



VIDYA PRATISHTHAN'S SCHOOL OF ARCHITECTURE, BARAMATI

Criterion 2-Teaching Learning and Evaluation (350)

Key Indicator- 2.6 Student Performance and Learning Outcome (90)

2.6.1. Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated.

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**2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all
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1. Description of the metric





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2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated

Response-

The institute ensures that all of its programs have well-defined learning outcomes, which include both course outcomes and program outcomes. This approach helps students to understand what they will gain from their courses and how these outcomes will contribute to their overall program goals. Additionally, having clearly stated learning outcomes helps the institute to evaluate the effectiveness of its programs and make necessary improvements to enhance students' learning.

The Savitribai Phule Pune University and the Institution emphasize clearly defining the learning outcomes for each of its programs, including both course and program outcomes. These outcomes are readily available to students and faculty members, as they are displayed on the institution's website.

The institute places a high value on ensuring that students understand the learning outcomes of their courses and programs. To achieve this, the institution publishes both Course Outcomes and Program Outcomes on its website, as well as displays them prominently on noticeboards and in studios. Furthermore, these aims are communicated to students throughout orientation and induction programs, as well as during course presentations and teaching and practical plans. In this manner, the students are communicated clearly what they can expect to gain from their courses, while also enabling the institution to continually assess and improve its programs to enhance student learning. The Principal and faculty members take proactive measures to ensure that students are aware of the POs, and COs. This is achieved by providing information and emphasizing the importance of these outcomes during orientation and throughout the course.





VIDYA PRATISHTHAN'S SCHOOL OF ARCHITECTURE, BARAMATI

Additionally, class teachers and mentors also play a crucial role in creating awareness among students about the outcomes and the benefits of attaining them.

The respective course teachers make sure to introduce the course syllabus and learning outcomes to the students during the first lecture of each course.

At our institution, we prioritize efficient delivery and consistent improvement of the program to ensure that our students are well-equipped with the knowledge and skills they need to succeed in the profession. Each course has specific outcomes and evaluation criteria to measure students' progress and success. These outcomes are linked to our program outcomes, which give a quantitative measurement of our programs' effectiveness. By mapping course outcomes to program outcomes, we continually evaluate and improve our programs to provide our students with the best possible education and prepare them for their future careers.

The course outcomes of each subjects in every semester are linked with POs, discussed in faculty meetings, and revised if necessary. The level of attainment of COs and POs is checked through the ERP system. This keeps the entire content delivery and assessment system on track.





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2. Programme Outcomes (Pos)





Vidya Pratishthan's School of Architecture, Baramati

Bachelor of Architecture (B. Arch)

#	Type	ID	Program Outcome
1	PO	PO- 01	Knowledge -Understanding about role of various knowledge domains such as humanities, technology, and environment in design of built environment.
2	PO	PO- 02	Principles and Theory- Knowledge of Principles of Architecture and theoretical knowledge and its application in design
3	PO	PO- 03	Creativity - Creative and design thinking ability.
4	PO	PO- 04	Practice - Ability to understand real life situation of Architectural Practice and to work with ethical and professional responsibilities.
5	PO	PO- 05	Collaborative Working -Ability to communicate effectively and work in interdisciplinary groups.
6	PO	PO- 06	Inclusivity -Sensitivity in design for inclusivity, equity, environment, diverse cultures, and heritage.
7	PO	PO- 07	Technological Knowhow-Ability to review, comprehend and report technological developments in the profession of architecture and construction.
8	PO	PO- 08	Ability to choose Area of Specialisation or Practise- Able to judge one's area of interest and accordingly choose the field of practice.





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3. Subject wise Course Outcomes (Cos) A.Y 2021-2022 Term I & II





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : First Year - Sem-I

Subject : Basic Design(Practical | Regular)

Course Code : 1201901[SS]

Sr. No.	CO Id	Course Outcome
1	CO1	Understanding the elements and principles of design, and further implementing it in creation.
2	CO2	Synthesis of multi-sensory aspects of space.
3	CO3	Understanding the concept of space making.
4	CO4	Applying the learnings from all the units into space making.
5	CO5	Enhancing and channeling creativity.



