

Research!

Agenda :

Paper Publication

- TE and BE students are required to publish paper based on their projects
- Paper should be published in reputed conferences and journals

Patent & Product

- Projects should be chosen to culminate into a useful product
- New ideas and models should be patented

Why Paper Publications ?

.... your published papers, as a permanent record of your research, and your passport to your community !



Reference : [VESIT - Computer Faculty Publications till 2018-19](#)

Paper Publications

☐ Resources for References

- ☐ Choosing the right Conference / Journal
- ☐ How to read a Research Paper ?
- ☐ How to write a Research Paper ?
- ☐ Quality Assurance of Publications

Resources for References :

❑ Online Database Access : **Knimbus Remote Access**

- ❑ VESIT e-Library Platform to make “Your Library, Your Way”.
- ❑ An Online Database : Science Direct, Springer, IEEE, ACM Papers.
- ❑ For Remote Access and Mobile App functionalities.
 - ❑ Website : <http://vesit.new.knimbus.com>
 - ❑ Login : [<your_college_emailid>](#)
 - ❑ Password : [knimbus@2018](#)
 - ❑ Knimbus Mobile App.
 - ❑ Android Version
 - ❑ IOS

NB : If above password doesn't work for you, please put your registered email ID and apply forget password option, then you will receive email on your registered email ID

Resources for References :

❑ To Access e - Resources

❑ Links :

- ❑ <https://www.sciencedirect.com>
- ❑ <https://ieeexplore.ieee.org/Xplore/home.jsp>
- ❑ <https://link.springer.com/>

❑ All the above e-resources are **IP based Campus Access**

❑ **No Username and Password required.**

❑ To Access : e-Books via Knimbus

- ❑ <https://vesit.new.knimbus.com/user#/home>

NB : Knimbus houses around **8000 plus** of **Science & Technology & Artificial Intelligence** books in one place and it is an integrated platform for all the above e-Resources.

Paper Publications

- ☐ Resources for References
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Choosing the right Conferences / Journals :

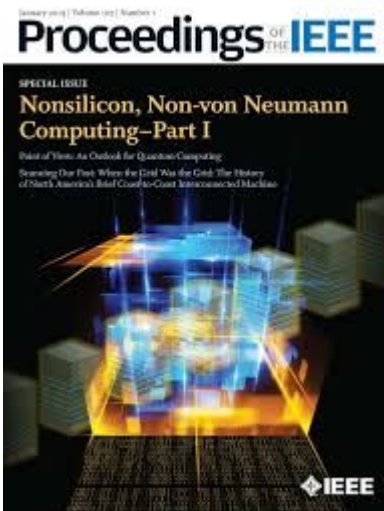


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January 2013 | Volume 102 | Number 1
Proceedings OF THE IEEE
SPECIAL ISSUE
Nonsilicon, Non-von Neumann Computing-Part I
Point of View: An Outlook for Quantum Computing
Scanning Our Past: Where the Cold War the Cold: The History of North America's First Coast-to-Coast Interconnected Machine



IEEE TRANSACTIONS ON
COMPUTERS

ScienceDirect



ELSEVIER



ACM/IMS Transactions on
Data Science

Choosing the right Conferences / Journals :

- ❑ How to search for **IEEE Conferences** - [Link to website](#)
- ❑ How to search for Springer Conferences - [Link to website](#)
- ❑ Scopus Indexed Journals - [Link to website](#)
- ❑ Web of Science Journals - [Link to website](#)
- ❑ UGC Approved Journals - [Link to website](#)
- ❑ Sambhashan - University of Mumbai's - [Link to Website](#)

On the Occasion of Maharashtra Day, 1st May 2020, the University of Mumbai takes the opportunity to release the free open access peer reviewed bilingual interdisciplinary journal **Sambhashan** published by the Office of the Dean, Humanities, University of Mumbai.h

Few Research Jargons :

- ❑ International Standard Book Number (ISBN)
 - ❑ Numeric commercial book identifier which is intended to be unique.
- ❑ International Standard Serial Number (ISSN)
 - ❑ An eight-digit serial number used to uniquely identify a serial publication



ISSN

- International Standard Serial Number
- 8-digits
- 1976
- France and UNESCO
- Free
- Continuing resource- Serial publication- Ongoing Integrating resource
- <http://www.issn.org/>

ISBN

- International Standard Book Number
- 10-digits now 13-digits
- 1970
- US
- Depending upon national office may be charged
- Books
- <http://rrrlf.nic.in/isbn.asp>



Courtesy : [Wikipedia](https://en.wikipedia.org/wiki/International_Standard_Book_Number)

Google
Scholar
Scopus
PubMed
EBSCO
EMBASE
DOAJ
ISI Indexing
SCIE



Few Research Jargons :

❑ Impact Factor (IF)

- ❑ Measure of the **frequency** with which the average article in a journal has been **cited** in a particular year.

