

SEMESTER VII/ FOURTH YEAR : **Research Methodology**

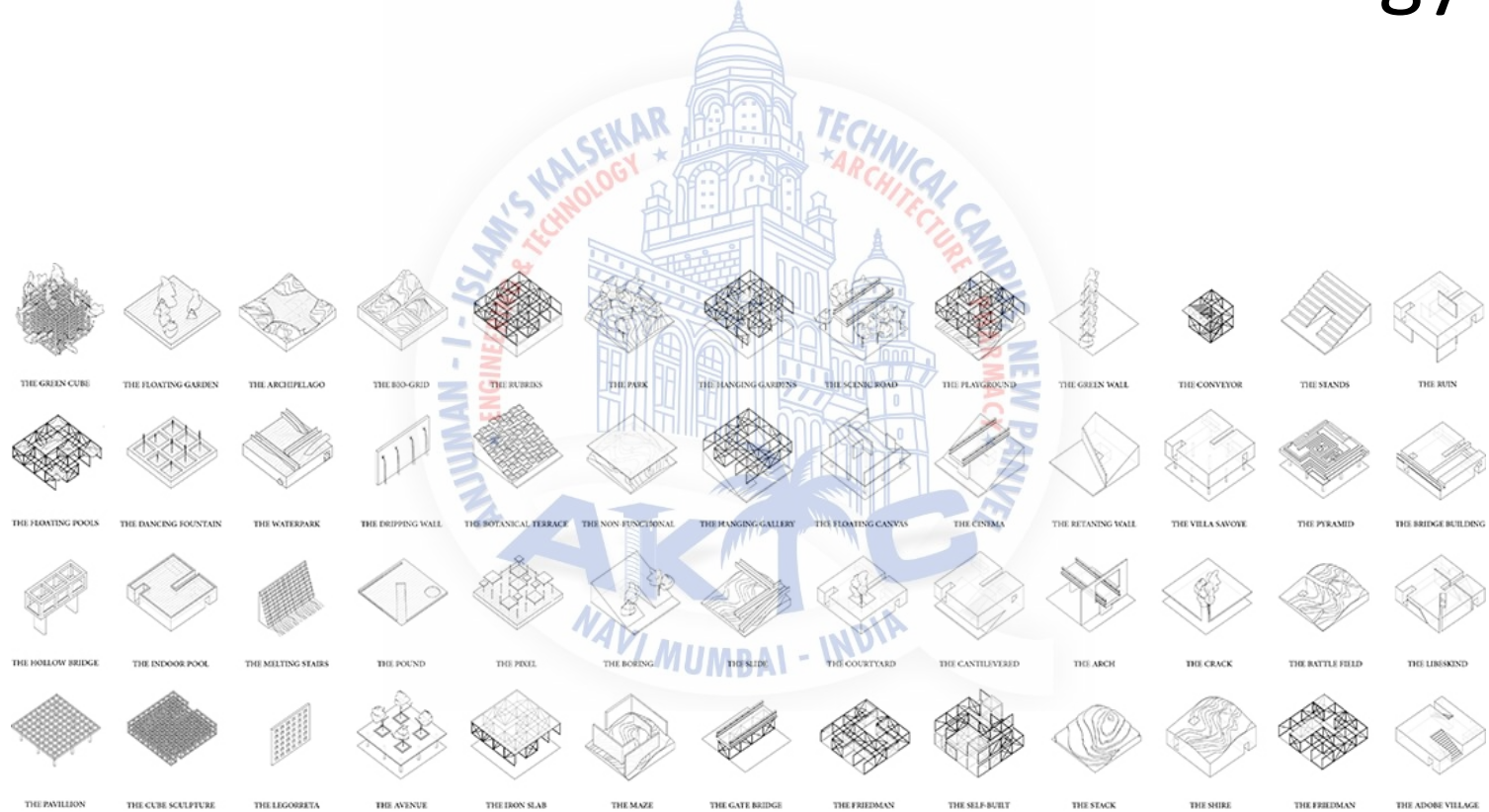
AIKTC SOA/2019

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Introduction -- Lecture 01



Design Dissertation

+ Research methodology

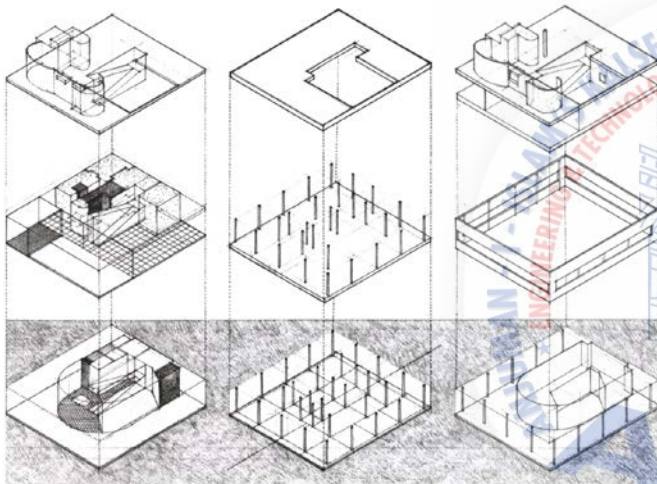


“ डिजाइन dissertation
क्या होता है? ”



Design

known, explored and exploited in last 4 academic years



Dissertation

unknown, unexplored & confusing



The logo of AIKTC (Amalraj Institute of Advanced Technology) is a circular emblem. It features a central illustration of a classical building with a dome and a palm tree in the foreground. The text 'AIKTC' is prominently displayed in the center. Surrounding the central image are the words 'AMALRAJ INSTITUTE OF ADVANCED TECHNOLOGY' and 'NAVI MUMBAI - INDIA'. The logo is semi-transparent and serves as a background for the text in this section.

STAGE
02

Design

noun

a specification of an object manifested by an agent, intended to accomplish goals, in a particular environment, using a set of primitive components, satisfying a set of requirements, subject to constraints to create a design, in an environment.