Vidya Pratishthan's School of Architecture, Baramati

Bachelor of Architecture (B. Arch)

Sem-I

2021-22

1201902 [THEORY] Building Construction and Design I (Practical | regular)

Course Outcome

Sr. No.

CO ID

Course Outcome

1

CO1

To develop a fundamental understanding of basic building elements, their function, and behaviour under various conditions with specific reference to load-bearing construction.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : First Year - Sem-I

Subject : Architectural Graphics and Drawing I(Practical | Regular)

Course Code : 1201905 [SS]

Sr. No.	CO Id	Course Outcome
1	CO1	Students at the end of the Semester should be able to comprehend and express nuances of graphic language through various methods learned.
2	CO2	Students should be able to communicate various ideas through Architectural Graphic representations including building plans and sections (drafting and sketching).



Vidya Pratishthan's School of Architecture, Baramati

Bachelor of Architecture (B. Arch)

Sem-I

2021-22

1201907 [SS] Communication Skills (Theory | regular)

Course Outcome

Sr. No.

CO ID

Course Outcome

1

CO1

At the end of the course the student should be able to communicate fluently in English language and also use tools of communication such as written and graphical for effective communication.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : First Year - Sem-I

Subject : THEORY OF STRUCTURES I (Theory | Regular)

Course Code : 1201904

Sr. No.	CO Id	Course Outcome
1	CO1	The understanding of building/structure as a system of forces and transfer of forces/load from roof to foundation and soil
2	CO2	The understanding of various loads acting on a structure
3	CO3	The understanding of behaviour of elements like walls, beams and columns subjected to tension, compression, shear and bending.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : First Year - Sem-I

Subject : Workshop I(Practical | Regular)

Sr. No.	CO Id	Course Outcome
1	CO 1	To enable students to understand significance and use of different materials in model making in Architecture.
2	CO 2	To Introduce students to the Significance of Model making in Architecture in exploring and representing Massing, form of buildings and spaces
3	CO 3	Students should be able to understand various basic model making techniques and materials their relationship and its use in architectural model making.



Vidya Pratishthan's School of Architecture, Baramati

Bachelor of Architecture (B. Arch)

Sem-II

2021-22

Architectural Design I (Practical | regular)

Course Outcome

Sr. No.	CO ID	Course Outcome
1	CO 1	The student would be able to analyze simple spaces, identify factors affecting their design and be able to design a simple space for human use.
2	CO 2	Studying and understanding anthropometry and applying the same while designing spaces.
3	CO 3	To introduce to the aspects of decision making such as anthropometry, climate, form, function, structure and material. To understand experiential quality of space.
4	CO 4	To comprehensively understand the role of socio cultural and geographical factors in shaping of rural settlements and architecture.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : First Year - Sem-II

Subject : Building Construction and Material II(Practical | Regular)

Course Code : 1201910

Sr. No.	CO Id	Course Outcome
1	CO1	To develop a fundamental understanding of basic building elements, their function and behaviour under various conditions with specific reference to Timber construction.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : First Year - Sem-II

Subject : THEORY OF STRUCTURES II(Theory | Regular)

Course Code : 1201912

Sr. No.	CO Id	Course Outcome
1	CO1	To Study S.F.D and B.M.D of Overhanging Beams
2	CO2	To Introduce Lattice Constructions
3	CO3	To Study the Effect of Forces on a Spanning Members
4	CO4	To Understand Compression Members



Vidya Pratishthan's School of Architecture, Baramati

Bachelor of Architecture (B. Arch)

Sem-II

2021-22

Architectural Graphics and Drawing II (Practical | regular)

Course Outcome

Sr. No.	CO ID	Course Outcome
1	CO 1	To enable the students to understand and express Composite three-Dimensional objects and buildings formed by additive and interpenetrated solids using various graphical projection systems including sections.
2	CO 2	To enable the students to communicate an architectural idea / proposal in a legible and effective manner through perspective projections.
3	CO 3	Use of shades and shadows, and various architectural presentation and rendering techniques for Sciography.



Vidya Pratishthan's School of Architecture, Baramati

Bachelor of Architecture (B. Arch)

Sem-II

2021-22

1201915 [SS] Fundamentals of Architecture (Theory | regular)

Course Outcome

Sr. No.