❑ Crossref

- ❑ makes research outputs **easy to find, cite, link, assess, and reuse**.

❑ Digital object identifier (DOI)

- ❑ A persistent **identifier** or handle **used to identify objects uniquely**, standardized by the International Organization for Standardization (ISO).

- ❑ **Journal Indexing** helps to maintain the **ethics and quality** in terms of **publication** and increase visibility, validity, availability, and readership.

Courtesy : [Wikipedia](#)

Paper Publications

- ☐ Resources for References
- ☐ Choosing the right Conference / Journal
- ☒ **How to read a Research Paper ?**
- ☐ How to write a Research Paper ?
- ☐ Quality Assurance of Publications

How to read a Research Paper ?

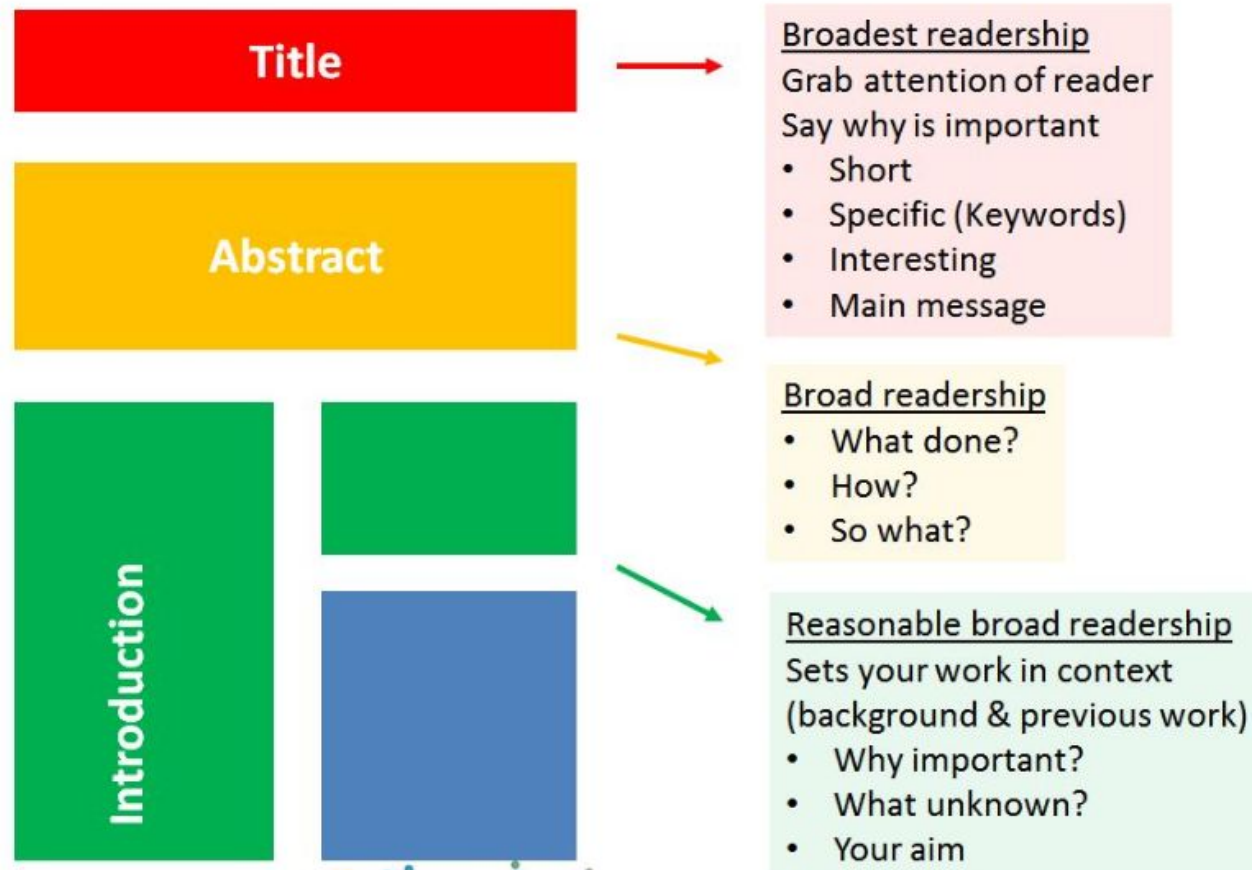
- ❑ Pass 1
 - ❑ Read - Title, Abstract, Introduction, Subheadings, Conclusion and Glance over the References.
 - ❑ Answer 5C's - Category, Context, Clarity, Correctness, Contributions.
- ❑ Pass 2
 - ❑ Look carefully at the figures, diagrams and other illustrations in the paper
 - ❑ Remember to mark relevant unread references for further reading
- ❑ Pass 3
 - ❑ Attempt to virtually re-implement the paper.

