क्षेत्रीय शिक्षा संस्थान
REGIONAL INSTITUTE OF EDUCATION
(राष्ट्रीय शैक्षिक अनुसंधान और प्रशिक्षण परिषद्)
(National Council of Educational Research and Training)
मानसगंगोत्री, मैसूरु - 570006.
Manasagangotri, Mysuru - 570006.
Email: iucte@riemysore.ac.in

अन्तर विश्वविद्यालय शिक्षक शिक्षा केंद्र
INTER UNIVERSITY CENTRE FOR TEACHER EDUCATION

Phone / फोन : 0821 241 1212
E-mail / ई-मेल : contactiucte@gmail.com

The Ministry of Human Resource Development has accorded the establishment of *Inter University Centre for Teachers Education* [IUCTE] under the scheme of *Pandit Madan Mohan Malviya National Mission on Teachers and Teaching* [PMMMNMTT] to the Regional Institute of Education, Mysuru. Since January 2018. The objective of this scheme is to give a new impetus to and focus on practices and issues related to teachers, teaching, teacher preparation, and professional development, curriculum design, designing and developing assessment and evaluation methodology, research in pedagogy and developing effective pedagogy. As a centre, it could help in creating a platform for the convergence of information related to different activities conducted by various centers of Schools of Education of Central Universities and dissemination of IUCTE activities. Advanced research and publication in areas related to teachers, teaching, and learning would be given a strong impetus. The other various activities of the Centre would include the establishment of an Educational Studio for the production of educational videos on innovations and best practices, development of modules for students in courses of Elementary and Secondary Teacher Education and establishment of virtual classrooms. The focus will also be on conducting capacity- building programs, seminars, conferences and workshops at the national and international level for quality enhancement.

<div align="center">

VISION

To ensure quality in Teacher Education by creating a sustainable platform for
INNOVATION, COLLABORATION,** and **DISSEMINATION
of ideas and practice.

</div>

MISSION

As a center of academic excellence, we aim to

❖ Enhance our position as the countries leading research and professional development centre for teacher education with the highest international standards.

❖ Provide the highest quality learning environment for the pre-service and in-service teachers and teacher educators and educational administrators to emerge as the next generation educational leaders with highest personal and professional standards.

❖ Establish partnerships with teacher education institutions locally, nationally, and globally with the goal to leverage expertise and resources to promote innovation, equality of opportunity, and social development in diverse communities.

Aims & Objectives of the IUCTE

To bring about convergence among the various activities carried out by the different Centres located within the Schools of Education in Central Universities.

a. To play a vital role in offering the best expertise in the field of teacher education to practitioners and researchers across the country.

b. To promote national and international cooperation in teachers' education.

c. To redesign teacher education curricula for secondary and elementary teacher education, developing curriculum materials, both offline and online, including commissioning of materials in regional languages through the specific state-based institutions such as SCERTs.

d. To provide common advanced centralized facilities/services for universities which may not be available within individual stand-alone institutions.

e. To publish advanced research studies relating to teachers' education for purposes of advancement of capacities to teach and learn among professional teachers.

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ABOUT THE CHAIRMAN

Prof. Yagnamurthy Sreekanth, is the (Project Coordinator) Chairman, IUCTE & Principal, RIE - Mysuru. He is a Post-graduate in Geography and Education, a graduate in Law, and Ph.D., in Geography; also a Professor in Education (Assessment Studies) at NCERT since 16th September 2013. Prior to this, he had served as faculty in the Department of Educational Measurement and Evaluation, Curriculum Group and Department of Secondary Education, NCERT. He served as Associate Professor in the Department of Educational Management Information System, National University of Educational Planning and Administration (NUEPA) and as Professor and In-Charge, National Talent Search Scheme at NCERT.

ABOUT THE CENTRE DIRECTOR

Prof. M. S. Talawar, Centre Director, IUCTE. He is former Chairman, Dept. of education, Member Academic Council. And syndicate, Director UGC Academic staff college; and Registrar evaluation, Bangalore University. He has 37 years of academic and administrative experience, guided 23 Ph.D. scholars successfully, published more than a hundred concept and research papers published in national and international level. Prof. M.S. Talawar has been awarded Best Teachers' educator by Indian Council of Teacher Educators (ICTE). He is specialized in Sociology of Education and Teacher Education.

