

# Teaching, Learning and Evaluation (TLE) in Semester Pattern

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# Contents

- Teaching
  - Syllabus
  - Lecture Notes
  - Pedagogy
- Learning
  - Faculty Awareness
- Evaluation
  - Faculty
  - Examination



# Thought of IDEA

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



# Semester pattern

- Run from 1<sup>st</sup> Day
- Connect Multiple engine and run like super fast express
- Planning
- Academic calendar
  - Need not have to depends



# Teaching

- Syllabus
  - Design
    - Review and Feedback
      - Society
      - UGC
      - Government
      - Industry
      - Alumni
      - All Colleges
      - Senior Citizens
      - X- Faculties
        - » To incorporate new update if any



# Cont...

- Involve
  - Industrialist
  - Representative of Society
  - Academician
- Re-review
- Specific
  - Possible to cover in 35-40 Hrs.
- Good Reference Books
- Should give through knowledge of at least one concept



– Horizontally distributed Example Of **M. Sc. Information Technology syllabus**

Sem-I	Sem-II	Sem-III	Sem-IV
<b>Programming in VC++</b>	Programming with VB.NET	Elective I:(Any one) 1. XML.NET 2. Business Intelligence 3. Operating System for Mobile 4. ASP.NET 5. WML	C Sharpe (C#) Programming
<b>Core Java</b>	Advance Java Programming	Java Network Programming	Elective II: (Any one) 1. Programming J2ME 2. Open Source Web Programming using PHP 3. CORBA 4. GIS 5. Biometric
<b>LINUX Operating System</b>	Linux Data Center Administrator	Linux Security	Major Project
<b>ORACLE</b>	DB2	SYBASE	Seminar

# Cont..

- Value added
  - Ex. Certification
- Collaboration with industry
  - Ex. IBM
  - Microsoft
  - MKCL
    - Academic program



# First Lecture

- Must create interest
- Preface
- Make easy
- Overall idea and objective



# Lecture Notes

- Share among students
- Student oriented
- As per student level and not as per faculty level
- Contents
  - Theory
  - Mathematical expression
  - Implementation with Example
  - Problem solving concepts
  - Application areas



# Cont..

- Feed back of previous lecture in next lecture
- Sure that it is understood to all students other repeat



# Attendance

- Part of duty
- Find cause of absentee
- Convey students
- Monthly report to
  - Head
  - Principal
  - Parent
- Create interest to attend
  - Ex. We have miss you.



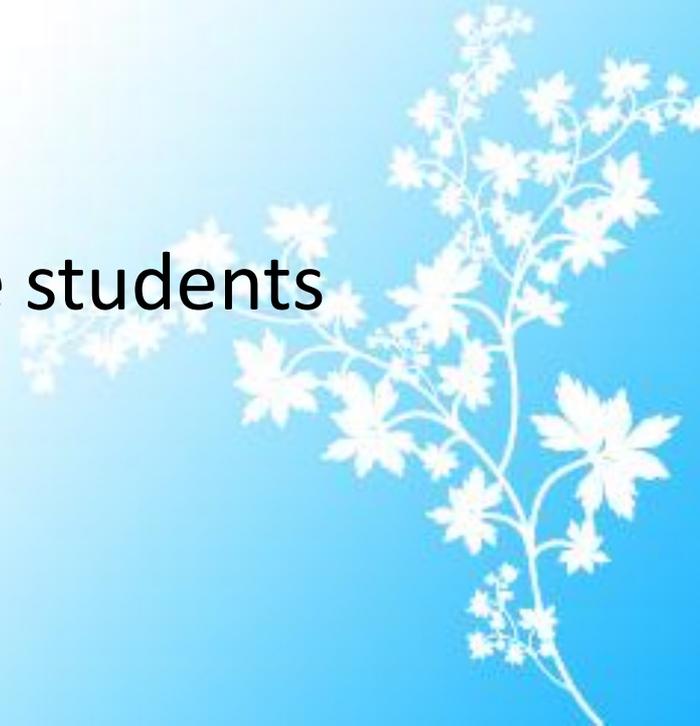
# Cont..