Online Source : [Prof. S Keshav, University of Waterloo, Canada](#)

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How to write a Research Paper ?



Reference : 10 Steps for Writing Research Papers

Research Paper Templates


- ❏ [IEEE Conference Template](#)
- ❏ [IEEE Article Template](#)
- ❏ [Write Your Paper](#)

Publish with IEEE Conferences

Find a Conference

IEEE sponsors conferences and events that give technology professionals the opportunity to share innovations and interact one-on-one with the community.

- 1,800+ conferences
- 98 countries
- 484,000 attendees annually

Use the [IEEE Publication Recommender](#)  to find the best conference to showcase your work.



Rules for writing Research Papers :

- ❑ Rules to be followed during the processing and submission of technical papers relevant to the B.E /T.E project work after continuous discussion with the mentors in Computer Engineering department are as follows:
 - ❑ Authors Ethics - IEEE
 - ❑ Check the **plagiarism** of your paper.
 - ❑ Grammarly - Plagiarism Checker
 - ❑ Copy Leaks - AI based Plagiarism Checker
 - ❑ Small SEO Tools - Plagiarism Checker
 - ❑ **Name of the mentor** as an author is mandatory.
 - ❑ Papers should be **approved** by the respective mentor before submission.

Paper Publications

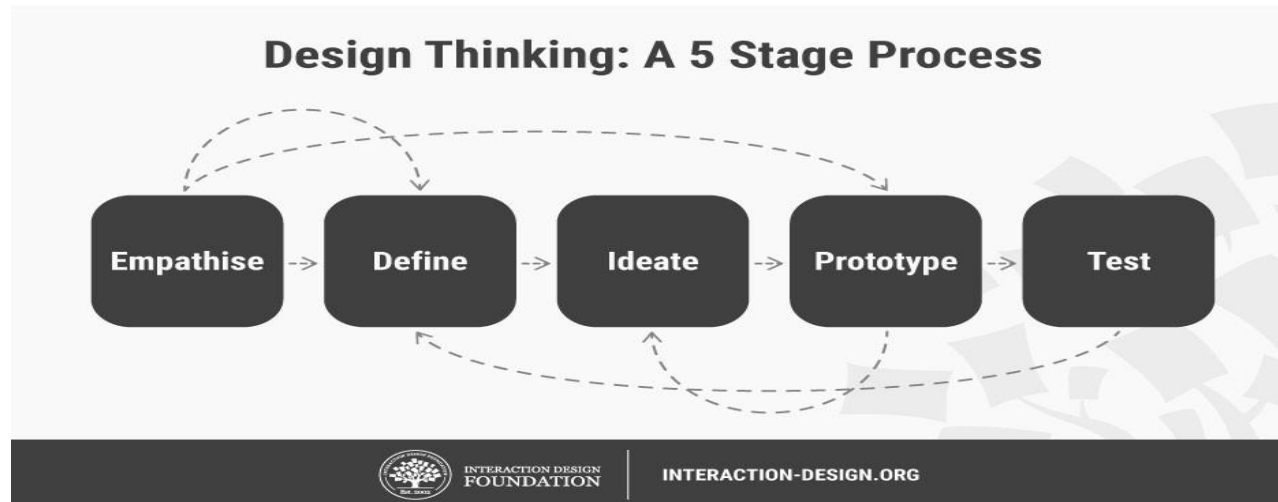
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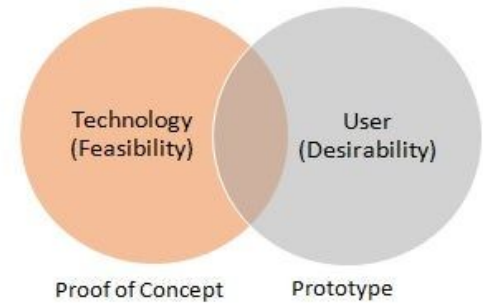
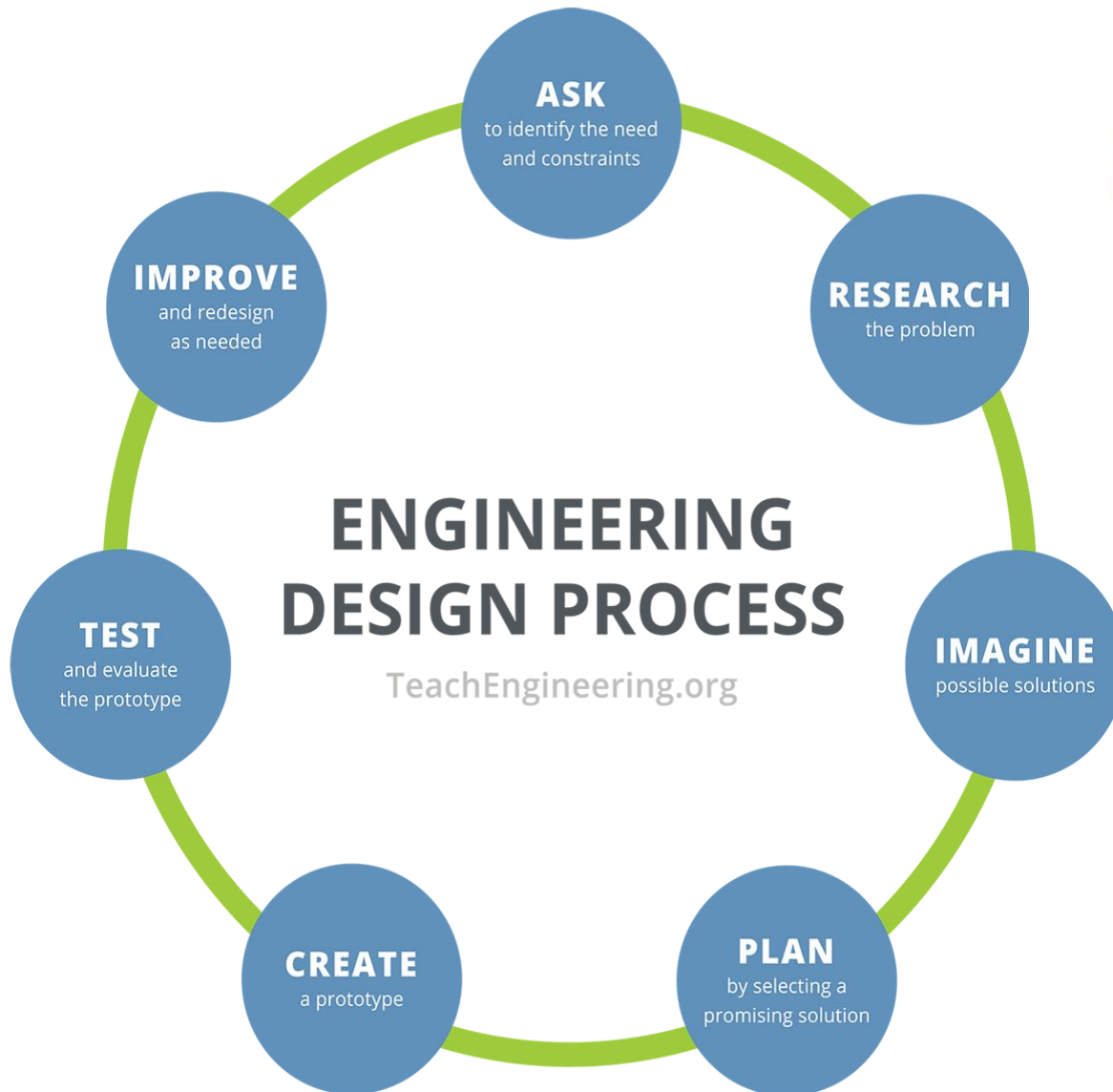
Quality Assurance of research papers :

