

NEW DEVINATION TO ARCHITECTURAL EDUCATION

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Abstract-A syllabus, is a synopsis which acts as a medium of communication between the college and its students as to how much and in what mode the information about a certain course is delivered to the students. It is an outline and summary of topics to be covered in an education or training course. The research paper aims to deliver a well formulated syllabus in the field of Architecture which would include the theory and the practical education simultaneously so that five years down the line when the student emerges out as an Architect he /she should be well versed with the design and technology for a diverse range of situations, both in the rural and urban contexts. In architecture as a profession designing is not only the key point but to present the project and to take it through a systematic design and development process is a mandatory aspect so in the initial stages also this quality should be inculcated in the budding architects which is formed by a well programmed syllabus.

Keywords: Architecture, Architect, curriculum, training, communication, grading policy, syllabus

1. INTRODUCTION

A syllabus usually contains specific information about the course, such as information on how, where and when to contact the lecturer and teaching assistants; an outline of what will be covered in the course; a schedule of test dates and the due dates for assignments; the grading policy for the course; specific classroom rules, hours dedicated to the particular subject etc.

In our college syllabus is the document that communicates information about a subject and defines the intention of the college to introduce it through its LEARNING OUTCOME & COURSE OBJECTIVES.

A syllabus is thus a student's guide to a course and what will be expected of them in the course.

The importance of syllabus formulation for the successful commencement of a course became evident to me when I myself became part of the syllabus formulation core team of my Architecture College. Keeping the contemporary scenario in consideration the syllabus approach is to keep the students in sync with the practical field standards so that as and when they reach the final semesters they are well versed with the design and technology for a diverse range of situations, both in the rural and urban contexts.

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In India, we have further complexities of different social, cultural, geographical, economic and technical nuances which are unique and typical of every region in our country. Every region has its own peculiarities which are different from the adjacent domain.

Today architecture is not only related to the construction of a certain facility and handling it to the client but how that facility does operate. Its contextualism, the effect its presence renders on the environment. So to reach to a level to calculate and analyze these issues require a strong academic base. The program should also correspond to the guidelines of Council of Architecture for its B. Arch. Degree. As this configures the criteria for registration of students with COA as architect on completion of B. Arch. Course of the school.

The program aims at attaining a high level of excellence in Architectural Design. To this end, the design and construction course is seen as the core of the programme with supportive inputs from other subjects like, the Human settlements and native and world history, structures and most importantly the services of the building, etc.

While taking a virtual tour through the syllabus of other colleges I got the feel as to how these renowned colleges plan and foresees their students becoming competent and confident architects five year down the line.

2. LITERATURE REVIEW

Like Guided study as taken by SPA, Vijaywada is interpreted as the Seminar studio which will help the students to understand an architectural write ups as well as to express their views about the same by writing their research paper.

Environmental sciences is introduced in the first semester so that being so fresh in the stream the students should be aware of the basics of environment and its relevance to mankind, the built envelop around. With increasing urbanization the major agenda across the globe is the ozone depletion, global warming and increasing carbon footprint and so the whole architectural and planning fraternity is working on the frame work formulation of policies to help planet earth and the best way forward to fight is to elucidate the fresh minds about the subject and consequences at early stage.

Similarly Climatology is one of the most scientific way to study the charecterstics of an area and help the designers to take decision about the built forms so the Fundamentals of Climatology are also introduced and incorporated in Design work so that its integral importance to architecture is clear.

GOA COLLEGE OF ARCHITECTURE perceives their architectural education in reference to

- Contextualism
- Cultural construct
- technology as one of the design determinants

And these have formed the basic thrust of architectural education and they call it Context Sensitive Architecture.

NIIT HAMIRPUR accentuates on the development of personality of students with the aid of both the objective information and subjective attitude and so has introduced subjects like Disaster Management, Earthquake resistant structures, Hill Architecture, Ekistics as their core subjects so as the students are well equipped with the most cutting edge technologies to deal with the most prevalent scenarios.