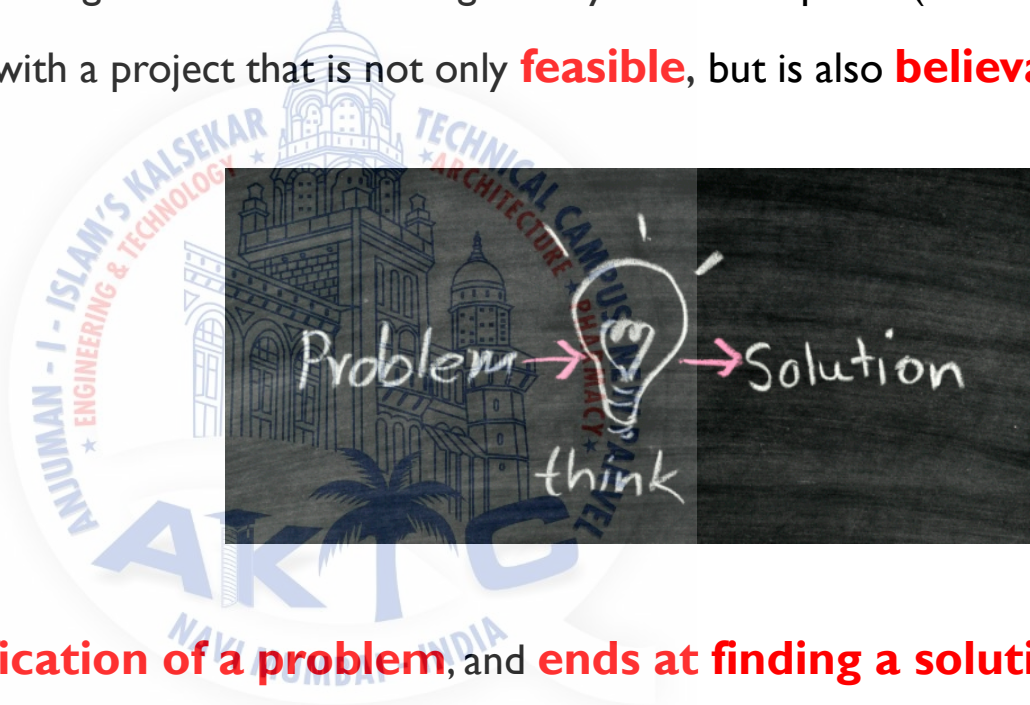
STAGE
01

Dissertation

noun

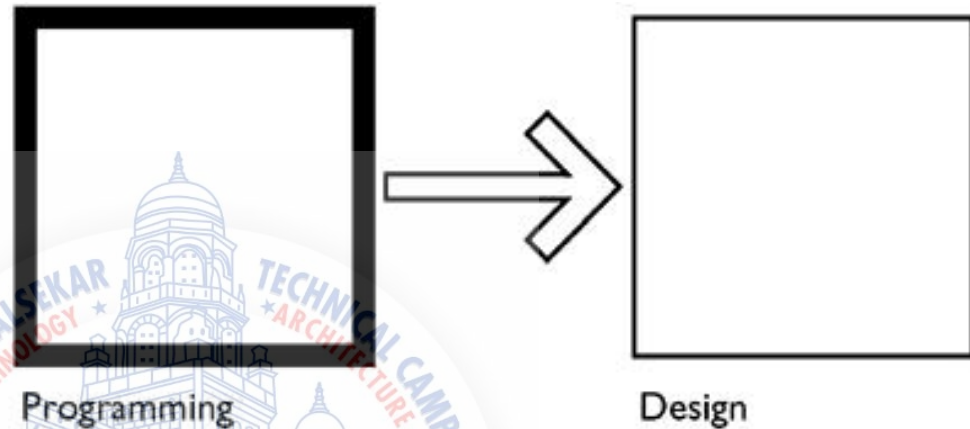
a long essay/research/study on a particular subject, especially one written for a university degree or diploma.

Your THESIS PROPOSAL is the one project that should integrate all you're learning in your 4-year (or so...) stay in Bachelor of Architecture. It is supposed to justify your right to graduate. So, you will have to dig into all the knowledge that you have acquired (architectural and otherwise) to come up with a project that is not only **feasible**, but is also **believable** and **distinctive**.



It **begins with a identification of a problem**, and **ends at finding a solution to that problem**. This is not an easy task. With a series of research works and evaluations (and re-evaluations), you need to come up with enough proof that your **solution is right** (*research & case studies*).

THE SEARCH *begins* --



Programming is a process.

What kind?

“A process leading to the statement of an architectural intervention (need?) and the requirements to be met in offering a solution.”

Statement of an architectural intervention -- This implies problem solving. Problem solving is a creative effort. There are many different problem-solving methods, but only those few that emphasize goals and concepts can be applied to architectural design problems.

Right now, you are faced with one big problem.

That is,

How Do You Come Up With The Problem?

But before we get into that, you have to **choose** a certain **scope or concern** first. This will help you **narrow down** the number, the extent and the magnitude of the problem you wish (?) to solve.



how ?

- ✓ **Formulation** or development of a project that does not exist yet.
- ✓ Generation of useful technical data or technical properties of new material or process.
- ✓ **Improvement** of existing knowledge.
- ✓ New application of an existing knowledge.
- ✓ Comparative study of two or more entities or development of an improved version of an existing one.
- ✓ Physical **development** of a **research** work.
- ✓ **Documentation (Black Book)**

CRITERIA FOR SELECTING A PROPOSAL

- The research topic must be one which **YOU** selected.
- It must be within **Your Interest**.
- It must be within your specialization.
- It should have definable limits to suit your available resources.
- It must be **researchable and manageable**.
- It must be **completed within** a reasonable **span of time**.
- Its solution must require original, critical and reflective thinking.
- It must be significant, important and relevant to the present time and situation.
- It must contribute to the national development goals for the improvement of quality of life.



