NAAC A++

ONE WEEK FACULTY DEVELOPMENT PROGRAM

CONTEMPORARY APPROACHES TO RESEARCH & DATA ANALYSIS

30TH NOVEMBER TO 6TH DECEMBER 2026

MODE: OFFLINE



SPONSORED BY

MERU UNDER PM- USHA

ORGANISED BY

DEPARTMENT OF BUSINESS ADMINISTRATION

RAVENSHAW UNIVERSITY, KATAKA

OUR MENTORS



DR . ARKA KUMAR DAS MOHAPATRA
Honourable Vice Chancellor,
Ravenshaw University



DR . DHARMABRATA MOHAPATRA
Chairperson of Post Graduate Council,
Ravenshaw University



DR . PATITA PABANA DAS
Nodal Officer, PM- Usha Cell,
Ravenshaw University



DR . SOUMENDRA KUMAR PATRA
Coordinator, Department of Business Administration,
Ravenshaw University

DETAILS OF THE PROGRAMME

ABOUT THE PROGRAM

A seven-day Faculty Development Program designed to strengthen participants' research competencies through contemporary approaches to research, research design, quantitative data analysis, statistical software applications, literature review, scholarly writing and research ethics. The program combines conceptual sessions with hands-on practice in data preparation and analysis.

PROGRAM OBJECTIVES

- To strengthen understanding of the research process, research design, sampling and hypothesis testing.
- To build practical skills in data preparation, analysis, interpretation and visual presentation using Excel and SPSS.
- To introduce factor analysis, regression, ANOVA, cluster analysis, discriminant analysis, MDS, SEM and PLS-SEM.
- To develop competencies in questionnaire and scale development and systematic literature reviews.
- To enhance research writing, publication readiness, academic integrity and research ethics.

WHO SHOULD PARTICIPATE?

Faculty members, early-career teachers, research scholars and students interested in strengthening research and data-analysis skills. The proposal anticipates approximately 30 participants.

KEY THEMATIC AREAS

Reasearch Foundation	Research process, use of AI in research, research design, sampling and sample-size determination.
Data preparation & Visualization	Descriptive statistics, data coding and editing, data transformation, Excel/SPSS, charts and pivot tables.
Statistical Testing	Hypothesis testing, parametric and non-parametric tests, Z-test, independent and paired t-tests, ANOVA.
Multivariate Analysis	Exploratory and confirmatory factor analysis, correlation, regression, cluster analysis, discriminant analysis and MDS.
Advanced Modelling	Structural Equation Modelling (SEM) and Partial Least Squares SEM (PLS-SEM)
Literature & Scholarly Communication	Systematic literature review, use of Scopus/EBSCO and other databases, research article and proposal writing, references, plagiarism and publication ethics.
Reasearch Instruments	Measurement scales, questionnaire design, survey methods, scale development and hands-on exercise

TENTATIVE PROGRAM SCHEDULE

DAY 1 | MON, 30th NOV	Inauguration; fundamentals of research and research process; use of AI in research; descriptive statistics and data visualisation; SPSS installation and data-sheet preparation.
DAY 2 | TUE, 1st DEC	Introduction to Excel and SPSS; research design, sampling and sample-size determination; data editing, preparation and transformation; pivot tables, models and charts.
DAY 3 | WED, 2nd DEC	Parametric and non-parametric hypothesis tests;measurement scales and questionnaire design; online surveys; factor analysis.
DAY 4 | THU, 3rd DEC	Hands-on exploratory and confirmatory factor analysis; correlation and regression with SPSS; Z-test and independent/paired t-tests.
DAY 5 | FRI, 4th DEC	Hands-on t-test and ANOVA using SPSS; cluster analysis; discriminant analysis and multidimensional scaling (MDS).
DAY 6 | SAT, 5th DEC	Structural Equation Modelling (SEM); PLS-SEM; scientific method; systematic literature review; use of Scopus, EBSCO and review software.
DAY 7 | SUN, 6th DEC	Hands-on scale development and questionnaire design; research article and proposal writing; paper structure, references, plagiarism and publication ethics; feedback and valedictory session with certificate distribution

ABOUT US

ABOUT THE UNIVERSITY

Ravenshaw University, located in Kataka, Odisha, is one of the oldest and most prestigious institutions of higher education in India. Founded in 1868 as a high school class and later elevated to Ravenshaw College in 1876, it was transformed into a full-fledged state university on November 15, 2006. Spread across a historic red-brick campus featuring a blend of Victorian, and Indian architecture, the university offers undergraduate, postgraduate, and doctoral programs across multiple disciplines including Arts, Science, Commerce, and Management. Approved by the UGC and accredited by the NAAC A++ grade, it enrolls around 8,000 students and remains deeply intertwined with the cultural and academic history of modern Odisha.

