

COURSE OUTCOME - BACHELOR OF ARCHITECTURE (B. Arch.)
FIRST SEMESTER

Course Code	Course Title	Course Outcome
BAR 101	Architectural Design – I	<ul style="list-style-type: none"> • Orientation of students to the profession of Architecture • Introduction to the fundamentals of basic design and understanding of forms and spaces in architecture
BAR 102	Building Materials & Construction Technology – I	<ul style="list-style-type: none"> • To familiarize the students with various properties, effects of climate and environmental conditions on, and uses of building materials. • To understand the use of traditional building materials in simple building works. • To help students understand the basic building elements, their function and behavior under various conditions with specific reference to "Load Bearing Construction"
BAR 103	Structural Design & Systems– I	<ul style="list-style-type: none"> • To introduce the structural system in a building with all the basic components to understand the the functions of various elements and building technologies used in various types of buildings
BAR 104	Architectural Graphics Skills - Manual – I	<ul style="list-style-type: none"> • To introduce the structural system in a building with all the basic components to understand the the functions of various elements and building technologies used in various types of buildings
BAR 105	Basic Design & Visual Arts -I	<ul style="list-style-type: none"> • Introduction to Art and appreciation of art and its philosophies • Familiarize with principles and theories of arts and architectural composition • Development of art and graphic skills
BAR 106	History of Architecture, Art & Culture – I	<ul style="list-style-type: none"> • Introduction to Architectural elements, forms, development trends, characteristics of construction techniques and technologies, buildings, civilization transformation over the time period • Familiarize with the socio-economic, historical, political influences of time period in Architectural development. Identify the buildings and the major works of the period.
BAR 107	Visual Arts & Appreciation	<ul style="list-style-type: none"> • The course will enable the students to develop an understanding of the elements of art, a basic vocabulary for describing visual art, a general understanding of the role art has played throughout Western history, and contemporary trends.
BAR 120	Architectural Workshop – Model Making	<ul style="list-style-type: none"> • To develop the skills in making models out of different materials • Understanding the scale and proportion of objects
BAR 108	Environment Studies – I	<ul style="list-style-type: none"> • The term environment is used to describe, in the aggregate, all the external forces, influences and conditions, which affect the life, nature, behaviour and the growth, development and maturity of living organisms. At present a great number of environment issues, have grown in size and complexity day by day, threatening the survival of mankind on earth. A study of environmental studies is quite essential in all types of environmental sciences, environmental engineering and industrial management. The objective of environmental studies is to enlighten the masses about the importance of the protection and conservation of our environment, and control of human activities which has an adverse effect on the environment.

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Gwalior**

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Ashish
 (An Ashish Sharma)

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Manoj Kumar S. GUPTA
 (AR. MONIKA S. GUPTA)

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Pooja
 (An. Pooja Gupta)

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BAR 140	English Language	<ul style="list-style-type: none"> The course is intended to give a foundation of English Language. The literary texts are indented to help students to inculcate creative & aesthetic sensitivity and critical faculty through comprehension, appreciation and analysis of the prescribed literary texts. It will also help them to respond form different perspectives
BAR 143	Behavioural Science – I	<ul style="list-style-type: none"> Understanding self & process of self exploration Learning strategies for development of a healthy self esteem Importance of attitudes and its effective on personality Building Emotional Competency
BAR 144 BAR 145 BAR 146 BAR 147 BAR 148	Foreign Language - I French German Spanish Japanese Chinese	To familiarize the students with the French language <ul style="list-style-type: none"> with the phonetic system with the syntax with the manners with the cultural aspects

