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Prof. Rajeev Sangal
Director, IIT(BHU), Varanasi

Chairman:

Prof. S. Kumar, Coordinator, T-L Cell, IIT(BHU)

Conveners:

Dr. S. Kumar, Dr. N. S Rajput

Advisory Committee:

Prof. G.V.S. Sastry, Dean (Academic Affairs), IIT(BHU)

Prof. P. K. Jain, Dean (R & D), IIT(BHU)

Prof. R. K. Mandal, Dept of Metallurgy, IIT(BHU)

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Dr. N. S. Rajput, Dept of Comp. Engg., IIT(BHU)

Dr. N. Sharma, School of Biomed. Engg., IIT(BHU)

About the T-L Cell, IIT(BHU)

A new cell named 'Teaching-Learning Cell (TLC)' was initiated by the Institute in July 2013 to strengthen the Teaching environment of the Institute & organize several programs to enhance teaching-learning processes at IIT (BHU). It covers all aspects of teaching, pedagogy, laboratory projects, assessment covering the other areas like course delivery, Role in designing courses, e-learning, sharing best practices in teaching by effective teachers, Faculty development programs etc.

**Call for Registration**

Participants willing to attend the symposium are requested to submit the completed registration form (on first come first serve basis) through proper channel by [March 22, 2017](#) to:

Contact:**Dr. Santosh Kumar****N S Rajput**

Department of Mechanical & Electronics Engineering

Indian Institute of Technology (BHU)

Varanasi-221005, India

Cell: 07080794851 / 09415390577

E-mail: santosh.kumar.mec@iitbhu.ac.in

nsrajput.ece@itbhu.ac.in

No of available seats = 60**Dead Lines**

Last date of receipt of registration form : 22.03.2017

Confirmation about participation : 23.03.2017

Symposium**on****Research Methodology for
Research Students & Faculty
Members****(RMFR – 2017)****March 24-29, 2017****[PLEASE REGISTER HERE](#)**

Organized by

**Teaching-Learning Cell
Indian Institute of Technology
(Banaras Hindu University)****Varanasi – 221 005****India**

Symposium on
Research Methodology for Research
Students & Faculty Members

March 24-29, 2017

An Introductory symposium on ‘Research Methodology for Research Students & Faculty Coordinators’ is being organized by the Teaching-Learning Cell of Indian Institute of Technology (Banaras Hindu University) from March 24, 2017. The study of research methodology provides students the necessary training in gathering material and arranging or card-indexing them, participation in their field of work when required, and also training them to the techniques of collection of data appropriate to particular problems, in the use of statistics, questionnaires and controlled experimentation and in recording evidence, sorting it out and interpreting it. In fact, importance of knowing the methodology of research or how research is done stems from the following considerations:

- For one who is preparing for a career of carrying out research, need necessary techniques & knowledge/ methodology for training specially to the new research worker and enables him to do better research
- Knowledge of how to do research inculcates the ability to evaluate and use research results with reasonable confidence, helpful in various fields such as Engineering, Government or business administration, community development and social work where persons are increasingly called upon to evaluate and use research results for action.
- When one knows how research is done, then one may have the satisfaction of acquiring a new intellectual tool which can mould the perspective of looking at the world. Thus, the knowledge of research methodology provides tools to look at things in life objectively.
- The knowledge of research methodology helps the consumer of research results to evaluate in terms of ethics & rules so as to take rational decisions.

Topics Covered

Overview of Research and its Methodologies: Concepts, needs, process, types and steps in research & scientific method Paradigm

Literature review- concepts & theories, what it is, why needed and how to carry out a literature review, Selecting and defining a research problem: need of problem formulation, criteria for selecting a problem? Identifying variables, evaluating problems, Basics of technical Communication, Writing a technical report, writing skills for Research (Writing Research Proposals: Why and How to write Good Research Proposals? Writing Research Reports and Thesis: How to write articles, research papers, projects and reports/ thesis? Contents of a thesis), writing abstracts & Conclusions, etc.

Conducting the research: Research activities, Preparations for conducting a research, Research Design, Models of Research, Current trends in Research, Legal & ethical aspects of Research, citation methods & rules, foot note, text note, end note, references, bibliography.

Sampling Design, Data Collection, Processing and Analysis of Data, Interpretation of Data

Examples of Research at IIT: Differences among PG and UG, Research at PG and UG level

Role of creativity, Roadblocks and bottleneck during research process. What students expect from (Guides, own Institute, family and society), what Guides expect from students.

Professional ethics, IPR and plagiarism issues, Ontology, Epistemology, and Methodology

The Speakers

Dr. AK Verma, Prof AK Tripathi, Prof. Devendra Mohan, Prof Santosh Kumar, Prof. P K Panda, Prof. M L Meena, Dr. P Ghosh, Dr. P. Bharadwaj from IIT (BHU) & from other Institutions.

Open for: M. Tech & Ph. D students of all institutes

Registration Charge: NIL

Registration form

Symposium on
Research Methodology for Research
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(RMFR – 2017)

March 24-29, 2017

(To be submitted by 20.03.2017)

1. Name.....
 2. a) Age b) Sex: M/F
 3. Present Position
 4. Affiliation
 5. Address for correspondence
.....
.....
e-mail:.....
Phone/Mobile.....
 6. Area(s) of interest
 7. Draft No.Amount
 - Bank
 - 8.a) Date and Time of arrival
.....
b) Date and Time of departure
.....
- Date.....
- Place Signature of the Applicant