



AY 2020 Onwards

Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE (AUTONOMOUS)

(Also known as R. J. College of Arts, Science & Commerce as per UGC Notification)

Affiliated to UNIVERSITY OF MUMBAI II Recognized by UGC under 2f & 12B
NAAC Accredited 'A GRADE' with CGPA 3.50

Knowledge is all Ambrosia

CERTIFICATE
COURSE IN

RESEARCH
METHODOLOGY
AND
QUANTITATIVE
TECHNIQUE

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Mumbai 400 086, Maharashtra, INDIA.



ABOUT US

Hindi Vidya Prachar Samiti was incepted on the auspicious day of Shri Krishna Janmashtami, 15th August 1938. A brain child of a visionary Late Shri Nandkishore Singh Jairamji, samiti was established with the objectives of catering to the educational needs of the Hindi speaking community. Ramniranjan Jhunjhunwala College came into existence in 1963, enabling a larger section of the society to take advantage of the facilities provided for higher education.

From 1999-2000 the College has added a number of self-financing courses like B.M.S., B.B.I., B.Sc. in Computer Science, Information Technology, Biotechnology, M.Sc. in Computer Science, Biotechnology and Information Technology as well as add on courses, which further hone the special skills of the students.

The college has been reaccredited with 'A' Grade by NAAC in 2014 with a CGPA 3.50 and received the Best College Award (2007-2008) of the University of Mumbai. The College has been bestowed with IMC "Ramkrishna Bajaj Performance Excellence Trophy", 2010.

The Principal of the college was awarded "Best Teacher" by Government of Maharashtra in 2011.

Government of Maharashtra conferred the college with "JAAGAR JAANIVANCHA" (First in Mumbai Suburban- in 2013 and Second in Mumbai Suburban- in 2014) for safety of girls.

Course Code: **RJECOC01**

Duration: **30** hours

Credits : **02**

LEARNING OUTCOME

After completion of the course, the participants

- Would be able to identify research problems;
- Could conduct surveys for data collection;
- Would be well equipped with the knowledge of excel in data processing and analysis;
- Proficiently write the research report and
- Effectively present the research outcomes by using Power Point Presentation Techniques



COURSE CONTENT

Unit I	Introduction to research process: Meaning of research – Objectives of research - Importance of research - Steps in the process of research - Defining the research problem - Problems encountered during research process.
Unit II	Sources of data: Primary and Secondary: Primary data: Sources of primary data - Questionnaire –characteristics of a good questionnaire - Technique of preparing a questionnaire; Training in making a google form for online survey through questionnaire method Secondary data: Sources of secondary data - Use of internet as a source of secondary data, making the students familiar to various authentic websites, portals, etc.
Unit III	Data analysis: Extracting the data from sources - Coding, classification and tabulation of the data - Data analysis (Use of basic Excel in data analysis)
Unit IV	Hypothesis testing: Meaning of Hypothesis - Formulation of hypothesis - Null and alternate Hypothesis, testing of hypothesis - Use of Various Tests
Unit V	Writing a research report: Meaning - Types of research report - Format of research report - Case studies - Class Assignment on the topic of research report writing.
Unit VI	Presentation of the research results: Use of power point presentation - Do's and Don'ts of the presentation - Developing presentation skills - Class Assignment on the topic given.

English

MEDIUM OF INSTRUCTION

EVALUATION

Continuous evaluation, Multiple types of assignments.

100 MARKS



PASSING 40

WHO SHOULD DO

Students interested in research and willing to acquire proficiency in data processing and presentations with the Micro Soft Excel and PowerPoint Presentation.

IT?