अन्तर विश्वविद्यालय शिक्षक शिक्षा केंद्र
INTER UNIVERSITY CENTRE FOR TEACHER EDUCATION

Dated: 27.08.2019

The Inter University Centre for Teacher Education, Regional Institute of Education(NCERT), is working for quality improvement of teacher education, innovative programmes on teacher education through its meaningful programmes and activities ever since of its existence. Now it proposes to extend financial support for selected research proposals received from institutions of teacher education and higher education, post graduate dept. of education, recognised and registered NGOs working for cause of education, research centres of education, and individuals working in institutions said above. Research proposals shall also be considered from faculty working in Colleges of Education, IASE, CTEs, SCERTs, and DIETs. The aspirants can go through APPENDIX I, II, and III thoroughly and prepare the proposals in strict sense of these appendices. Research Proposals shall be submitted through the head of the institution, so as to reach us on or before 30th September 2019. The proposals received after the last date will be rejected.

Also, Research proposals need to be mailed to projectiucte@gmail.com, besides three hardcopies of detailed proposal should be sent to the following address

To

The Centre Director,
Inter University Centre for Teacher Education,
Regional Institute of Education (NCERT),
Manasagangotri Post, Mysuru - 570006.

IDENTIFICATION OF UNEXPLORED AREAS OF RESOURCE IN TEACHER EDUCATION

Instructional Designs for implementation-Approaches /Models /programmes /Practices

- Effectiveness of Information Processing Approach / Model

- Effectiveness of 5E Learning Cycle Model

- Designing e-Teacher Education Smart Classrooms for e-Learning and Testing through Online Learning, Twitters, Facebook, Semantic Web Involving Digital Lesson Designs, E-Portfolio, Webinar, e-Content, e-Book, e-Pathshala, etc.

- Development of Instructional Material Based on Constructivist Approach for Teacher Trainees in OD Learning

- Effectiveness of SWAYAM (Study Web of Active Learning for Young Aspiring Minds) in Reaching Prospective Teachers under Massive Open Online Courses (MOOCs)

- Effectiveness of Self-instructional Modules for B.Ed. Teacher Trainees in Enhancing Professional Skills Studying in Open / Distance Mode

- Effectiveness of Computer-based Modules for Teaching of Professional Skills among Teacher Trainees

- School as a Laboratory for B.Ed. Trainees

- Developing Web-based Meaningful Engaged Learning Strategy for Teacher Trainees

- Brain-based Learning as a Tool for Inculcation of Professional Skills

- A Study of Linguistic and Articulation Skills among Teacher Trainees

- Developing Web-based Meaningful Engaged Learning Strategy for Teacher Trainees

- Development of Programme to Enhance the Effectiveness of Colleges of Education

PHILOSOPHICAL BASIS

Philosophical and Educational Views of:

- Amartya Sen,

- Malala Yousafzai,

- Aung San Suu Kyi,

- Martin Luther King Jr.,

- Paulo Freire,

- Maya Angelou,

- Desmond Tutu,

- Booker T. Washington,

- Franklin D. Roosevelt,

- George Wilhelm

- Friedrich Hegel,

- Abigail Adams

SOCIOLOGICAL & PSYCHOLOGICAL BASES

- Protection, Preservation and Promotion of Indigenous Knowledge among Scheduled Tribes: Issues, Challenges and Strategies.

- Curriculum Transaction in Tribal Schools

- Curriculum Transaction Through Tribal Dialects: Field Experiences

- Mother Tongue Education for Tribal Children

- Bilingual Education in Tribal Schools

- A Sociological Study of Status, Role and Problems of Principals / Teacher Educators / Teacher Trainees Serving in B.Ed. Colleges

- Organizational Climate Culture of Teacher Education College

- Professional Commitment of Teacher Educators

- Job Involvement of Teacher Educators

- Studying Motivation to Work and Job Satisfaction of Teacher Educators in Government / Private Aided / Private Unaided Colleges

- Educational Perceptions and Professional Attitude of Teacher–Trainees

- "Conflict Management" Styles of Principals of College of Education "Leadership Behavior" of Principals

- A Study of Academic Stress /Adjustment Styles of Teacher Trainees in College of Education

- Occupational Stress among the Teacher Educators Serving in ITEP

- Social, Emotional and Educational Problems of Teacher Trainees

RESEARCH PROJECT TITLES

Programme of Action (POA) for Implementation

- ITEP – Programme of Action (POA)

- Operationalizing the Scheme of ITEP Arts Stream

- Operationalizing the Scheme of ITEP Science Stream

- An Analysis of Parents' Attitude towards ITEP

- Modus Operandi of Three Year B.Ed., and M.Ed., Programme for Implementation

- Studying Functioning of B.Ed. Colleges using Systems Analysis

- A Critical Study of School Internship Programme in B.Ed. Programme as per NCTE Regulations, 2014

- An Explorative Study of Use of ICT in Colleges of Education

- Implementation of Continuous and Comprehensive Evaluation in Colleges of Education.