PROPOSING PROJECT --

When you have already set your mind on a certain topic or problem, the next step is to find out its **physical application**. Your thesis, after all, does not just involve research. Most of the time, the topic or problem chosen must be translated into **a structure or a set of guidelines**. Here are some questions to help you determine what kind of project you may carry out to interpret your research.

1. What are your **interests**? What are your **life experiences**?
2. Do you know of **any organizations** or groups that support your interest?
They may have possible projects.
4. Do you know of any possible **proposal by a government agency** and unit which you can further develop?
5. Are you aware of any **new concept**, technology or project which may be tested or feasibility in local application?

Every student has to know the **BUILD FORMS** from below mentioned list--

CULTURAL

LEISURE

REGIONAL

INSTITUTIONAL

MIXED USE

COMMERCIAL

RECREATIONAL

ADOPTIVE

CONSERVATION

GOVERNMENT

RESIDENTIAL

INDUSTRIAL

RELIGIOUS

TRANSPORTATION

Others



THESIS PROPOSAL CONSIDERATION

- ✓ In general, the thesis proposal should be modest projects, similar to programs attempted in Semester VI or IX (*scale of a project?*).
- ✓ The Thesis is also a comprehensive summary of what has been learned to date, so **technical competence** (services, sustainable, structures etc.) must be exhibited in all aspects of a Thesis project.
- ✓ Thesis projects will not only be judged on the quality of work presented, but also on **the processes** used to produce it.

CONCEPTUAL DOCKET CALENDAR DAILY GOALS PRIORITIES SCHEDULE
REMINDER ORGANIZE SERVICES WEEKEND
DELEGATE SUCCESS FINISH REMINDER CHECK BOX WORK
MEETINGS TO BE DONE CALENDAR PRIORITIES CROSS OFF EMAILS
AGENDA DAILY GOALS PERFORM DAILY SUCCESS PHONE CALLS PROJECTS
SCHEDULE SUCCESS MEETINGS CHECK BOX REMINDER DELEGATE PRIORITIES REMINDER SERVICES MOTIVATE
WORK PROJECTS REMINDER
PRIORITIES WORK
DOCKET CHECK BOX TASKS
COMPLETE To Do List
PRACTICE PRIORITIES
PLANNER DAILY GOALS
MANAGE LEADERSHIP MULTITASK WORK CAREER REMINDER
DOCKET EXPERTISE PERSONAL FINISHED BUSINESS

ORGANIZE





- ✓ *What is the **title** of your thesis?*
- ✓ *What do you **mean** by such title?*
- ✓ *Is there really a **need** for this kind of project?*
- ✓ *What is the main **goal** of your project? **Research Objectives?***
- ✓ *What then is your **Design goal?** **Design Objectives?***
- ✓ *Who are the **direct beneficiaries** of this project?*
- ✓ *What is **your Design Philosophy?***
- ✓ *Explain to us your **Design Concept** for this project and how can you relate it to your **Philosophy.***
- ✓ *How can you prove to us that the site chosen is the best site for this project?*



Tick Box for self validating thesis project

- | | | | |
|--------------------------|---|--------------------------|--|
| <input type="checkbox"/> | <i>Is the project Feasible?</i> | <input type="checkbox"/> | <i>Is your project relevant to present time?</i> |
| <input type="checkbox"/> | <i>Is the project Unique?</i> | <input type="checkbox"/> | <i>Is your project relevant to present situation?</i> |
| <input type="checkbox"/> | <i>Is the project researchable?</i> | <input type="checkbox"/> | <i>Is the project within your specialization ?</i> |
| <input type="checkbox"/> | <i>Are you passionate about project?</i> | <input type="checkbox"/> | <i>Does it improves quality of life?</i> |

