



Report of

Talk on

## **“Research Methodology”**



**Dr. Satyanarayan presentation on Research Methodology**

Department of Mechanical Engineering conducted an In-house talk on Research Methodology to give information regarding the works associated with research and the steps that have to be taken care of while doing any research activity. Dr. Satyanarayan conducted the session for the faculties of the department on 23/11/2017 which included several chapters from his thesis being discussed and where usually the people go wrong and how to be very careful while doing the work.

Methodology refers to the overarching strategy and rationale of your research project. It involves studying the methods used in your field and the theories or principles behind them, in order to develop an approach that matches your objectives. Methods are the specific tools and procedures you use to collect and analyze data (for example, experiments, surveys, and statistical tests).

In shorter scientific papers, where the aim is to report the findings of a specific study, you might simply describe what you did in a methods section.

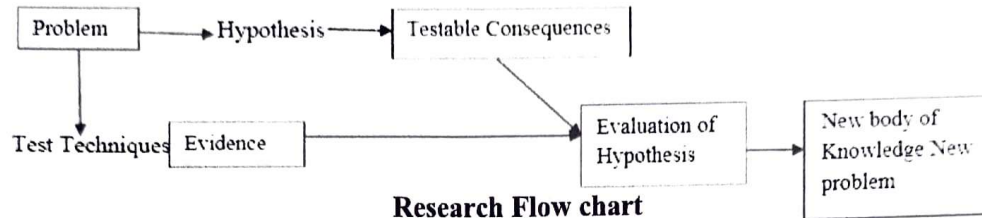


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Body of Existing Knowledge



**Research Flow chart**

The research approach that was followed for the purposes of this research was the inductive one. According to this approach, researchers begin with specific observation, which are used to produce generalized theories and conclusions drawn from the research. The reasons for occupying the inductive approach was that it takes into account the context where research effort is active, while it is also most appropriate for small samples that produce qualitative data.



**Research Methodology**

**Outcome:** The talk was informative and beneficial for all the faculties who are about to start their research work. The talk gave lot of step by step information on the Research methodology.

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