- Don't dominate
  - Ex. What is your name?
- Pedagogy



# Class test (Internal Assessment)

- Inform portion and pattern
- Asses in time
- Give remark about where there is need to improve
- Follow-up for improvement
- Take extra remedy for average students



# Cont..

- Don't be syllabus oriented
  - Be qualitative
  - Make students improvement
  - One chapter is better than blank completion of syllabus
- Always biway



# Cont..

- Industry visits
  - Clear reality
  - TI
  - Manufacturing
  - Printing press



# Practical

- implementation of theory class
- Examples and assignments
- Every session must be evaluated
- Last day of practical as per time table is submission



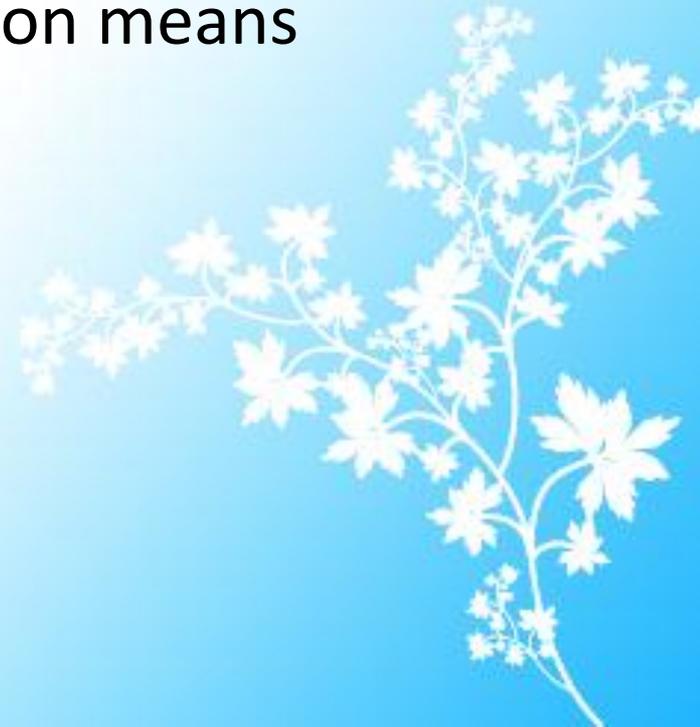
# Learning

- Students responsibility
  - Must be regular
  - Must be attentive
  - Make things clear in every class
  - Must be active
  - Leadership quality
  - Stage courage
  - Soft skills



# Cont...

- Faculty Responsibility
  - Encourage the students
  - Day to day activity and interaction means
    - Personality development



# Evaluation

- Continuous evaluation of
  - Students by Faculty
    - Class test, practical, tutorial, seminar etc.
  - Faculty by Head and Principals
  - Student Faculty interaction
  - Faculty Tea Club for interaction
    - Important to share novel ideas and
    - To get easy solution



# Cont..

- Faculty
  - Should involve in exam work
    - Do by heart



# Cont..

- Don't expected changes in one day.....
  - It may takes years
    - But it will be forever
      - All success stories have also gone through same phase
        - » Hence be positive
          - Ready for hard work
            - Path of success is not easy nor swift.
  - No alternative for hard work



# Cont..

- Punishment is not final solution
  - Motivation can change attitude



# Cont..

- Paper setting
  - Involve representative of all colleges and Institutes
  - Every body should know the update in pattern and marking scheme
  - Less office work to Faculty members



# Important

- Always follow instruction of Head and Principles
  - Their decision are based on their
    - Experience
    - Future plan
  - Story of Mathematician with Numbers



# Cont...

- Use of ICT
  - Intercommunication
  - Student communication
    - Class notes
    - Assignment
    - Examination
    - Admission
    - Result
    - Administration
    - Alumni
    - Placement
    - Attendance



# Cont..

- PRN No
  - Year
  - Class
  - Number
- Login and password
  - Head
  - Principal
  - Faculty
  - Students
  - Parents
    - Access of all students info



Thank you



# Cont..

- Dairy by Faculty
- Weekly plan
- Faculty awareness
  - Should know current development and need of subject
  - Training
  - Workshop
  - Conferences
  - Research
  - Refresher and Orientation





# TLE Contents

- Appreciation
- Sakal News on Higher Education
- Number Story of Mathematician
- Attitude
- Unity
- Moral Story
- Encouragement
- Think Positive



# Cont..

- Thoughts of Jain Gold Shop
- Tejgyan
- Bhosale sirs Talk
- RTI in TLE
- Sunny Therrapan
- Self Realization
- U can Win
- Thoughts from Dept Slogans