- Spoken Tutorial Project – "Talk to a Teacher" funded by National Mission on Education through ICT, MHRD, Govt. of India (www.spoken-tutorial.org)

- Global Initiative of Academic Network (GIAN) (UGC – MHRD Project)

- Hyderabad-Karnataka Region Development Board, Gulbarga (An Evaluation of Educational Research Projects Undertaken by the Board)

- Global Initiative of Academic Network (GIAN) (UGC – MHRD Project)

- Scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) (Launched – 16th June 2015 UGC Scheme)

- Role of NCTE/NCERT/UGC/State Governments in Managing Colleges of Education

- An Evaluative Study of Lab Area Approach by DIETs in Achieving the Target of UEE

- Implementation of Samagra Shiksha Abhiyan (SSA) : Integrated Scheme for School Education in India

- Use of ICT Aided Constructivist Approach in Preparation of Teachers at Primary / Secondary Level

- Perception of Educational Technology Multimedia Technique / Instruction by Teacher Educators in Relation to their Teaching Profession

- Construction and Validation of a Set of Tools to Evaluate the Functioning of Teacher Education Colleges

- A Critical Study of In-service Training of the Teaches of Elementary Schools at BRCs and CRCs

- A Comparative Study of Teacher Education Curriculum Practised in Various Universities in Karnataka / Southern Region

- Innovative Practices in Teaching and Learning Processes followed in Teacher Education Institutions : A Survey

- Research, Development and Innovative Activities in CTE and IASE

- Status of Training of Art, Craft and Music Teachers in TEIs

- A Survey of Innovative Practices in Preparation of Educational Personnel

- Exchange Programs between School Teachers and Teacher Education Faculty

- A Study of Relevance of Integrated Courses in Teacher Education in the Present Context

- Studying the Managerial Skills of Principals of B.Ed. Colleges

LANGUAGE ASPECTS OF RESEARCH

Language: a socio-cultural perspectives of tribal communities

1. Linguistic Reorganization of States: A boon or bane ?
2. Documentation and Archiving of Languages of Adivasi Communities: Issues and Concerns
3. Ecology and Endangerment of Language among Tribal Communities: A Study
4. Revitalization of Language and Language Shift among Adivasis

5. Importance of Indigenous Languages and Making of Dictionary in Tribal Languages
6. Indigenous Languages and Orthography Development : A Study of Tribal Communities
7. Government Policies towards Preservation and Protection of Tribal Languages
8. Indigenous Languages and Indigenous Knowledge Practices among Tribal Communities
9. Indigenous Languages and Tribal Culture
10. Orality, Translation and Protection of Indigenous Languages
11. Languages, Culture and Identity: A Study of Nomadic Tribes
12. Protection, Preservation and Promotion of Indigenous Knowledge among Scheduled Tribes: Issues, Challenges and Strategies
13. Indigenous Languages and Linguistic Rights
14. Linguistic Diversity and National Integration in India

Language: Educational Needs of Tribal Communities

1. Primitive Tribal Communities and their Languages
2. Khond and Savara Languages : A Historical Perspective
3. Endangerment of Language among the Yerukula (A Nomadic Denotified Tribe)
4. Tribal Languages and Tribal Education: Present Scenario
5. Education through Tribal Languages: Issues, Challenges and prospects
6. Constitutional Provisions with regard to Tribal Languages
7. Curriculum Transaction in Tribal Schools
8. Tribal Languages: Policies and Recommendations suggested by Education Commissions
9. Curriculum transaction Through Tribal Dialects: Field Experiences
10. Mother Tongue Education for tribal Children
11. Bilingual Education in Tribal Schools
12. Multilingual Education in Tribal Schools: Field Experiences
13. Education of Tribal Children: Need for Improvised Pedagogy
14. Preparation of Glossary in Tribal Dialects
15. Tribal Languages in India: A Human Rights Perspective
16. Government Policy towards Tribal Languages and Tribal Education

RESEARCH PROJECT PROPOSAL FORMAT

1. **Title of the Project:** It should be Concise and communicate the intent of the study.

2. **Project Summary/Abstract** (approx. 200 words):
    (a) Research objectives
    (b) Methodology to be adopted
    (c) Educational Implications of the project.

3. **Introduction:** (Covering Conceptual & Theoretical background)

4. **Research Trends:** (In the selected area of Research: International Status, National Status and Identification of Research Gap))

5. **Need & Significance of the Study:**

6. **Statement of the Problem:**

7. **Objectives of the Study: Specific achievable objectives to be spelt out.**

8. **Hypotheses of the Study:**

9. **Variables of the Study:**

10. **Definitions of the Terms:**

11. **Delimitations of the Study:**

12. **Methodology :**
    1. Details of the Research Method/ Design
    2. Sample of the Study
    3. Research Tools Used (Quantitative/Qualitative)
    4. Procedure of the Study :The modality of collecting information
    5. Statistical Techniques Used

13. **Educational Implications:** Likely outcome of the study and benefits in the context of school education and teacher education needs to be precisely stated.

