

**Report of Faculty Development Program**

on

**“Understanding the secret of writing a good research paper”**

Dr. D.Y. Patil B-school conducted an FDP for its in-house faculty members. The FDP was conducted for 5 hours on 27<sup>th</sup> September 2020.

**Objectives**

- 1) To develop basic traits of diving into a research paper writing.
- 2) To understand the importance of doing a good literature review
- 3) How to select a proper journal for your research article to be published.

**Target Audience:** 20 faculties (in-house)

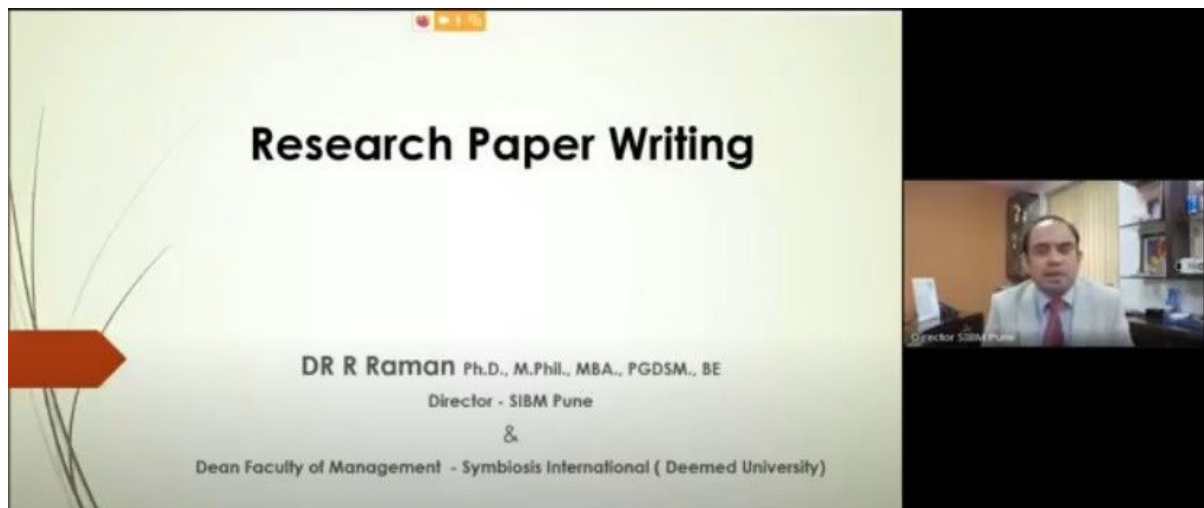
**Program Date:** 27<sup>th</sup> September, 2020

**Program Duration:** 5 hours (11:30pm-4:30pm)

**Resource Person:** Dr. Ramakrishnan Raman, Director – SIBM, Pune

**Brief**

The FDP was aimed at making the participants develop the basic attribute to write a good research paper. What should be the basic outline of a good research paper and what is the importance of doing a literature review and what is the right method to do a literature review. The session also focused on teaching the participants how important it is to select a journal for getting your research work published. The FDP session ended with a vote of thanks given by Dr. Sonali Saha – head of the Research and Publication cell.



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## Skills for "digesting" the literature

ANALYSIS	Select, differentiate, break up	Dissecting data into their constituent part.
SYNTHESIS	Integrate, combine, formulate, reorganize	Rearranging the elements derived from analysis to identify relationship.
COMPREHENSION	Understand, distinguish, explain	Interpreting & distinguishing between different types of data, theory & argument to describe the substance of an idea
KNOWLEDGE	Define, classify, describe	Describing the principles, uses, & function of rules, method, etc.

Adapted from Hart, 1998

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## Critical analysis checklist

- What is the main idea being put forward?
- What points develop the idea?
- What evidence is provided?
- Do you agree with the conclusions?
- Is it a response to another work?
- Underlying theory or assumption?
- Model?
- Strengths/weaknesses/limitations?

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### Scope & length of lit. review...

