Bombay, Asia Publishing House.
9. Henn, Matt; Mark Weinstein and Nick Foard (2006) A Short Introduction to Social Research, New Delhi, Vistaar Publications.

10. Hunt, Morton (1989) Profiles of Social Research: The Scientific Study of Human Interactions, Bombay, Popular Prakashan.
11. Kothari, C. R. (2004) Research Methodology: An Introduction, Delhi, New Age.
12. Krishna swami, K. N., Appa Ayyar Shivakumar and M. Mathiarajan (2008) Management Research Methodology, Integration of Principles, Methods and Techniques, New Delhi,
13. Dorling Kindersley (India Pvt. Ltd.) Pearson Education.
14. Krishna Swami, O. R. (2000) Research Methodology in Social Sciences, Delhi, Himalaya Publications.
15. Kumar, Renjith (2009) Research Methodology: A Step by Step Guide for Research, Delhi, Pearson Education.
16. Kumar, Shekaran (2009) Research Methodology for Business : A Skill Based Approach, New York, John Wiley Publishers
17. आगलावे प्रदिप, (2007) 'सामाजिक संशोधन पध्दती', नागपूर, श्री साईनाथ प्रकाशन
18. आहुजा राम (2008) 'सामाजिक सर्वेक्षण एवं अनुसंधान', जयपूर, रावत पब्लिकेशन.

**List of Faculty (For the Short Term Course):-**

Sr. No.	Name of the faculty	Subject	Designation	College Address	Phone No.
1.	Dr. C. B. Masram	Chemistry	Principal & Ph. D. Supervisor	S. N. Mor Arts, Commerce & Smt. G. D. Saraf Science College, Tumsar Dist. Bhandara.	9422113067
2.	Dr. R. J. Bhagat	Sociology	Associate Professor, Head & Ph. D. Supervisor	S. N. Mor Arts, Commerce & Smt. G. D. Saraf Science College, Tumsar Dist. Bhandara.	9420359657
3.	Dr. M. T. Lambat	Commerce	Associate Professor & Head, Ph. D. Supervisor	S. N. Mor Arts, Commerce & Smt. G. D. Saraf Science College, Tumsar Dist. Bhandara.	9890111130
4.	Dr. P. P. Dehliwal	Commerce	Associate Professor & Ph. D. Supervisor	S. N. Mor Arts, Commerce & Smt. G. D. Saraf Science College, Tumsar Dist. Bhandara.	9423416245
5.	Dr. K. N. Sathawane	Botany	Associate Professor & Head, Ph. D. Supervisor	S. N. Mor Arts, Commerce & Smt. G. D. Saraf Science College, Tumsar Dist. Bhandara.	9421709879
6.	Dr. M. F. Jadhao	Zoology	Assistant Professor & Ph. D. Supervisor	S. N. Mor Arts, Commerce & Smt. G. D. Saraf Science College, Tumsar Dist. Bhandara.	9403617061
7.	Dr. Dipak Pawar	Sociology	Associate Professor & Head, Ph. D. Supervisor	Women's College, Nandanvan, Nagpur.	8983314465
8.	Dr. Dr. R. K. Dipte	English	Assistant Professor & Ph. D. Supervisor	S. N. Mor Arts, Commerce & Smt. G. D. Saraf Science College, Tumsar Dist. Bhandara.	9423414879
9.	Dr. N. I. Borkar	Sociology	Assistant Professor, Department of Sociology	Arts & Commerce Degree College, Petrolpump, Jawaharnagar, Bhandara	9421240963

10.	Dr. P. K. Meshram	Sociology	Associate Professor, Head, & Ph. D. Supervisor	J. M. Patel College, Bhandara	9372640165
11.	Dr. Anil Nitnaware	Marathi	Associate Professor & Ph. D. Supervisor	M. B. Patel College, Sakoli Dist. Bhandara	9850555049
12.	Dr. Devendra Bisen	Geography	Principal & Ph. D. Supervisor	M. B. Patel College, Deori, Dist. Gondia.	9422131440
13.	Dr. Rajashree Dahmorikar	Geography	Associate Professor, Head & Ph. D. Supervisor	S. S. Girls College, Gondia.	9423383836
14.	Dr. Chandramani Gajbhiye	Library Science	Librarian	M. B. Patel College, Deori Dist. Gondia	9403593809
15.	Dr. Surendra Pawar	Sociology	Associate Professor & Head, Ph. D. Supervisor	N. J. Patel College, Mohadi Dist. Bhandara	9423515758
16.	Dr. Ajay Mohbansi	Sociology	Principal, Head, & Ph. D. Supervisor	Arts & Commerce Degree College, Petrolpump, Jawaharnagar, Bhandara	9422834230
17.	Dr. D. D. Kapse	History	Associate Professor, Head, & Ph. D. Supervisor	Samarth College, Lakhani Dist. Bhandara	9421808525
18.	Dr. Dhananjay Gabhane	Library Science	Librarian	Samarth College, Lakhani Dist. Bhandara.	9423640251
19.	Shri. S. B. Kanholkar	Library Science	Librarian	S. N. Mor Arts, Commerce & Smt. G. D. Saraf Science College, Tumsar Dist. Bhandara.	9423384371