14. **Work Plan & Time Budgeting:** Plan of work and targets to be achieved, duration in which the study is proposed to be completed. To make it more rational, it may be desirable to visualize various stages involved in the study vis-à-vis the time requirement for each stage.

15. **Cost Estimation:** The cost of the project is to be estimated in terms of proposed duration of the project and facilities needed. It may contain the following items:
    1) Junior Project Fellow with duration for which needed
    2) Travel expenses (TA/DA) of the person's involved
    3) Purchase of Books, research tools, etc.
    4) Expenses for development/adaptation of research tools and materials.
    5) Development/Adaptation of Research Tools and materials
    6) Expenses for photocopying and printing of tools
    7) Hiring charges (computer, video recording, etc.)
    8) Preparation of report (draft and final)
    9) Contingency (stationery, postage, etc.)
    10) Overhead charges

ELIGIBILITY CRITERIA for Submitting Research Proposals to be Sponsored and funded by IUCTE-RIEM, Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)

The eligibility criteria and other relevant conditions which are required to be fulfilled to pursue research project/work are:

Teacher Educators with PhD working in UGC approved Government/Aided/Recognised Institutions or Non-Government organisations. The teachers who are eligible for IUCTE-RIEM Research Project should submit the proposal online through the prescribed format available on the official website of IUCTE-RIEM, through their Institution. All the responsibilities regarding the project will be with Principal Investigator/Co-Investigator of the institution submitting Research Proposal.

The concerned institute should get the proposal assessed by their research bodies with a certificate and should mention that the proposed research work is in conformity with the IUCTE guidelines. This process should be done before submitting the application form for Research Proposal. The downloaded three copies of the same duly forwarded by the Principal/Registrar of the concerned University/ College/ Institution need to be brought at the time of interface meeting.

Submission of Proposal

Research proposals by individuals/group of researchers affiliated to recognized institutions only are entertained for funding purposes. All proposals need to be routed through the respective head of the institution with a commitment to administer the funds and also be accountable for grants received from IUCTE-RIEM.

The academic accountability rests with the faculty who initiates the proposal. They are designated as Principal Investigator. In the case of collaborative project, the host institution should identify one faculty to work as PI.

All research proposals have to be formulated in the enclosed format and submitted to IUCTE-RIEM within the last date along with the prescribed supporting documents (checklist enclosed).

Maximum amount for the project shall be up to Rs. 2,00,000/- (Rs. Two Lakh only)

Maximum duration of the project shall be 6 months. .

Research Proposals can be mailed to www.iucte.riemysore.ac.in along with three hard copies to be sent -

> **To**
> **The Centre Director,**
> **Inter University Centre for Teacher Education,**
> **Regional Institute of Education (NCERT),**
> **Mysuru - 570006.**

on or before 30.09.2019. (LAST DATE), *Research Proposals received after the Last date shall not be considered.*

Screening Modalities

- All proposals received will undergo internal scrutiny by the IUCTE-RIEM to ensure the availability of all required documents and forward the complete applications for screening.
- All proposals will be evaluated by the Screening-cum-Progress Monitoring Committee (SPMC) consisting of the experts from different areas of educational research. SPMC meets periodically to expedite the evaluation of the proposals submitted for funding. After evaluating all aspects of the proposal including the budget, the SPMC would recommend in terms of either acceptance of the proposals for funding or resubmission of the proposals after incorporating suggested revisions or rejection of the proposal. The final authority of approval for funding the recommended proposals rests with the IUCTE-RIEM.

Flow of Fund

- The sanction of the project with the budget recommended by SPMC will be communicated along with the formats for agreement between the Institution and the IUCTE-RIEM for discharging the obligations, and Grant-in-Aid Bill (TR-42).

- Research grant for the project will be released in the form of annual instalments, if the project duration exceeds 12 months. Second instalment onwards, as the case may be, will be released subject to submission of the progress report after the completion of nine months and submission of accounts and utilization certificate at the end of 12 months from the date of the receipt of previous instalment. The release of instalments from second onwards is also subject to the recommendation of SPMC based on the satisfactory progress of the project. Fifteen % of the final instalment and overhead charges (wherever applicable) will be released only after submission of the final report after completion of the project and after receipt of the statement of audited accounts along with the utilization certificate by the competent authority of the Institution receiving the project grant.

