

Research Paper Writing Skills

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Thought of IDEA

- “Dark is not opposite of light.... Its just the absence of light Likewise paper writing is a problem of absence of idea, not the absence of solutions.....!”



cont...

- Research paper means
 - To convey idea
 - Way of examining your practice
- Idea === Paper === Research
- Open your ideas
 - Keeping is worthless
- Workout continue on idea
 - Then it become fine tune



cont...

- Research means
 - Easiest Exam
 - Open book
 - You have chance to correct
 - Highlighting your own natural ideas
 - Become novel idea
 - It can come at any movement



Contents

- Topic Selection
- Paper Search
- Implementation
- Paper Publication
- Future Scope
- Conclusion



Topic Selection

- First you must be good Teacher
 - Maintain Diary
 - Note all good thoughts
 - Generally comes when we are busy
 - » Traveling
 - » Teaching
 - » Question answers in class
 - » Reading
 - » During discussions etc.
 - Always do Practical Implementation of theory
 - First time it may be just simulation



cont....

- Take Currently Teaching Subject
- Select any Interested Topic
- Use International Standard Book
 - Preface
 - Cross references
 - List of books, papers and journals



cont.....

- Latest issue of journal
 - Preferably from
 - IEEE
 - Science Direct
 - Elsevier
 - Reputed and high impact factor journal
 - Universally known



cont...

- To search paid paper
 - Search the title in Google
 - Most of the cases
 - It is on personnel web page of author
- During search only follow PDF links
- In search query always put PDF key word along with title or key words



cont...

- News letters (Ex. IEEE)
 - Research publisher publish
 - Short summary
 - Help to get key words
 - Now a days available online and free
 - Do registration for newsletter
 - It will come to your mail
- Webinars (Ex. Mathworks)



Paper search

- Search only one paper
 - It will be in one direction
- Read thoroughly and note down
 - Application
 - Technique used
 - Data/Database used
 - Accuracy in %
 - Limitations
 - Future scope

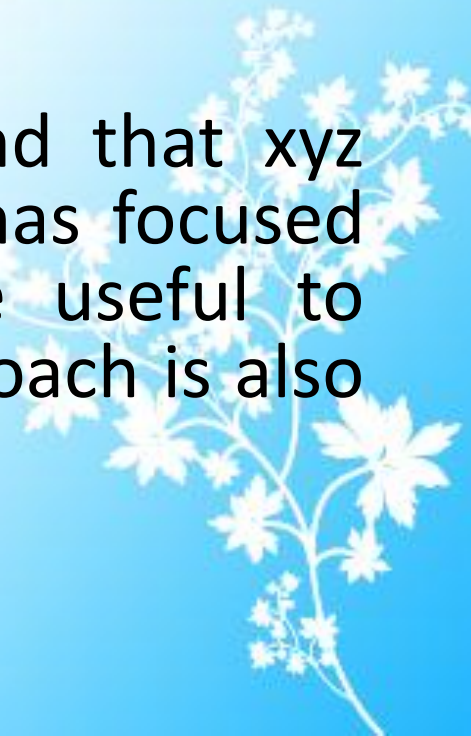


cont...

- Review writing technique
 - A. K. Jain and et. al. has developed histogram equalization technique for enhancement of mammogram images. They got 89% accuracy. Results are useful for early detection and diagnosis of cancer. According to them in future using high pass filter it is possible to get more accuracy. They have only apply for gray scale images [1].
- **Reference:**
 - 1. A. K. Jain, R. S. Polikar, “Early detection and diagnosis of cancer in mammogram images using enhancement technique”, IEEE Transaction on Pattern Analysis and Machine Intelligence, Oct. 2011, Issue 11, Vol. 3, Pg. No. 31-33.

cont...

- In this way write for all available papers
- Finally write
 - Overall critical analysis
 - Trend of research
 - Helps to select good and current topic
- Out of all reviewed paper it is found that xyz paper is most important because it has focused on the application areas which are useful to masses in future. Their technical approach is also novel.



cont...

- Selection of topic is either from
 - Limitation or
 - Future scope
- Further search only
 - Terms which are not clear
 - Tutorials
 - Books
 - Papers or
 - Video lectures



- Great motivational words written on the entrance of an American University.....!!
 - “I know I am something, because God doesn’t create garbage.....!!”



Implementation

- Select the application
- Prefer tools because
 - Universally known
 - Correct
 - No trial and errors
- Collect result
- Do Analysis
- Compare result with referred paper



Paper publication

- Select high impact factor journal for publication or
 - conference or
 - workshop
- Read author instructions
- Check format of paper
- Put in their template



cont...

- Title
- Abstract
- Introduction
- Methodology
- Result
- Limitations
- Future scope
- Conclusion
- Acknowledgement
- References



cont...

- Conference
 - Paper or oral presentation or
 - Poster presentation
- Title of paper
 - Focused on out come
 - Reverse engineering



cont...

- Reviewers comments
 - Experts and experience views
 - Take them positively
 - It is the chance to correct
 - Improve and resend



Future scope

- Now our paper is right direction for future work
 - Select its future scope or limitation for
 - Second paper
- Continue this for long life.
- Continuity is very important
- Do not quit
- When you think about quit
 - Remember success is only one step ahead



cont...

- “If u miss any thing in life, don’t fill your eyes with tears! It may hide yet another beautiful thing standing in front of u!!”



cont...

- “The ups and down in life are also very important to keep us going... because a straight line even in an ECG means we are not alive....!”



cont....

- Do Discussion
 - Perfection
 - Practice made man perfect
 - Different views
 - Clues
- Always be a member of forum
- Begins with Application oriented research
- Then go for Development/Core type of research



Funding agencies

- UGC, CSIR, DST, DIT
- Funds for
 - PG
 - M. Phil.
 - Ph. D.
 - PDF
 - Research Project
 - Young Scientist, Minor, Major or any novel idea
 - Publication
 - Travel Grants
 - Faculty Exchange



cont...

- Funding Schemes
 - University
 - Colleges
 - Both University and colleges
 - SAP, FIST, Innovative Program, Event organization
 - Indi usual



- “Difficulties in your life do not come to destroy you, but to help u realize your hidden potential and power. Let difficulties know that you too are DIFFICULT!!”



Conclusion

- Topic should be from our own expert subject
- Application oriented
- Start with only one paper
 - Select future of it as your topic
- Published in high impact factor
- Focused on own natural ideas
- CS research
 - At any time any where



- “No rehearsal in life ... Each day is a new show, no repeat, no rewind, so, give your best shot in all your worthy acts, as the show goes on & on!”
- “Do hard work success is not swift nor easy.....!”



Questions ?



Thank you



Respect our Parents

- They expect only love which we have borrowed in our childhood we should return it in their old age....!
- Listen them carefully
 - Their ideas are 100% correct
 - May be differ in way
 - We are more familiar with technology



Technology Talks

- Wikipedia: I know every thing
- Google: I have every thing
- Facebook: I know every body
- Internet: without me you are nothing

- MSEB: Konala massti aali re



U can win

- U can win life by all means
- Yes!! If u simply avoid 2 things:
 - Comparing &
 - Expectation
 - life will become more beautiful

