



ONE WEEK SHORT TERM COURSE ON RESEARCH METHODOLOGY (STCRM-2017)



Course Dates:

17TH -22TH October

Organized by

**Parala Maharaja
Engineering College**
(A constituent College of BPUT,
Odisha)

Berhampur, Odisha

Website

www.pmec.ac.in

Organizing Committee

Patron

Shri. Sanjay Kumar Singh, IAS
Vice-Chancellor ,BPUT,Odisha

Chief Adviser

Prof. Ranjan Kumar Swain
Principal,
PMEC,Berhampur,Odisha.

Course Coordinator

Dr. Jnanaranjan Mohanty

Organizing Committee

Mr.Sandeep Bhoi
Mr. Jagadish Mallick
Mr. Bholanath Singh

About the Institution

Parala Maharaja Engineering College(PMEC), Odisha, the fast growing Government Engineering College is situated at Berhampur, the age old city of southern Odisha famous for its traditional culture, education and business. Established in the year 2009, PMEC, Odisha spreads over a lively campus of 80 acres of land and is credited of being one among the four constituent engineering colleges of Biju Patnaik University of Technology (BPUT), Odisha. This college also enlisted under section 2(f) & 12 (b) of UGC and accredited by NAAC. The college is well connected by road & rail and takes almost equal travel time from Biju Patnaik International Air Port,Bhubaneswar and Visakhapatnam International Airport, Vizag.The geographical location allows PMEC creating growth opportunities in form of Industry - Institute interaction and potential for research & consultancy.

In just a span of seven years, PMEC- Odisha has made its present felt by attracting quality students from different parts of the state. At present there are around 2,200 students pursuing B.Tech & M.Tech in 9 different branches and 5 specializations respectively.

Overview of the Course

Keeping in perspective the need for original quality research and utilizing modern statistical tools for handling research data in most efficient manner the proposed course aims to provide the resources and know-how for the benefit of the students pursuing research. The course will not only deal with the problems of the non clarity of the research methodology but also other research related problems which the research scholars confront during their research work. The questions like how to

Course Advisors

Dr. Trilochan Rout

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Mr Dudrodhana Behera

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Dr. Satrujit Mishra

Dr. Sudarshan Sahoo

Dr. Subhashree Panda

Dr. Puspanjali Mishra

Mr. Aditya Kumar Patra

Dr. Chitrasen Samantr

Dr. Balaji Kumar Choudhury

Resource Persons

The resource persons from different parts of country representing the premier institutions will deliver the expertise in the short term course .

develop the framework of research? Which methodology to follow? Which category of data will be most suitable for the study? Which tool should be used for data collection? ; What could be the right sample size? , how to analyze the data? , which statistical tool should be used for analyzing the data? , which statistical software is suitable for applying the statistical tool for research, how SPS could help in analyzing the data and testing the framed hypothesis? , how the research work of other researchers could be quoted without plagiarism, what are the different referencing styles which could be followed and how these could be utilized and presented in thesis etc are faced by the researcher during his/her research work. The present course is an attempt to provide answers for these queries of the scholars and make their research more scientific, need based and genuine. SPS like software has become very popular among the researchers but apart from handling it is very important that right data should be put through right application for obtaining good results. The proposed course will not only acquaint the scholars with the use of the SPS but also on the right handling of the software as per their collected data. This Course will also guide the scholars to conduct a micro level study and come up with suitable results with the use of research tools and use of SPS. In this back drop the present course is designed to make the researchers, scientists, students aware about different dimensions of research methodology.

Objectives of the Course

- To acquaint the research scholars with the basics of research methodology.
- To expose the students towards the new trends of research.
- To acquaint research scholars with appropriate selection of statistical tools for different types of data and methods and tools of valid and relevant data collection.
- To train the participants on the use of statistical techniques in data analysis in the field of social sciences.
- To provide hands on training for the use of Excel and SPS.
- To assist research scholars in understanding the various stages of research process.

Pedagogy of the Course

1. Lecture Method
2. Field-based case study
3. Micro-level study , reviews.
4. Hands-on experience

Important dates

Last date of receipt of
application:

14th October 2017

Selection to be
communicated:

15th October 2017

Course dates:

17th -22th October 2017

Venue of the Course:

Parala Maharaja Engineering
College, Sitalapali Berhampur,
Odisha

For detail Contact

Dr. Jnanaranjan Mohanty
Course Coordinator
(STCIPR-2017)

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- To give each and every participant a practical experience of conducting research and to undergo data analysis on the same to come up with appropriate results.
- Procedure of writing a research report and research paper, publishing research paper, plagiarism and selecting journals.

Eligibility

Student (PG and Ph. D) / Researchers from R&D organization or Industries / Faculties from UGC/AICTE recognized Universities/Institutes.

Intake

The maximum intake for the Course shall be 40 (10 for out station and 30 for local). Those who have attended any such type of program during the last one year should not apply. Leave is not allowed during the course period. Selection of participants for the course will be on the basis of their write-up in 250 words and CV.

. Registration Fee and Accommodation

P.G./Ph.D student - Rs1000/

Faculties from UGC/AICTE recognized Universities/Institutes - Rs2000/

Researchers from R&D organization or Industries-Rs4000/

Limited accommodation is available for outstation participants with extra payment

Application Procedure

Interested candidates may apply to Course Coordinator along with **duly filled registration form and a write-up on their PhD/research area in 250 words on or before 14th October 2017.**

Registration form is enclosed with the brochure. Registration form can also be downloaded from the college website www.pmec.ac.in The candidates are required to send the registration form to Course Coordinator in soft copy duly forwarded by their Ph.D. supervisor/Head of the affiliating organization with following enclosures:

1. Duly filled in prescribed Registration Form.
2. A write-up in on your PhD / research area in 250 words.
3. Brief CV of the applicant.
4. Ph.D. registration/supportive documents.

Brief Summary of the Course

Module I

Introduction to RM: Meaning and significance of research. Importance of scientific research in decision making. Types of research and research process. Identification of research problem and formulation of hypothesis. Research Designs.

Module II

Measurement and Data Collection. Primary data, Secondary data, Design of questionnaire ; Sampling fundamentals and sample designs. Measurement and Scaling Techniques, Data Processing

Module III

Data Analysis – I: Hypothesis testing; Z-test, t-test, F-test, Chi-square test. Analysis of variance. Non-parametric Test – Sign Test, Run test, Krushall – Wallis test

Module IV

Data Analysis – II: Factor analysis, Multiple Regressions Analysis. Discriminant Analysis, Use of SPS Package

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Parala Maharaja Engineering College, Sitalapali, Berhampur, Odisha-761003

REGISTRATION FORM

1.	Program Name with code	Short Term Course on Research Methodology (STCRM-2017)
2.	Duration of the Course	17 th -22 nd ,October 2017
3.	Name	
4.	Gender	
5.	Category	SC/ST/Gen
6.	Specify your Master degree (subject/branch)	
7.	PhD Registration Number with date	
8.	Title of your PhD Topic	
9.	University/College	
10.	Address for Communication with E- mail Id & Mobile Number	
11.	Have you attended any course earlier on the same title (Specify the date)	
12.	Write-up on your PhD work in 250 words attached (Yes / No)	
13.	Accommodation needed (Yes / No)	
13.	Fess details	
14.	Any Other relevant Information which will help us for the selection of your candidature	

The above information filled by me is true to the best of my knowledge and belief.

Signature of Participant

Signature of

Head of the Institution/Supervisor

Please mail duly completed form with all documents to

Dr Jnanaranjan Mohanty
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