SECOND SEMESTER

Course Code	Course Title	Course Outcome
BAR 201	Architectural Design – II	<ul style="list-style-type: none"> To enhance the students' understanding regarding inter-relation of various simple functions and circulation and movement of vehicles with clear concepts of connectivity. Introduction to the commercial activity spaces with multiple functions, forms and movement.
BAR 202	Building Materials & Construction Technology – II	<ul style="list-style-type: none"> To acquaint the students to building materials such as Timber, Reinforced Concrete and Reinforced Brick work, Steel and the effects of climate and environmental conditions on these. To familiarize the students with construction techniques for use of the above materials in building works.
BAR 203	Structural Design and Systems – II	<ul style="list-style-type: none"> To understand the basic principles of structural system so that it forms the basis for study of structural design. To help students to understand the basic principles of structural behavior and requirements of buildings with emphasis laid on the principles of various load distribution in beams and columns.
BAR 204	Architectural Graphics Skills - Manual – II	<ul style="list-style-type: none"> Understanding of the period in term of its location, climate as well as the socio-cultural historical, economical and political influences of the time Study of the building types and development of architectural form with examples that identify the works of the period
BAR 205	Basic Design and Visual Arts – II	<ul style="list-style-type: none"> Introduction to Art and appreciation of art and its philosophies Familiarize with principles and theories of arts and architectural composition Development of art and graphic skills.
BAR 206	History of Architecture, Art & Culture – II	<ul style="list-style-type: none"> Understanding of the period in term of its location, climate as well as the socio-cultural historical, economical and political influences of the time. Study of the building types and development of architectural form with examples that identify the works of the period
BAR 207	Computer Applications – I	<ul style="list-style-type: none"> To introduce various software to the students helping them in compilation of then text reports etc. To enable the students to understand the role of various data storing devices such as scanners Digitizers etc. and their applications

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BAR 220	Workshop Practice – Furniture Design	<ul style="list-style-type: none"> To provide knowledge about analysis of existing piece of furniture in its functional & technical aspects. Materials used for furniture design and their properties. Design of simple furniture based on ergonomic, anthropometric, aesthetic and economical considerations.
BAR 208	Environment Studies – II	<ul style="list-style-type: none"> The term environment is used to describe, in the aggregate, all the external forces, influences and conditions, which affect the life, nature, behaviour and the growth, development and maturity of living organisms. At present a great number of environment issues, have grown in size and complexity day by day, threatening the survival of mankind on earth. A study of environmental studies is quite essential in all types of environmental sciences, environmental engineering and industrial management. The objective of environmental studies is to enlighten the masses about the importance of the protection and conservation of our environment and control of human activities which has an adverse effect on the environment.
BAR 241	Communication Skills	<ul style="list-style-type: none"> The course is intended to give a foundation of English Language. The literary texts are indented to help students to inculcate creative & aesthetic sensitivity and critical faculty through comprehension, appreciation and analysis of the prescribed literary texts. It will also help them to respond form different perspectives.
BAR 243	Behavioural Science – II	<p>To enable the students:</p> <ul style="list-style-type: none"> Understand the process of problem solving and creative thinking. Facilitation and enhancement of skills required for decision-making.
BAR 244 BAR 245 BAR 246 BAR 247 BAR 248	Foreign Language - II French German Spanish Japanese Chinese	<ul style="list-style-type: none"> To enable the students to overcome the fear of speaking a foreign language and take position as a foreigner speaking French. To make them learn the basic rules of French Grammar

SUMMER PROJECT – I THIRD SEMESTER

Course Code	Course Title	Course Outcome
BAR 301	Architectural Design – III	<ul style="list-style-type: none"> To work on multi utility, multiple user based, multi level public/ semi public building of specific scale covering an area of 1500-2000 sqm on site. Understanding the theoretical and practical aspects of building design as per the specified scale and complexity with a three dimensional form development
BAR 302	Building Materials & Construction Technology – III	<ul style="list-style-type: none"> To acquaint students with currently used wood alternatives for interior works and their applicability. Used construction details for conventional staircases and steel windows. To familiarize the students with construction techniques for use of the above materials in building works and effects of climate and environmental conditions on these
BAR 303	Structural Design and Systems – III	<ul style="list-style-type: none"> To understand an informal choice regarding the most appropriate structural system for the building design due to different types of loading. Provide a basic understanding about the structural modeling and research techniques in the field of Architecture.
BAR 304	Architectural Graphics Skills - Manual – III	<ul style="list-style-type: none"> To familiarize the students with theoretical, practical and pictorial aspects of architectural drawing. To introduce the graphic treatment of two and three-dimensional drawing. Perception development and