CO ID

Course Outcome

1

CO1

The students should be well versed to the field of architecture, its scope and fundamentals.



Vidya Pratishthan's School of Architecture, Baramati

Bachelor of Architecture (B. Arch)

Sem-II

2021-22

Workshop II (Practical | regular)

Course Outcome

Sr. No.	CO ID	Course Outcome
1	CO 1	Introduction to advanced various materials and the techniques to make Architectural Models.
2	CO 2	Introducing 3D Modeling of simple and composite objects as an exploratory tool and representing massing, form of building and spaces.
3	CO 3	Use of various materials such as wood, Clay and Plaster of Paris the techniques to make Architectural Design Models.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Second Year - Sem-III

Subject : Architectural Design II(Practical | Regular)

Course Code : 2201917(SV)

Sr. No.	CO Id	Course Outcome
1	CO1	At the end of the course, the student is equipped to take design decisions by considering various aspects.
2	CO2	Students should methodically evolve a design and communicate it in form of 2D and 3D representations.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Second Year - Sem-III

Subject : Building Construction and Material III(Practical | Regular)

Course Code : 2201918, 2201919

Sr. No.	CO Id	Course Outcome
1	CO1	Students will develop a basic understanding of the relationship of materials to construction systems, techniques and methodology with specific reference to reinforce cement concrete construction.
2	CO2	Student will understand the concepts of concrete as a building construction material.
3	CO3	To understand the basic principal of RCC construction and design.



Vidya Pratishthan's School of Architecture, Baramati

Bachelor of Architecture (B. Arch)

Sem-III

2021-22

2201920(P) Theory of Structures III (Theory | regular)

Course Outcome

Sr. No.	CO ID	Course Outcome
1	CO1	To Understand Fixity and Continuity. To understand the action of Torsion
2	CO2	To Understand Loading on Buildings and Different Design Methodologies.
3	CO3	To Understand Wood as a Material, as a Structural Material and to Design Wooden Beams.
4	CO4	To Understand Concrete as a Material and To Design small spanned R.C.C Super Structures





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Second Year - Sem-III

Subject : Computer Aided Drawing and Graphics(Practical | Regular)

Course Code : 2201921(SS)

Sr. No.	CO Id	Course Outcome
1	CO1	Students should be able to comprehend and express nuances of graphic language through various presentation techniques and methods learnt.
2	CO2	Students should be able to communicate various ideas through architectural graphic representations (drafting and sketching).





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Second Year - Sem-III

Subject : Climatology(Theory | Regular)

Course Code : 2201925 [SS]

Sr. No.	CO Id	Course Outcome
1	CO1	Students should be able to understand climate as a determinant of architectural design and to enable the students to evolve climate responsive design.



Vidya Pratishthan's School of Architecture, Baramati

Bachelor of Architecture (B. Arch)

Sem-III

2021-22

2201922[SS] History of Architecture and
Culture III (Theory | regular)

Course Outcome

Sr. No.	CO ID	Course Outcome
1	CO1	To understand the development of European architecture through the historical period till 17th century AD.
2	CO2	To understand the relationship of religion and society with architecture
3	CO3	To understand the drivers of change, revival, and evolution of architecture





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Second Year - Sem-III

Subject : Building Services I(Theory | Regular)

Course Code : 2201923 [P]

Sr. No.	CO Id	Course Outcome
1	CO1	To make students understand the Plumbing scope in the MEP services integration.
2	CO2	To introduce students to following Plumbing Services in low, medium and high rise buildings and inculcate them the integration of services required in architectural design.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Second Year - Sem-IV

Subject : Architectural Design III(Practical | Regular)

Course Code : 2201926(sv)

Sr. No.	CO Id	Course Outcome
1	CO1	At the end of the course, the student is equipped to take design decisions by considering various aspects and methodically evolve a design where two or more buildings are to be planned on a site and communicate it in form of 2D and 3D representations.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Second Year - Sem-IV

Subject : Building Construction and Material IV(Practical | Regular)

Course Code : 2201927(P)

Sr. No.	CO Id	Course Outcome
1	CO1	To understand basic principles of RCC construction w.r.t. Cantilever slabs, Staircase.
2	CO2	To introduce students to vertical transportation systems.
3	CO3	To make student understand details and Conceptual of Damp & Water-proofing.
4	CO4	To make student understand working and details of sliding doors and windows.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Second Year - Sem-IV