- Furniture and durable assets are not allowed to be included in the project budget.

- Any literature, books or journals purchased under the project released funds should be deposited in the institution where the research has been conducted.

- The date of receipt of the first instalment by the institution would be considered as the date of commencement of the project. The project budget will not support any expenditure incurred before the commencement of the project.

- The undertaking by the institution to administer the project and provide the necessary facilities and infrastructure and monitor the progress. (Appendix II) iii. An undertaking by the PI (Appendix III) iv. Bio-data of the Project Incharge, which also would include the date of retirement/superannuation of the PI from the institution in the case of salaried employees. (Appendix IV) v. In the case of proposals emanating from non- government organization, the evidence to support the status of organization in the form of registration certificate, audited annual accounts and annual reports for the past three years immediately preceding the date of submission of proposal.

Submission of Final Report

Two copies of draft report (word processed and spiral/soft bound form) along with three copies of the summary (within 1000 words) are required to be sent.

Draft project report will be reviewed anonymously by an expert in the field to assess the contribution of the work to the field and recommend about the suitability of making the report available in public domain. Subsequently, the PI is required to revise the draft final report and send three copies in hard bound form for further action along with soft copy.

UNDERTAKING BY THE HEAD OF THE INSTITUTION

I am pleased to forward the proposal of Shri/Smt./Mrs./Ms./Mr./Dr./ Prof._____

who is _____

in our institution, for financial support to the IUCTE-RIEM. The institution agrees to: - Administer and manage the finance. - Provide accommodation and furniture and other infrastructure required for the project. - Make available all its research facilities such as library, laboratory and other requirement; and - Provide the material and managerial assistance for the project. If the Project Incharge of the project leaves the institution to join some other institution, after part of the sanctioned grant has been received, we would have no objection to the project being transferred to the new institution if the Project Incharge/IUCTE-RIEM so desires. The institution, however, shall continue to be responsible for submitting the audited statement of accounts and utilization certificate for the grant received by it, for this purpose. The institution will facilitate the completion of the project within the stipulated time. If IUCTE-RIEM is not satisfied with the progress of the project, the IUCTE-RIEM may terminate the project immediately and ask for the refund of the amount received by the institution along with penal interest. The same will apply to uncompleted projects.

Date   (Signature)

Name & Designation (in block letters)

(Office Seal)

CERTIFICATE

I certify that:

A. I shall abide by the rules governing the scheme in case assistance is provided to me by the IUCTE-RIEM for the above project.

B. In case the above research project or an allied project receives assistance from any other source, I shall inform IUCTE-RIEM accordingly.

C. In case the research project is not completed in time I will refund the whole amount along with penal interest as applicable. _____

Date: Signature of the P.I.

Place:

Name of the P.I. (in capital letters)

BIO-DATA OF THE PROJECT INCHARGE (P.I.)

1. **Name of the Project In-charge:**

2. **(a) Date of Birth :**
   (b) Date of Retirement:

3. **Institutional Address:**

4. Whether recognized or not by the Government/a Registered Society under Societies Registration Act 1860 with functions Pertaining to Research in school/teacher education Systems (attach photocopy)

5. **Department:**

6. **Position held:**

7. **Mailing Address with Pin Code**   **:**
            Telephone No. (Off.)   :
                    (Res.)   :
              Mobile No.   :
                  Fax No.   :
                   E-mail   :

8. **Permanent Address:**

9. **Academic Qualifications:**
   (Degree onwards)

Degree(s)	Subject(s)	University/ Institution	Division/ Grade obtained	Year of Passing

Any other specialized course completed (Please list above)

10. **List of Publications** (in the last five years)
11. **Experience:**
         (a) Teaching
         (b) Research
         (c) Any other

12. Please give below the details of project(s) completed so far:

S. No.	Title of the Project	Duration	Total Cost	Source of budget support	Status of the Project*

*Please indicate whether the report has been published/is to be published/is still to be completed.

13. Research project(s), if any, currently being conducted by the applicant.

14. Was this proposal submitted to any other funding agency: if so, what was the outcome?

15. Is this research being supported by any other agency or is this application being submitted elsewhere? If so, please give details.

16. Any other information that you think is relevant for the evaluation of the proposal.

(Signature of the P.I.)

RESEARCH PROJECT REPORTING

A. PRELIMINARY SECTION

I Title Page

- Title of the Study
- Name of Sponsoring Agency
- Principal Investigator's Name and Institutional Affiliation
- Project Co-Investigators

II Foreword / Preface

- Co-Investigators and their Departmental Affiliation
- Sources of Financial Support
- Acknowledgement of Contribution to the Project

III Executive Summary

It should give a thorough overview of the whole research report including hypotheses, procedures, and major findings and the key points representing the major chapters of research in a simple manner. It should give sufficient detail and clarity to completely understand the contents of the research study.