ABOUT THE DEPARTMENT OF BUSINESS ADMINISTRATION

The Department of Business Administration was established in 2008 with a vision to be a leading University based Department of research and academic excellence. The Department works with missionary zeal to develop professional expertise and leadership skills and is committed to empowering its faculty and students to contribute meaningfully towards the nation's socio-economic development and progress. The Department offers three years Bachelor's Degree in Business Administration (BBA) and two year full time Master's in Business Administration (MBA) Degree. All these courses have been tailor-made, keeping in mind industry needs.

ABOUT US

GLIMPSES OF THE CAMPUS



Front Lawn



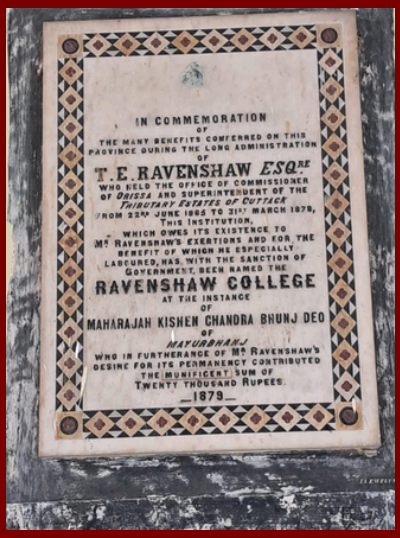
Sun Dial Inscription



The Hero Stone



Raja Rajendra Narayan Bhanja Deo
(Raja of Kanika)



Commemorative Tablet



Back Lawn



Kanika Library



Back Lawn

ORGANISING COMMITTEE

PROGRAM DIRECTOR



Dr . Shradhanjali Panda
Department of Business Administration,
Ravenshaw University

ORGANISING COMMITTEE

Dr. Ashok Kumar Dash
Dr. Biswaroop Singh
Dr. Biswaranjan Mishra
Dr. Swayambhu Kalyan Mishra
Dr. Leena Priyadarshini Singh

Dr. Punyasloka Rath
Ms. Anuradha Dash
Ms. Arunita Padhi
Mr. Susanta Kumar Mishra



REGISTRATION

There's no registration fee for attending the Faculty Development Programme (FDP). Interested candidates can fill out the registration form attached with the brochure. Selection process would be based on first come first serve basis.

Click here on the link to register:

REGISTRATION LINK.

N.B.

No TA/DA will be provided to the participants. However, a working lunch will be arranged during the programme. Limited seats are available.

CONTACT US FOR ANY FURTHER QUERIES:

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Dr. Shradhanjali Panda
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RAVENSHAW UNIVERSITY, KATAKA

DEPARTMENT OF BUSINESS ADMINISTRATION

One Week Faculty Development Programme on

Contemporary Research Methodology and Data Analysis

From30th November-6th December'2026

Sponsored by MERU under PM-USHA

Organised by

Department of Business Administration, Ravenshaw University, Kataka, Odisha

REGISTRATION FORM

1. Name : _____
2. Designation: _____
3. Department / Subject: _____
4. Name of Institution with Address / University / College:

   _____

   _____
5. Gender: □ Male □ Female □ Other
6. Contact Number: _____
7. WhatsApp Number: _____
8. Email ID: _____
9. Highest Educational Qualification:

   □ Master's Degree □ M.Phil. □ Ph.D. □ Other: _____
10. Area of Specialisation / Research Interest: _____
11. Teaching / Research Experience:

    □ Below 2 years □ 2–5 years □ 6–10 years □ Above 10 years
12. Current Research Status:

    □ Pursuing Ph.D.

    □ Postdoctoral Research

    □ Faculty Research / Research Project

    □ No ongoing research project

    □ Other: _____
13. Have you previously attended a programme on Research Methodology?

    □ Yes □ No
14. Software currently used (tick all applicable):

    □ SPSS □SmartPLS □ AMOS □ R □ Python

    □ Excel □ NVivo □ Other: □ None
15. Briefly state your expectations from the programme:

    _____

    _____

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Declaration Form

PHOTO

1. Name:
2. Designation:
3. Department / Subject:
4. Name of Institution with Address / University / College:

_____

_____

Declaration: I hereby undertake that all theinformation given by me is correct to the best of my knowledge and belief and nothing hasbeen concealed thereof. If any information is found incorrect, I shall be solely responsiblefor the same and my candidature for the course shall stand cancelled. I agree to abide bythe rules and guidelines prescribed by the organisers of the programme.

Signature of the Applicant (With Date) **Signature of the Head/Dean/Principal**

_____

For Office Use Only

Registration No.: _____

Application Received On: _____

Registration Status: □ Accepted □ Waitlisted □ Not Accepted

Authorised Signature: _____