Subject : Theory of Structures IV(Theory | Regular)

Course Code : 2201929

Sr. No.	CO Id	Course Outcome
1	CO1	Course outcome for reinforced concrete structures 1. The understanding of supporting Balconies and Staircases 2. The Understanding of Dividing Larger Rooms in Smaller One Way or Two Way Slab Units





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Second Year - Sem-IV

Subject : Environmental Science(Theory | Regular)

Course Code : 2201930(SS)

Sr. No.	CO Id	Course Outcome
1	CO1	Students should be able to grasp the interdisciplinary nature of environment science and its interdependence on development and society. They should be able to think holistically about environment when taken architectural design decisions.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Second Year - Sem-IV

Subject : Building Services II(Theory | Regular)

Course Code : 2201932(P)

Sr. No.	CO Id	Course Outcome
1	CO1	Students should be able to understand basic principles of daylight and artificial lighting and should be able to design a lighting plan for a space.
2	CO2	Students should be able to calculate the energy requirement of building electrical systems. Students should be able to identify space requirements and the integration of these systems in architectural design.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Second Year - Sem-IV

Subject : Site Survey and Analysis(Practical | Regular)

Sr. No.	CO Id	Course Outcome
1	CO1	To introduce students to the various factors related to Site Survey and Analysis relevant to Architectural Site Planning
2	CO2	To enable the students to get conversant with locating the object positions in horizontal and vertical plane.
3	C03	To prepare and interpret survey drawings
4	CO4	To develop an understanding of contours and grading for Site development
5	CO5	To analyze physical, socio-cultural and contextual parameters of the site enabling Site planning





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Third Year - Sem-VI

Subject : Architectural Design V(Practical | Regular)

Course Code : 3201944[SV] 3201945[

Sr. No.	CO Id	Course Outcome
1	CO 1	Student should be able to build competency and ability to make communicative architectural drawings that are of readable scales, preferably in: 1:200 (Site level drawings & Model) 1:100 (Cluster level drawings) Appropriate details to be explored at 1:50/20/10 etc.
2	CO 2	Be able to negotiate various scales in drawings and models
3	CO 3	Be equipped to resolve structural systems of various construction techniques and services.
4	CO 4	Students should be able to understand various aspects of Architectural design from preparation of design brief to final outcome in a project that involves Campus Designing
5	CO 5	Students should be able to understand the technicalities of designing a built environment considering the arrangement of built and unbuilt spaces and user activity analysis.
6	CO 6	Student should develop the ability to understand the concept and principles of universal design thereby sensitizing towards accessible design concept.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Third Year - Sem-VI

Subject : Building Construction and Materials V(Practical | Regular)

Course Code : 3201946 (SV)

Sr. No.	CO Id	Course Outcome
1	CO1	Understanding of properties of ferrous and non ferrous metals as materials for buildings will enable students to use Steel innovatively in building projects.
2	CO2	Students will develop an understanding of possibilities of steel as an important building construction material.



Vidya Pratishthan's School of Architecture, Baramati

Bachelor of Architecture (B. Arch)

Sem-V

2021-22

3201938(P) Theory of Structures V (Theory | regular)

Course Outcome

Sr. No.	CO ID	Course Outcome
1	CO1	To Understand Doubly Reinforced Beams, T and L Beams and to adopt span to depth ratios for them.
2	CO2	To Understand Design of columns across multiple floors changing grade and percentage of steel and grade of concrete.
3	CO3	To understand how to increase M.R of girders and Load carrying capacity of Stanchions
4	CO4	To study alternative methods of spanning vis-





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Third Year - Sem-V

Subject : Elective I (Contemporary Architecture)(Theory | Regular)

Course Code : 3201940 [SS]

Sr. No.	CO Id	Course Outcome
1	CO 01	Application of the knowledge gained through the study of history of architecture to analyze contemporary architecture.
2	CO 02	Development of individual view point and construction of an argument to put it across.
3	CO 03	Skill of orally presenting a topic of choice, and generating a discussion.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Third Year - Sem-V

Subject : Working Drawing I(Practical | Regular)

Course Code : 3201943(SS)

