



**Bharati Vidyapeeth**  
**COLLEGE OF ARCHITECTURE**

Affiliated to the University of Mumbai



Founder :  
**Dr. Patangrao Kadam**  
M.A., L.L.B., Ph.D.

Belpada Complex, Opp. Kharghar Rly. Station,  
Sec.7, C. B. D. Belapur, Navi Mumbai- 400 614 - India

Principal  
**Prof. Satish Dhale**  
(G.D.D.I.D., P.G.D.I.D., IIA, M.Sc.ID, M.Arch)

Ref. No. : BV / COA / N.M. /

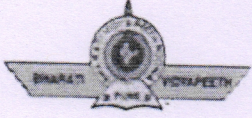
Date :

**1.3.2**  
**Percentage of students undertaking projects work/  
field work/ internships during this year**

**Programme/ Curriculum/ Syllabus of the Courses**



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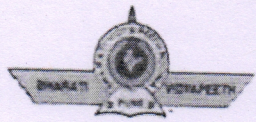
## 1.3.2. Number of courses that include experiential learning through project work/ field work/ internship during the year

### A) 1st year B. Arch. Students undertaking field work (AY 2023-2024) - Site visit and Case study at brick kiln

<b>Name of program:</b> Bachelor of Architecture
<b>Name of course:</b> Architectural Building Construction & Material - I
<b>Aim:</b> - To get a practical experience on the site to understand the details of Brick manufacturing and the examples of Stone Masonry.
<b>Objectives:</b> - <ul style="list-style-type: none"><li>• Students can learn about the various steps involved in making bricks, such as preparing clay, molding, drying, and burning.</li><li>• Students can learn about the types of molds used and air movement.</li><li>• Students can learn about the tunnel kiln method of manufacturing bricks, which is considered to be the most advanced brick making technology.</li><li>• Students can learn about the environmental impact of brick manufacturing, such as the use of fertile topsoil and the emissions from the chimneys.</li><li>• Students can learn about the working conditions of brick kiln workers, which can include forced labor.</li></ul>
<b>Outcome:</b> - Report of site visit including the photographs and detailed explanation about the material and other technical details.



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**Syllabus:-** A Mumbai University syllabus stating the Brick and stone construction study

### 103 Architectural Building Construction & Materials 1

Credits-5

#### Teaching Hours-

Lectures-36 periods of 50 minutes duration- 30 hours  
Studio- 54 periods of 50 minutes duration- 45 hours

#### Scheme of examination

Theory one paper of three hours duration Max. marks- 70 Min marks for passing- 28

#### Sessional marks-

Internal- 80 marks

External ----

#### Building Construction

Elements of buildings -Substructure/ Superstructure  
Understanding role of building elements  
Understanding construction built form & building practice  
Paradigms: load bearing structures, frame structures  
Study of Simple buildings from foundation to roof  
Building construction drawing practices and conventions  
Building details models

#### Building Materials

Contextual relevance- what are buildings made of  
Natural and artificial materials- where they are used  
Materials shall be studied by understanding their PROPERTIES viz. Density & Specific gravity, Strength, Thermal properties etc.  
The study shall strongly emphasize the 'Selection Criteria' comprising various aspects viz. Technology, Aesthetic, Socio-Cultural, Socio-Economic, Ecology (green materials), etc.



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