IV Table of Contents, List of Tables and Figures

B. MAIN BODY OF THE REPORT

I. INTRODUCTION

Give a clear and definitive statement of the problem. The problem must indicate the need for the research and its importance in terms of theory and/or practice. The following subtitles may be followed.

a. Process of Problem Identification and Statement of the Problem: State the Problem you are going to address. It should reflect the research gap in the disciplinary knowledge. In the case of program evaluation study, focus of evaluation has to be specified.

b. Background/Review of Literature: Present the conceptual /theoretical background of the study. Provide a Review of Previous research on the problem to understand the problem clearly. This should give background to understand the study by citing the investigations and findings of previous researchers and documents the investigator's knowledge and preparation to investigate the problem. Logically connect the previous body of literature with the current work.

c. Definition of Terms: Provide operational definition in technical terms based on how you have measured the variables. An operational definition, when applied to data collection, is a clear, concise detailed definition of a measure. Give definition of the variables investigated and controlled.

d. Purpose & Rationale/ Hypotheses: Give a clear rationale for the study. List the objectives and hypotheses.

e. Assumptions: A statement that is presumed to be true, often only temporarily or for a specific purpose. Explain everything that is assumed in order for the investigation to be undertaken.

f. Scope of the Research: The applicability of the study may be specified in the context of the sample, area covered and degree of generalizability.

g. Ethical Considerations (if any)

II. METHODOLOGY

Describe the research design and procedures used. Describe the methods for choosing subjects, collecting data or measurements, and conducting analysis as specifically as possible. Explain how the data were limited to the amount which was gathered. Explain the procedures for obtaining the data collected. Include the forms or manner by which it was recorded. Explain the procedures used in analyzing the data and determining the significance of the results. The following subtitles may be followed.

a. **Description of Research Design:** A research design is the set of methods and procedures used in collecting and analyzing measures of the variables specified in the research problem. The design of a study defines the study type (descriptive, correlation, semi-experimental, experimental, review, meta-analytic) and sub-type (e.g., descriptive-longitudinal case study), research problem, hypotheses, independent and dependent variables, experimental design, and, if applicable, data collection methods and a statistical analysis plan. A research design is a framework that has been created to find answers to research questions.

b. **Sample & Sampling Procedure**: Sampling procedures used to identify a sample that is representative of the population, meaning that the sample closely resembles the target population on all relevant characteristics. The number of participants included in the study and the means by which participants were selected.

c. **Instruments of Data Gathering**: A detailed description of the selection / construction of tools used for data gathering.

d. **Sources of Data Collection:** Refers to actual steps carried out in conducting the study. The detailed step by step procedure of data collection. Give complete information about who, what, when, where,

and how the data were collected. Specify the sources of data collection in terms of primary / secondary / both.

e. **Data Treatment:** The techniques/ procedures used in analyzing the data and determining the significance of the results.

III ANALYSIS AND INTERPRETATION OF DATA AND RESULTS

Describe the patterns observed in the data. Use tables and figures to help clarify the textual material, if required. Present the statistical analysis and Interpretation. Present the final results from the analysis, the hypothesis stated, and the decision about the rejection or acceptance of the hypothesis. The following may be included. **a. Data Analysis & Interpretation:** Present the data analysis and interpretation using appropriate tables & Figures and interpret the results followed by conclusions. **b. Major Findings:** List the final results of the study

IV. DISCUSSION

Discuss the theoretical and practical applications of the study. Suggest proposals for future research in the same area. New hypotheses may be proposed. Include conclusions that reflect whether the original problem is better understood or even resolved, as a result of this study.

a. Theoretical and Practical Implications: List the Educational implications of the results to Teacher Education & School Education and also implications for various stakeholders.

b. Conclusions and Recommendations: It may include comments about the implication of the findings presented. A reflection of whether the original problem is better understood, or even resolved, as a result of this study. As an outcome of this study provide recommendations to Policy makers and stakeholders to improve the quality of Teacher Education.

c. Suggestions for Further Research: Suggest new ideas for continuation of research in the present area based on the limitations of the present study.

V. BIBLIOGRAPHY

Include Bibliographic reference for each of the works cited. Follow APA referencing style (6th Ed.) as illustrated below:

For Books

- De Vaus, D. A. (2014). Surveys in social research. Sydney, Australia: Allen & Unwin.