Sr. No.	CO Id	Course Outcome
1	CO 01	student should be able to prepare working drawings of an architectural project
2	CO 02	Imbibe the significance of working drawings from the point of view of execution of the work on site
3	CO3	Student should able to prepare Graphical presentation of all the components of a building along with dimensioning and annotations.
4	CO4	Student should able to Understand and apply methods of preparing a working drawing along with tabulation of schedules of materials, finishes and hardware



Vidya Pratishthan's School of Architecture, Baramati

Bachelor of Architecture (B. Arch)

Sem-V

2021-22

3201935 [SV] ARCHITECTURAL DESIGN
IV (Practical | regular)

Course Outcome

Sr. No.	CO ID	Course Outcome
1	CO 1	Student should be able to build competency and ability to make communicative architectural drawings that are of readable scales, preferably in: 1:200 (Site level drawings & Model) 1:100 (Cluster level drawings) Appropriate details to be explored at 1:50/20/10 etc.
2	CO 2	Be able to negotiate various scales in drawings and models
3	CO 3	Be equipped to resolve structural systems of various construction techniques and services.
4	CO 4	Students should be able to understand various aspects of Architectural design from preparation of design brief to final outcome in a project that involves Campus Designing
5	CO 5	Students should be able to understand the technicalities of designing a built environment considering the arrangement of built and unbuilt spaces and user activity analysis.
6	CO 6	Student should develop the ability to understand the concept and principles of universal design thereby sensitizing towards accessible design concept.



Vidya Pratishthan's School of Architecture, Baramati

Bachelor of Architecture (B. Arch)

Sem-VI

2021-22

3201946 (SV) Building Construction and Materials VI (Practical | regular)

Course Outcome

Sr. No.	CO ID	Course Outcome
1	CO1	Understanding of properties of ferrous and non ferrous metals as materials for buildings will enable students to use Steel innovatively in building projects.
2	CO2	Students will develop an understanding of possibilities of steel as an important building construction material.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Third Year - Sem-VI

Subject : Theory of Structures VI(Theory | Regular)

Sr. No.	CO Id	Course Outcome
1	CO1	To study the effect of Lateral Pressure of Soil and Water for increasing heights.
2	CO2	To Develop in Students the Feel for Structural Principles and their Relates to Building Design.
3	CO3	To Develop in Students the Mathematical logic that would enable them to Design the Structural System for Ground +2 Storey R.C.C Structure and a medium span Factory Building in steel





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Third Year - Sem-VI

Subject : Research in Architecture-I (2019 Pattern)(Theory | Regular)

Course Code : 3201948 [SS]

Sr. No.	CO Id	Course Outcome
1	CO1	To introduce students to Research in Architecture and its value in design
2	CO2	To enable the students to prepare a research proposal.



Vidya Pratishthan's School of Architecture, Baramati

Bachelor of Architecture (B. Arch)

Sem-VI

2021-22

3201950 Building Services IV (Theory |
regular)

Course Outcome

Sr. No.	CO ID	Course Outcome
1	CO1	To comprehend building services as an integral part of the architectural design process
2	CO2	Provisions for fire prevention, life safety and fire protection as per NBC 2016-Part 4





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Third Year - Sem-VI

Subject : Working Drawing II(Practical | Regular)

Course Code : 3201952 [SS]

Sr. No.	CO Id	Course Outcome
1	CO1	Developing and drafting details of Civil work
2	CO2	Developing and drafting details of furniture/ interior design including schedule of finishes
3	CO3	Generating a working drawing set for the chosen design/ building with framed/composite construction including schedules of material, finishes, components and accessories
4	CO4	Design development and detailing of own design to resolve the design idea to one which can be executed/ constructed, exposing students to construction parameters, limitation and sequencing.
5	CO5	Lecture demonstration/s to elaborate on standard practices, conventions, graphic annotations, sequencing and cross reference systems of a good working drawing set.



Vidya Pratishthan's School of Architecture, Baramati

Bachelor of Architecture (B. Arch)

Sem-VII

2021-22

4201554 (SV) Design VII (Practical | regular)

Course Outcome

Sr. No.