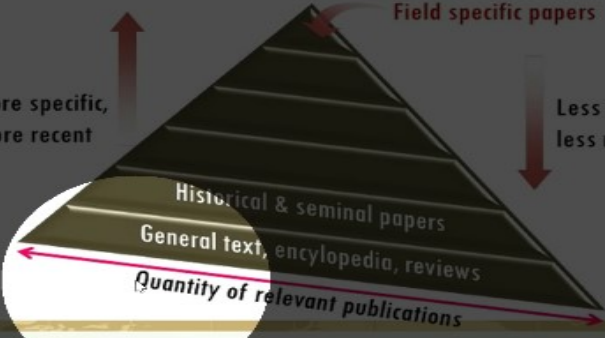
- Be selective
- State the current state of the theory
- How far back?(Master's ~10 years; PhD – further back)
- Avoid verbosity
- Demonstrate ability to synthesise the body of literature – **brief but focused.**



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### Searching & reading strategy



Field specific papers

More specific, more recent

Less specific, less recent

Historical & seminal papers

General text, encyclopedia, reviews

Quantity of relevant publications

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### Important questions to ask

- What is known about the broad topic I am researching, and from what types of literature?
- What are the most important 'landmark' works within the field, referred to regularly in other studies?
- What methods and methodologies are being used to research the area I am interested in?
- What theoretical and conceptual frameworks are being used to understand the field?

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### Planning for literature search

Define the topic	General reading; prepare a list of terms.
Think about the scope	What is the time frame of search (how far back?)
Think about the outcomes	What it is you want to get out of the search?
Think about the management	How are you going to manage the search results?
Plan sources to be searched	The list and sequence of sources to be searched

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## Types of Literature Review

- Evaluative Review

Evaluative Review is a type of literature review which focus on providing a discussion of the literature in terms of its coverage and contribution to knowledge in particular area.  
 It is often used to directly compare research findings of a project with other when findings are directly available.

S P V

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### Analysis for Y Continuous, X Discrete

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    graph TD
      Start([Y is Continuous & X Factor is Discrete])
      Start --> B1[Compare 1 Population with External Standard]
      Start --> B2[Compare 2 Populations with Each Other]
      Start --> B3[Compare More than 2 Populations with Each Other]
      
      B1 --> D1{Is Y Data Normal?}
      D1 -- No --> T1[1 Sample T Test]
      D1 -- Yes --> D2{Population Std Dev Known?}
      D2 -- No --> T2[1 Sample Z Test]
      D2 -- Yes --> T3[1 Sample T Test]
      
      B2 --> D3{Is Y1 & Y2 Normal?}
      D3 -- No --> T4[2 Sample T]
      D3 -- Yes --> D4{External Conditions Same?}
      D4 -- No --> T5[2 Sample T]
      D4 -- Yes --> T6[Paired T Test]
      
      B3 --> D5{Is Y1 ... YN Normal?}
      D5 -- No --> T7[Kruskal Wallis Test]
      D5 -- Yes --> D6{Are Variances Equal?}
      D6 -- No --> T8[2 Sample T]
      D6 -- Yes --> T9[One-Way ANOVA Test]
    
```

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### Literature sources

Tools for searching published works & data

- Library catalogues
- Subject indexes
- Subject abstracts
- Bibliographies
- Encyclopedia
- Internet directories
- Internet search engines



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### The range of literature to explore

- Background material which is of **broadly relevance** to your study
- Literature and research studies which address issues that are **closely related** to your study
- Literature which is **directly related** to your study

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## Any critical review should incorporate...

- An assessment of the **strengths & weaknesses** of some of the theories
- A clear **understanding** of the topic
- A citing of all **key studies** in the subject territory
- A clear indication of **how the review links** to your research questions



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		X	
		Continuous	Discrete
Y	Continuous	Graphical: Scatter Diagram Statistical: Regression	Graphical: Histogram, Box Plot Statistical: Z Test, T Test, Anova, Two Variance test, Test for Equal Variance
	Discrete	Graphical: Scatter Diagram Statistical: Logistic Regression Analysis	Graphical: Pareto chart Statistical: 1- Prop, 2- Prop, Chi-Square

27 July 2020 86

Director SIBM Pune Rashmi Paranjpye Pooja Patil Dr. Leena Dam

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*Read more to learn more...*

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Snippino Tool



**DPU** Dr. D. Y. Patil  
**B-School**

FDP 2020

Organised by-  
R&D Cell

# RESEARCH PAPER WRITING

**Date : 27.07.2020**

**Time : 2.30 - 4.30 PM**



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**DR.RAMAKRISHNAN RAMAN**  
**DIRECTOR SIBM, PUNE**  
**& DEAN - FACULTY OF**  
**MANAGEMENT SIU**