For Book chapter

- McKenzie, H., Boughton, M., Hayes, L., & Forsyth, S. (2008). Explaining the complexities and value of nursing practice and knowledge. In I. Morley & M. Crouch (Eds.), Knowledge as value: Illumination through critical prisms (pp. 209-224). Amsterdam, Netherlands: Rodopi.

Journal article

- Boughton, M., & Halliday, L. (2008). A challenge to the menopause stereotype: Young Australian women's reflections of 'being diagnosed' as menopausal. Health & Social Care in the Community, 16(6), 565-572. doi: 10.1111/j.1365-2524.2008.00777.x

Webpage with an author

- Welch, N. (2000, February 21). Toward an understanding of the determinants of rural health. Retrieved from http://www.ruralhealth.org.au/welch.htm

Webpage with no author

- ANCI national competency standards for the registered nurse and the enrolled nurse (2000).Retrieved from http://www.anci.org. au/competency standards. htm

Newspaper article

- Bagnall, D. (1998, January 27). Private schools: Why they are out in front. The Bulletin, pp. 12-15.

Government publication

- The Health Targets and Implementation (Health for All) Committee. (1988). Health for all Australians. Canberra, Australia: Australian Government Publishing Service

VI APPENDICES:

Tables, Figures, Maps, Tools, etc., that are not totally central to the analysis form the part of this section.

GUIDELINES FOR SPONSORED RESEARCH PROJECTS

Promotion of Research in Teacher Education is one of the major activities of IUCTE Centre. Research grants is direct financial support to research projects taken up by social / Educational Researchers in addition to their normal duties in an honorary capacity. IUCTE provides grants to scholars to conduct research in various fields of Teacher Education which have a theoretical, conceptual, and methodological or policy orientation on the subject of their choice. The research projects should belong to Centre's which have been working under IUCTE Scheme.

Two categories of Research Projects: Major and Minor Research Projects are the two categories of research projects sponsored. As per the guidelines proposals are invited, scrutinized, processed and awarded every year.

General Guidelines for Research Projects and Programmes:

1.   General

1.1   The broad disciplines of the study within the domain of Teacher Education are Programme of Action (POA) for Implementation, ICT and Teacher Education, Inclusive Education, Economics of Education, Instructional Designs for implementation - Approaches /Models /Programmes /Practices, Philosophical Basis, Sociological & Psychological Bases.

1.2   Applications for Research Projects/Programmes are open to South Indian
        Nationals only.

1.3   Applications and Research Proposals should be in English.

1.4   The IUCTE reserves the right to reject any application. The IUCTE is also not
        Responsible for any postal loss/delays in communications.

1.5   The decision taken by the Expert Committee after approval by Research Committee and IUCTE will be final.

1.6   Limits to the Number of Projects/Programmes that can be sanctioned to an Individual Scholar: Ordinarily, an investigator will be entitled to take up only **one Research project** or programme concurrently, in which he/she is the Project Director.

1.7   Plagiarism:

1.7.1   Plagiarism refers to the use of another's ideas, information, language or writing, as one's own without proper citation of the original source. Even if paraphrased, summarized or otherwise use of an idea, information, interpretation or analysis from another source without citation, it is plagiarism.

1.7.2   Investigator should be fully aware of the rules and norms related to plagiarism. No part of the proposal or the report prepared by the Investigator should be violative of these norms. In case, the IUCTE finds that the proposal/report has been plagiarized, the IUCTE will reject the

report/proposal, demand a full refund, and inform the parent institution of the Investigator to take necessary action against him/her. The scholar will also be blacklisted for applying to IUCTE for future funding under any scheme.

1.8 General Directions for Formulation and Submission of Research Projects:

1.8.1 The project directors shall be personally responsible for completing their projects. The grant for the project will be made available to them through an institution, which shall agree to administer and manage the finances.

    1.8.1.1.1 provide accommodation and furniture required for the project;

    1.8.1.1.2 make available all its research facilities, such as library, Laboratory and other equipment; and

    1.8.1.1.3 Provide the ministerial and messengerial assistance necessary for the project.

1.8.2 The grants of the IUCTE will cover expenditure on

    1.8.2.1.1 Pay of the project staff, other than the director who will be honorary. The pay of the peons will not be sanctioned as a part of expenditure on a research project. Any expenditure on this account may, however, be met out of the overhead charges

    1.8.2.1.2 Travel to be undertaken in relation to the project within the country and abroad,

    1.8.2.1.3 Data processing,

    1.8.2.1.4 Stationery and printing of questionnaires, schedules,

    1.8.2.1.5 Equipment,

    1.8.2.1.6 Books and journals photo copies, etc.

    1.8.2.1.7 Contingency

    1.8.2.1.8 Overhead charges (Note: Retrospective payment for work already done will ordinarily not be permissible).

1.8.3 Research proposal submitted for funding should not be under consideration for funding by any other agency:

1.9 Sanction:

The IUCTE will issue a sanction letter in respect of every approved project. The letter will be accompanied by a copy of the approved budget by the IUCTE, No change shall be made in any of the conditions laid down in the sanction letter without the prior approval of the IUCTE.