CO ID

Course Outcome

1

CO1

Students should understand design a mixed-use, multifamily residential group Housing by addressing various challenges in terms of scale, Complexity of function, Social-economic context, and traffic and vehicular Movement along with challenges of physical issues addressing special and visual language with reference to urban Context.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Fourth Year - Sem-VII

Subject : Advanced Building Technology and Services I(Practical | Regular)

Course Code : 4201555 (SV)

Sr. No.	CO Id	Course Outcome
1	CO1	To make students introduce advanced structural systems, materials and services required in buildings with complex and special requirements and enable the students to integrate the same in design.



Vidya Pratishthan's School of Architecture, Baramati

Bachelor of Architecture (B. Arch)

Sem-VII

2021-22

4201556(PP) PROFESSIONAL PRACTICE I (Theory | regular)

Course Outcome

Sr. No.	CO ID	Course Outcome
1	CO 01	To acquaint the Student with the Role and Stature of an Architect in Society, and understand the duties, responsibilities, liabilities, and ethics as a professional.
2	CO 02	To acquaint the Student with the Scope and Avenues of professional Architectural services, and the demands and Mode of professional practice, and to prepare the Student for the professional field.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Fourth Year - Sem-VII

Subject : Urban Studies I(Practical | Regular)

Course Code : 4201557 (SS)

Sr. No.	CO Id	Course Outcome
1	CO1	Introduction to urban studies and relevance of its learning in Architecture profession. Principles and theories of Urban Planning and Urban Design.
2	CO2	Urban residential developments such as neighborhood planning, high-rise housing, slum rehabilitation, public housing, town planning schemes etc
3	CO3	Understanding Affordable housing: introduction and concepts.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Fourth Year - Sem-VII

Subject : Research in Architecture I(Theory | Regular)

Sr. No.	CO Id	Course Outcome
1	CO 01	Student should be able to understand the importance of Research in Architecture and its value in Architectural Design





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Fourth Year - Sem-VII

Subject : Quantity Surveying And Estimation - I(Theory | Regular)

Course Code : 4201559(PP)

Sr. No.	CO Id	Course Outcome
1	CO1	To Introduce Estimation as an important Subject for Architecture.
2	CO2	To Understand Different methods of Computing Quantities for items of work in a structure.
3	CO3	To enable students in working out quantities of various items of work for simple load bearing and R.C.C. framed structure and acquaint them with various types of estimates including standard method of measurement on building works and mode of measurements as adopted by I.S 1200.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Fourth Year - Sem-VII

Subject : Specification Writing I(Theory | Regular)

Course Code : 4201560 PP

Sr. No.	CO Id	Course Outcome
1	CO1	To acquaint students with methodology of writing specifications with reference to building trades, materials, workmanship & performance of different items of work.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Fourth Year - Sem-VII

Subject : Elective-II (Design and Technology)(Practical | Regular)

Course Code : 4201561(SS)

Sr. No.	CO Id	Course Outcome
1	CO1	The Design and technology elective aims at exploring the recent developments in the field of architecture from point of view of building design, services and construction. Aspects such as disaster resistance, accessibility, retrofitting, conservation, architectural design theory, can be addressed through these electives.



Vidya Pratishthan's School of Architecture, Baramati

Bachelor of Architecture (B. Arch)

Sem-VIII

2021-22

4201562(SV) Design VIII (Practical | regular)

Course Outcome

Sr. No.	CO ID	Course Outcome
1	CO1	Subject aims at preparing the students to handle complex architectural issues at this stage addressing various challenges in terms of scale, complexity of functions, social economic context, traffic and vehicular movement and so on. Along with the challenges of physical issues, students are also now expected to address spatial and visual language of their project with reference to the urban context and setting of their site.





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Fourth Year - Sem-VIII

Subject : Advanced Building Technology and Services II(Practical | Regular)

Course Code : 4201563 (SV)

Sr. No.	CO Id	Course Outcome
1	CO1	To introduce advanced structural systems, materials and services required in buildings with complex and special requirements and enable the students to integrate the same in design.



