

Faculty Development Programme

Workshop on

“Enhancing quality of research instrument – Made Easy”

19th April,2022 to 20th April,2022

Organized by

**College of Nursing, AIIMS,
Bhubaneswar**

Schedule

Date: 19.04.2022

| Time | Topic | Resource Person |
|------------------------|--|---|
| 9.30 a.m – 10.15 a.m | Measurement in Research- Concepts, Types and errors | <i>Dr. Prof. Ramakanta Mohalik, Professor, Department of Education, Regional Institute of Education, (A constituent unit of NCERT) Bhubaneswar.</i> |
| 10.15 a.m – 11.15 am | Standardized Vs Non-standardized tests | |
| 11.15 a.m to 11.30 a.m | Break | |
| 11.30 a.m to 1.00 p.m | Practical session | |
| 2.00 p.m to 2.45 pm | <p>Reliability –Basic concepts and types.</p> <p>Test-retest reliability and Parallel form reliability:</p> <ul style="list-style-type: none"> ❖ What it is? ❖ When do we need to apply? – conditions & criteria ❖ How to do? – Procedure ❖ How to interpret ? | <i>Prof. Bhujendra Nath Panda, Professor of Education, and Dean (Research), Regional Institute of Education, (A constituent unit of NCERT) Bhubaneswar.</i> |
| 2.45 p.m – 3.30 p.m | <p>Internal Consistency</p> <p>Split-half methods Cronbech’s Alpha KR-20 Guttman methods</p> <ul style="list-style-type: none"> ❖ What it is? ❖ When do we need to apply? – conditions & criteria ❖ How to do? – Procedure ❖ How to interpret? | <i>Prof. Bhujendra Nath Panda, Professor of Education, and Dean (Research), Regional Institute of Education, (A constituent unit of NCERT) Bhubaneswar.</i> |
| 3.30 pm to 4.00 pm | <p>Interrater reliability</p> <p>Kappa agreement – Cohen’s Kappa, weighted Kappa and Fleiss Kappa.</p> <p>Intra class correlation</p> | <i>Prof. Bhujendra Nath Panda, Professor of Education, and Dean (Research), Regional Institute of Education, (A constituent unit of NCERT) Bhubaneswar.</i> |
| 4.00 -5.00 pm | Practical session | |

Date: 20.04.2022

| Time | Topic | Resource Person |
|------------------------|--|--|
| 9.30 a.m – 10.15 a.m | Item analysis : A step by step approach | <i>Prof. Laxmidhar Behera,</i> Professor of Education, Head of Department of Extension Education, |
| 10.15 a.m – 11.15 am | Norms, Standardization and Cut-off Score: Types, and Procedures | Regional Institute of Education, (A constituent unit of NCERT) Bhubaneswar. |
| 11.15 a.m to 11.30 a.m | Break | |
| 11.30 a.m to 1.00 p.m | Practical session | |
| 2.00 p.m to 3.00 pm | Validity –Basic concepts and types. Face validity, Content validity, Criterion validity ❖ What it is? ❖ When do we need to apply? – conditions & criteria ❖ How to do? – Procedure ❖ How to interpret ? | <i>Prof. Hrushikesh Senapaty,</i> Professor of Education, Regional Institute of Education, (A constituent unit of NCERT) Bhubaneswar. |
| 3.00 p.m – 4.00 p.m | Construct validity: Known group analysis Factor analysis MTMM ❖ What it is? ❖ When do we need to apply? – conditions & criteria ❖ How to do? – Procedure ❖ How to interpret ? | <i>Prof. Hrushikesh Senapaty,</i> Professor of Education, Regional Institute of Education, (A constituent unit of NCERT) Bhubaneswar. |
| 4.00 -5.00 pm | Practical session | |

Organizing Committee

Organizing Chairperson

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