- ❑ Work should be published only in **UGC Approved / WoS / Scopus / SCI Indexed** Journals, the links for which are mentioned below :
 - ❑ **UGC-CARE List on the website**
 - ❑ Login for Searching the Journals using ISSN
 - ❑ **Scopus Indexed Journals**
 - ❑ Go to Source Option and Search by ISSN, Title etc...
 - ❑ **Web of Science Journals**
 - ❑ Search by ISSN
 - ❑ **SCI Indexed Journals**
 - ❑ Search by ISSN
 - ❑ Includes both Scopus and Elsevier ScienceDirect Journals

Process of project design

- ? Research the Problem
- ? Imagine: Develop Possible Solutions
- ? Plan: Select a Promising Solution
- ? Create: Build a Prototype
- ? Test and Evaluate Prototype
- ? Improve: Redesign as Needed



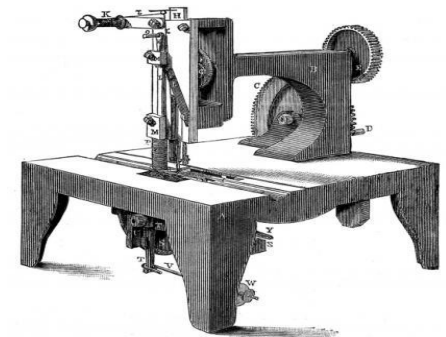


Intelluctual Property (IP)

Industrial Property and Copyright

Industrial Property:

- ❑ **Patents** (product or a process)
- ❑ **Trademarks** (text, word, numeral, phrase, symbol, design, signature, smell, shape, color, sound, packaging, texture or combination of any of these elements)
- ❑ **Trade Secret** (confidential information, data, formula, composition, process, design, method or compilation)
- ❑ **Industrial designs** (three-dimensional features, such as the shape or surface of an article, or of two-dimensional features, such as patterns, lines or color)
- ❑ **Geographical indications** (the name of the place of origin of the goods)

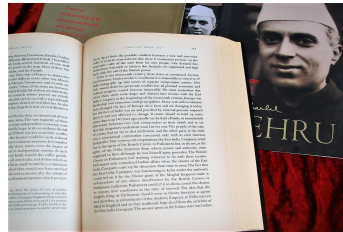


THE SINGER MACHINE, AUGUST 12, 1851.
Earliest model filed in Patent Office. Reproduced from the SCIENTIFIC AMERICAN of November 1, 1851.

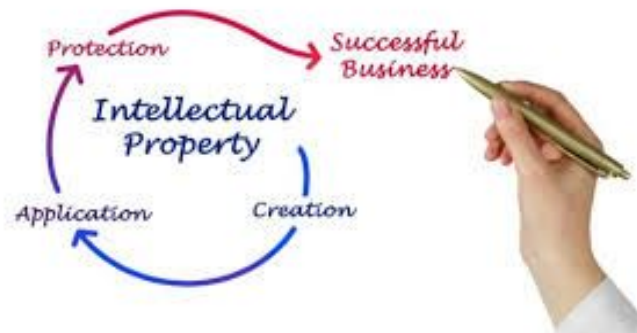


IP and IPR

Copyright (books, stories, novels, poems, plays, newspapers, magazines, advertisements, movies, computer programs, databases, musical compositions, songs, choreography, videos, paintings, drawings, photographs, sculpture, architecture, maps, technical drawings, literary works, films, music, artistic works and architectural design)



Intellectual Property Rights (IPRs) refer to the bundle of legal rights granted with the aim to protect the creat



Patent

- ❑ A patent is a **right granted to an inventor** by the federal government that permits the inventor to exclude others from **making, selling or using the invention for a period of time.**
- ❑ The patent system is designed to **encourage inventions that are unique and useful to society.**





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