Vidya Pratishthan's School of Architecture, Baramati

Bachelor of Architecture (B. Arch)

Sem-VIII

2021-22

4201564(PP) PROFESSIONAL PRACTICE II (Theory | regular)

Course Outcome

Sr. No.	CO ID	Course Outcome
1	PPCO1	<p>UNIT1 : Introduction to Construction Management-Types and Systems of Tendering-Open and Invited Tenders- Pre-Qualification and Empanelment Procedures- Selection of Contractors</p> <p>UNIT2 : Articles of Agreement and Conditions of Contract (IIA document) Contents of a Tender- Terms of Reference-Specifications- Bill of Quantities- Billing. Measurement of Work and Payments - Advances and recovery - Bonus and Penalties, etc</p> <p>UNIT 3 : Introduction to National Building Code -ISI Codes and Standards. Limits and Tolerances</p> <p>UNIT 4 : Role of Architects in Construction/Site Management -Supervision and monitoring of speed, Quality and Economy -Status on Project sites- Meetings, Minutes, Instructions & Records</p> <p>UNIT 5 : General Introduction to the Role and Legal duties of Architects in Arbitration and Valuation</p>



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Sem-VIII

2021-22

4201565(SS) Urban Studies II (Practica
I | regular)

Course Outcome

Sr. No.	CO ID	Course Outcome
1	CO1	Study of the Planning process in detail (Survey, analysis, proposals, and development). Conservation and related Urban Design controls. Planning and Urban Design legislation- introduction and its relevance.
2	CO2	Unified Building bye-laws and Development Control rules of local authorities. Urban economics: introduction and concepts (demand and supply, housing finance. Government schemes and various bodies etc.



Vidya Pratishthan's School of Architecture, Baramati

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Sem-VIII

2021-22

Research in Architecture II (Theory | r
egular)

Course Outcome

Sr. No.	CO ID	Course Outcome
1	CO 01	Student should be able to understand the importance of Research in Architecture and its value in Architectural Design
2	CO 02	To prepare students to conduct independent research in Architecture and its Allied fields
3	CO 03	To enable students to undertake research focused on an issue related to the built environment.
4	CO 04	At the end of the semester, student should be able to report research in a technical manner





Vidya Pratishthan's School of Architecture, Baramati

Course Outcome

Year : Fourth Year - Sem-VIII

Subject : Quantity Surveying And Estimation - II(Theory | Regular)

Course Code : 4201567 (PP)

Sr. No.	CO Id	Course Outcome
1	CO1	To enable students in working out quantities for items of plumbing and sanitation work in a structure.
2	CO2	To enable students in working out quantities of various items of work for an Industrial structure and acquaint them for preparing rate analysis and indent of material.





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Course Outcome

Year : Fourth Year - Sem-VIII

Subject : Specification Writing II(Theory | Regular)

Sr. No.	CO Id	Course Outcome
1	CO1	To acquaint students with methodology of writing specifications with reference to service installations of different items of work in construction
2	CO2	To know importance of specifications in contract document for any construction project.





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Course Outcome

Year : Fourth Year - Sem-VIII

Subject : Allied Elective III(Practical | Regular)

Course Code : 4201569 (SS)

Sr. No.	CO Id	Course Outcome
1	CO1	The pace at which resource consumption is increasing in every field, it has become imperative to consider sustainability in all aspects. Buildings are a major consumer of resources through their life time. This has been realized by the nations world over and hence stricter norms and laws for construction are being laid. Buildings are supposed to be more and more efficient and optimal in consuming resources. Such buildings are called sustainable buildings and all buildings will be required to be sustainable. Hence this course becomes important in understanding- 1. The basic parameters of sustainable buildings. 2. Design, Practices and technology which would lead to creation of such buildings. 3. Science behind performance of efficient buildings.



Vidya Pratishthan's School of Architecture, Baramati

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Sem-IX

2021-22

Practical Training (Practical | regular)

Course Outcome

Sr. No.

CO ID

Course Outcome

1

CO 01

Students should undertake practical training under the guidance of experts / professionals



Vidya Pratishthan's School of Architecture, Baramati

Bachelor of Architecture (B. Arch)

Sem-X

2021-22

5201572(SS) Elective IV (Practical | regular)

Course Outcome

Sr. No.	CO ID	Course Outcome
1	PM1	Softskills in Project Management Project Risk Management Project Cost Estimation and Cost Control Contracts and Claims Management Project Procurement and Materials Management Project Quality and Safety Management Introduction to Computer Application in Contract Management