1.10 Additional Funds:

The Institution shall not be entitled to a grant-in-aid in excess of the sanctioned amount, unless specific prior approval of the IUCTE to that effect has been obtained. The IUCTE shall accept no responsibility for any financial expenditure or liability arising out of the project except what has been specifically approved by it and conveyed to the institution through the sanction letter.

1.11 Re-appropriation:

    1.11.1.1.1 The institution may re-appropriate expenditure from one sanctioned sub-head to another, subject to a maximum of 10% in either case. All such re-appropriations should be reported to the

IUCTE. No re-appropriation will, ordinarily, be permitted from the amounts provided under item - Data Processing through computers.

1.11.1.1.2 Proposals for re-appropriations, which exceed 10 % of the amount sanctioned for any item, shall require the prior approval of the IUCTE.

1.12 Quarterly or Six Monthly Progress Report:

The project director will submit to the IUCTE, quarterly or six monthly progress reports of the project along with certified statement of expenditure actually incurred and an estimate of expenditure for the next quarter/six month period in the prescribed format. The statement of expenditure should be submitted quarterly, when grant is being released in quarterly installments. The release of subsequent installments will be subject to satisfactory progress of the project.

1.13 Changes in Approved Project:

The project Director shall report to the IUCTE Whens he/she makes Changes in the research proposal. No major change shall be made therein without the prior approval of the IUCTE.

1.14 Extension:

On a request from the project director, the IUCTE may grant extension of time to complete the project. Such extension shall ordinarily be subject to the condition that no additional grant-in-aid will be involved

1.15 Termination of Grants:

If the IUCTE is not satisfied with the progress of the project or if it finds that rules are being seriously violated, it reserves the right to terminate its grant-in-aid for the project.

1.16 Final Report:

The Project report cannot be submitted for the award of any University degree or diploma by any member of the project staff, including the project director. The IUCTE however, will have no objection if any member of the project staff utilizes the project data for this purpose.

1.17 Monitoring and Evaluation:

Evaluation and Monitoring of Research Programmes and Research Projects will be carried out by IUCTE.

1.18 Finalization of Accounts:

1.18.1 On completion of the project or annually (whichever is earlier) the institution should submit an audited statement of accounts with an utilisation certificate for the expenditure incurred on the project during the period. The arrangement of audit of accounts of the projects shall be the same as that in the institution concerned or the audit shall be done by a Chartered Accountant approved by the institution.

1.18.2 The institution shall also submit to the IUCTE a statement showing the equipment/fixed assets purchased out of the grant-in-aid with its price, along with the audited statement of accounts. For the purpose of this rule, equipment/fixed assets shall mean items costing Rs.1.00/-lakh or more.

1.19 Publication & Copyright:

❖ The IUCTE reserves the right to publish the final report of the research projects funded by it. If it decides to do so, the decision will be communicated to the project director.

❖ In all publications which are based on the projects financed by the IUCTE, an acknowledgement shall be made of the contribution of all professional staff working on the project, and also of the financial assistance received from the IUCTE, the publication should bear the following inscription:

❖ The project on which the present report is based was funded by the IUCTE. However, the responsibility for the facts stated, opinions expressed, and conclusions reached is entirely that of the project director/author and not of the IUCTE.

❖ The copyright of all publications relating to a research project (excepting those published by the IUCTE) shall vest in the author(s). The IUCTE, however, reserves the right to make use of them in any of its publications.

1.20 Right to call for information and to inspect Documents:
The IUCTE may call upon an Institution/project director to which a grant-in-aid has been sanctioned, to supply any formation or to produce any documents or books which in the opinion of the IUCTE, are necessary to satisfy it about proper utilization of the grant. It may also request the institution/or any other committee specifically appointed for the purpose, to hold an enquiry into a specific matter and submit its report to the IUCTE.

1.21 Right to Direct an Officer of the IUCTE to enquire into specific Issues
The IUCTE may, at any time depute any of its officers to inspect the accounts and other papers relevant to a grant-n-aid sanctioned to an institution.

1.22 Variations to Suit Special Cases:
Depending on the merits of the case, the IUCTE shall have the authority not to apply or modify any of the conditions laid down in these rules or to impose such additional conditions as it may deem expedient. In all such variations, however, the reasons for making the changes shall be recorded in writing.

**Principal, RIEM &
Chairman, IUCTE**