



Department of Mechanical Engineering
Alva's Institute of Engineering and Technology

Shobhavana Campus, Mijar-574 225, Moodbidri, D.K.

E-mail: aietmech08@gmail.com

Date: 20/11/2017

From,

Head of the Department

Department of Mechanical Engineering

Alva's Institute of Engineering and Technology

Mijar

To,

The Principal

Alva's Institute of Engineering and Technology

Shobhavana Campus

Mijar

Dear Sir,

Subject: Request for permission to conduct a seminar on Research Methodology

With respect to the above subject, the Department of Mechanical Engineering is conducting a seminar on Research Methodology. In this regard we are deputing Dr. Satyanarayan, Faculty from our department to conduct the session. So I kindly request you to provide permission and do the needful.

Yours Sincerely

PRINCIPAL
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225, D.K.

HOD, ME
H. O. D.
Dept. Of Mechanical Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225



INVITATION

**ALVA'S INSTITUTE OF
ENGINEERING AND TECHNOLOGY**

Dept. of Mechanical Engineering

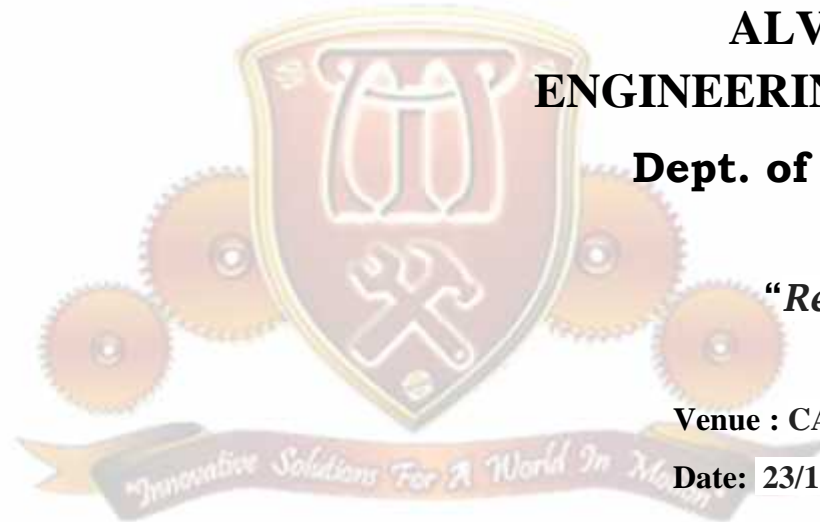
Talk on

“Research Methodology”

Venue : CAMD LAB, Mechanical Block

Date: 23/11/2017

To,



PROGRAMME SCHEDULE

-) Welcome speech
-) Introduction of Speaker
-) Knowledge Sharing
-) Vote of Thanks

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dept. of Mechanical Engineering

Cordially invite you to the

Talk on

“Research Methodology”

Resource Person: Dr. Satyanarayan
Associate Professor
Dept. of Mechanical Engineering

President: Dr. Peter Fernandes
Principal, AIET, Moodbidri



K V Suresh
HOD,
Department of Mechanical
Engineering
AIET

Venue: CAMD LAB, Mechanical Block

Date: 23/11/2017



DEPARTMENT OF MECHANICAL ENGINEERING
Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar, Moodbidri - 574 225, Mangalore Dt
Karnataka, INDIA.

Ref:AIET/2017-18/R&D Cell/ME/01

CIRCULAR

All the faculties of the department are requested to attend a talk by Dr. Satyanarayan on
"Research Methodology" on 23/11/2017 from 9:30 am

HOD

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ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

Phone: 08258-262725, Fax: 08258-262726

Department of Mechanical Engineering Faculty Attendance for talk on "Research Methodology"

Date: 23/11/2017

Sl.No.	Faculty Name	Sign
1	Dr. Peter Fernandes	
2	Prof. K V Suresh	
3	Prof. Ravindran K N	
4	Dr. Satyanarayana	
5	Mr. Harish K	
6	Mr. Veerendra kumar	
7	Mr. Sharathchandra Prabhu	
8	Mr. Shankarappa Kalgadi	
9	Mr. Yogish Rao	
10	Mr. G. B. Vaggar	
11	Mr. Ravindra Badiger	
12	Mr. Hemanth Suvarna	
13	Mr. Suresh P S	
14	Mr. Raghavendra Baliga	
15	Mr. Thrivikram Prabhu	
16	Mr. Sadashiv Bellubbi	
17	Mr. Prashanth Reddy	
18	Mr. Kiran C H	
19	Mr. Pramod Badyankal	
20	Mr. Kumar Swamy M.C	
21	Mr. Gopal Krishna U.B	
22	Mr. M.R. Ganesh	
23	Mr. Deepak Kothari	
24	Mr. Praveen K C	
25	Mr. Srinivas C S	
26	Mr. Muddukrishna C Shetty	



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27	Mr. Pramod kumar N	
28	Mr. Raghavendra Prasad S A	
29	Mr. Prashanth M D	
30	Mr. Jaya Naik J	
31	Mr. Mithun B R	
32	Mr. Manjunath Naik	
33	Mr. Keshavanth B G	
34	Mr. Shailesh B Golabhavi	
35	Mr. Anish Augustine	
36	Mr. Madhu K N	
37	Mr. Vargees A E	
38	Mr. Sagar B S	

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Brief Detail about the Resource Person



Dr. Satyanarayan

The resource person for the talk was **Dr. Satyanarayan**. He is an working as Associate Professor in Alva's Institute of Engineering and Technology, Moodbidri. He has completed his PhD in Metallurgical & Materials Engg from NITK Surathkal. MTech in Materials Engg, NITK Surathkal in 2009. He is expertise in Lead Free Solders, Solidification and Mechanical Behavior of Solder Joints, Mechanical Behavior Metals, Explosive welding, Thermal Interfacial Materials. He has published in more than 25 International reputed papers and has delivered talks related to research and publications.


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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.

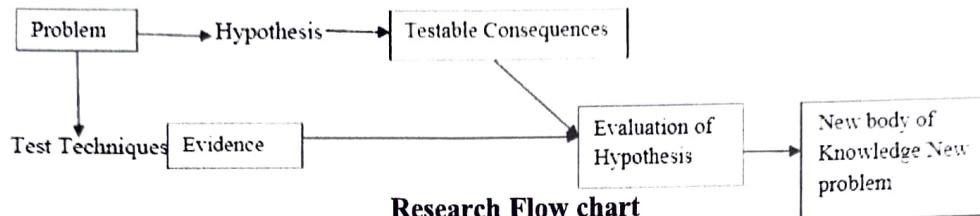


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Body of Existing Knowledge



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.

Signature
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