SPA DELHI has ART APPRECIATION from very early semesters as an architect should be able to sense aesthetics through visual and sensory appeal of physical form. The emphasis is to make students into connoisseurs of art rather than consummate artists themselves.

UNIVERSITY OF MUMBAI has college projects which can be mixed group participation of students from different years, or may be dedicated to any one class that clearly elaborates the concept of Vertical Studio.

3. SUBJECT DISPENSATION

The Bachelor of Architecture (Five year Degree Program) which is proposed by us as a team has a broad scope, not only of self-employment but creating job opportunities for a large number of people who will be working with the Architects.

There is an increasing recognition today of Architecture as an intellectual discipline, both as an Art and as a Profession.

The program is intended to reinforce intellectual capabilities and develop proficiency in professional scheme to enable graduates to completely pursue alternative career with in the broad spectrum of Architecture.

Monitoring the students and their potential during the college fests, NASA and ZONASA we decided to introduce ELECTIVES from the very first semester and in different genre so that the students have a very fair chance to chose from a broad spectrum of subjects that emulate their field of interest.

Secondly we have also introduced HUMANITIES the first semester because in the humanistic disciplines educate about man and what factors makes him different from other entities. The humanistic disciplines are therefore philosophy, history, language, literature and theology.

Historically, movements in architecture have been in sync with the spirit of the place, to help the metamorphosis of society into a different system of thinking. This was only attainable because of the "humanities in architecture" - which gave the science of building a holistic manifestation and embodied the essence of existence and time. So the students will understand and respect the vernacular architecture and will also form a strong foundation to understand sustainability.

The allied subjects also called the ELECTIVES are introduced to permutate the horizon of the budding architects. "Learning by Doing" remains the primary method of architectural training and keeping this as our prime agenda we divided the electives into three broader categories which included

- Personality Development Subjects
- Skill Enhancement Subjects

An Architect is a complete package from explaining the design concept to attaining a project to completion of a project so enhancing the communication skill to kill the fear of facing a group of people is introduced in the very first semester and so they introduce various subjects that are the result of their own creative mind and in compliance with the core subjects which represent the central learning of architectural education and form the foundation of

professional career in the field of architecture like architectural design, construction & material, Arts & graphics, Architectural drawing, history and communication skills and Humanities (human settlement) to understand evolution and development of architectural and urban built environment in context to geophysical, social and technological factors to understand cultural plurality and each culture's response to place-making.

1. B.ARCH VNIT overall syllabus
2. NIIT Hamirpur syllabus
3. SPA Vijaywada
4. SPA Delhi
5. University of Mumbai, syllabus
6. Jadavpur Kolkata
7. Goa college of Architecture

Other than the environment conscious subjects the core subjects which form the basis of Architectural curriculum like estimation and specification and working drawing and elaborative study of services are duly and properly formulated in the curriculum.

The educational program so designed intends to concoct an architect who is well aware of new contemporary subjects without losing hold on the basic core subjects.

Technical soundness is one of the most fundamental requisite of an architect so all the elemental to higher semesters are supported with Architectural structures and the students are guided by experts in the field.

4. CONCLUSION

With the increasing technological advancement environmental aspect cannot be ignored so to convey students about the sustainability parameters and how they work a broad information should be delivered to them beforehand in basic semesters so the subject of environmental science has been introduced in the first semester.

The faculty, through extended deliberation evolved a theme, "Environment Sensitive Architecture", for the College to focus its academic activities by and make the students aware of timeless qualities of Architecture on one hand and the need, on the other hand, to reinterpret these in the context of present at the beginning of the 21st. century.

5. ACKNOWLEDGMENTS

Being a part of the architectural field for fifteen years the journey which still continues I have understood how crucial the correct direction of architectural education for a budding architect is. The curriculum does the appropriate groundwork for accomplishing the goal of making a complete architect. I am immensely grateful to the dean of our School of Architecture & Planning who gave me an opportunity to be a part of the core team to formulate the syllabus of B. Arch program.

6. REFERENCES