# Cont..

- Sadu Story
  - Drinking + Nonveg
- Nonveg Khanewala Story about Principals
- Funding Agencies
- Training
- Research
- Leadership Development



# Cont..

- Ref: College of Leadership Mangalore
- Leadership Spirit
- Spirituality
- Campus Interview
- TPO Meet
- Change Management
- Credit Based, Choice Based System



# Cont..

- Earning can Teach but Spending cannot
- Refreshers, Orientation
- Feedback Form of Teacher (Teacher Evaluation)
- Continues Evaluation
- 12<sup>th</sup> Plan Evaluation Criteria of Teacher
- Non Teaching Staff



# Cont..

- Organization Structure from Dept NACC PPTs
- Professor, Associate and Assistant Hierarchy
- Linked Group
- Always visit, Web like, University, UGC, DST, AICTE, DRDO, CSIR, MIT, Govt of Maharashtra etc.



# Cont..

- Profile of College or Dept
- On line Exam both Objective and Descriptive
  - Ex. MKCL
- Lecture Notes
- Curriculum Development
- Why Private Universities are Good?
  - Workculture



# Cont..

- Examination work by Faculty
  - It is part of Duty
- No. of Teaching staff





# 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



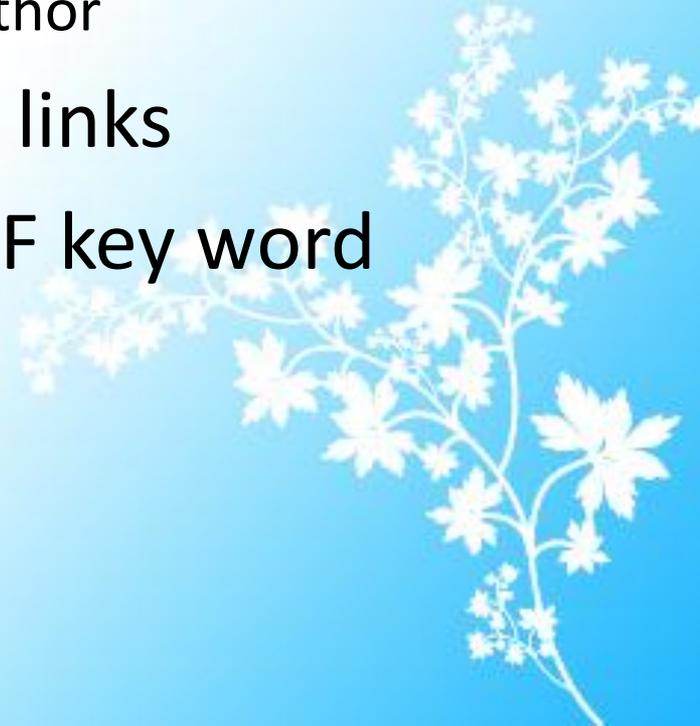
# cont.....

- 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
  - 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



# 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

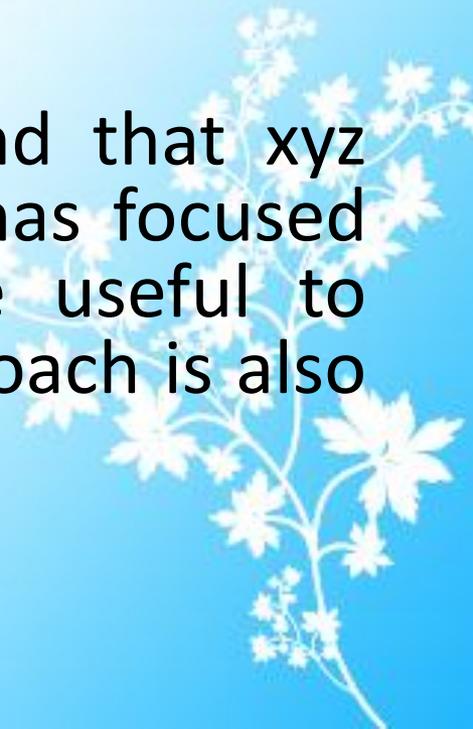


# cont...

- 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
  - M. Phil.
  - Ph. D.
  - PDF
  - Research Project
    - Young Scientist, Minor, Major or any novel idea
  - Publication
  - Travel Grants
  - Faculty Exchange
  - Faculty Improvement



# 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 .....