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		presentation of simple architectural forms of buildings
BAR 305	Basic Design & Visual Arts - III	<ul style="list-style-type: none"> • Introduction to Art and appreciation of art and its philosophies • Development of sensitivity towards sculpture and mural as an integral part of architecture.
BAR 306	Surveying & Leveling	<ul style="list-style-type: none"> • Course is aimed to impart basic surveying principles and skills commonly needed in the planning of projects. • Demonstrate the role and application of modern surveying techniques and technologies.
BAR 307	History of Architecture, Art & Culture – III	<ul style="list-style-type: none"> • Understanding the world architecture during the Greek, Roman and Romanesque Period, Study of specific Architectural characteristics and their origin in above mentioned period
BAR 355	Seminar, Guest Lecture & Workshop for Skill Development	<ul style="list-style-type: none"> • Introduce students to the research based project and its analysis • Presentation of work in front of jury
BAR 341	Effective Written Communication	<ul style="list-style-type: none"> • To form written communication strategies necessary in the workplace
BAR 343	Behavioural Science – III	<ul style="list-style-type: none"> • Enhancing personal effectiveness and performance through effective interpersonal communication • Enhancing their conflict management and negotiation skills
BAR 344 BAR 345 BAR 346 BAR 347 BAR 348	Foreign Language - III French German Spanish Japanese Chinese	<ul style="list-style-type: none"> • To master the current social communication skills in oral and in written. • To enrich the formulations, the linguistic tools and vary the sentence construction without repetition
BAR 360	Summer Project – I (Evaluation)	<ul style="list-style-type: none"> • Research experience is as close to a professional problem-solving activity as anything in the curriculum. It provides exposure to research methodology and an opportunity to work closely with a faculty guide. It usually requires the use of advanced concepts, a variety of experimental techniques, and state-of-the-art instrumentation. • Research is genuine exploration of the unknown that leads to new knowledge which often warrants publication. But whether or not the results of a research project are publishable, the project should be communicated in the form of a research report written by the student.

FOURTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 401	Architectural Design – IV	<ul style="list-style-type: none"> • To work on context based design problem also considering cost effective building technology and earthquake resistant structure. • Understanding the theoretical and practical aspects of building design as per the specified scale and complexity with a three dimensional form development
BAR 402	Building Materials & Construction Technology – IV	<ul style="list-style-type: none"> • To understand and detail staircases in alternative materials • To acquaint students to flooring and false ceiling materials and their detailing. • To apply previously gained detailing knowledge and design skills for gates and railing designs.

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BAR 403	Structural Design & Systems – IV	<ul style="list-style-type: none"> To understand rational basis of the design of reinforced concrete members and structures through advanced materials and structural behavior. Enable students to undertake problems, identify, formulate and solve the critical thought, rational inquiry and self-directed learning.
BAR 404	Architectural Graphics Skills – IV – Computer Aided	<ul style="list-style-type: none"> To introduce various software to the students helping them in compilation of then text reports etc. To train students in drafting and presentation techniques using computers
BAR 405	Architectural Climatology	<ul style="list-style-type: none"> To acquaint students to various concepts of climate analysis and its use in Architecture. To familiarize students with human thermal comfort as an essential function of building
BAR 406	Building Services - I (Water Supply & Sanitation)	<ul style="list-style-type: none"> To acquaint students to basic principles of water supply, sanitation and plumbing bye laws. To assist them in design of plumbing systems at building level for different building typologies
BAR 407	History of Human Settlements & Vernacular Architecture	<ul style="list-style-type: none"> Understanding the world architecture during the Gothic, Renaissance and Baroque Period; Study of specific Architectural characteristics and their origin in above-mentioned period.
BAR 408	Building Bye - Laws & Codes Practices	<ul style="list-style-type: none"> To study the development controls as applicable to building design. To acquaint the students to compulsory building bye-laws and permits.
BAR 441	Professional Communication	<ul style="list-style-type: none"> To teach the participants strategies for improving academic reading and writing. Emphasis is placed on increasing fluency, deepening vocabulary, and refining academic language proficiency
BAR 443	Behavioural Science – IV	<ul style="list-style-type: none"> To understand the basis of interpersonal relationship To understand various communication style To learn the strategies for effective interpersonal relationship
BAR 444 BAR 445 BAR 446 BAR 447 BAR 448	Foreign Language - IV French German Spanish Japanese Chinese	<ul style="list-style-type: none"> To develop strategies of comprehension of texts of different origin To present facts, projects, plans with precision

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FIFTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 501	Architectural Design –V	<ul style="list-style-type: none"> To work on context based design problem considering Energy Efficient buildings. Understanding the theoretical and practical aspects of building design as per the different energy efficient details and technology.
BAR 502	Building Materials & Construction Technology – V	<ul style="list-style-type: none"> Understanding the new alternative building materials with alternate construction technology in building construction. Use of different building materials for different types of building construction and effects of climate and environmental conditions on these.
BAR 503	Structural Design & Systems – V	<ul style="list-style-type: none"> To understand the analysis of in-determinant structures and their use in field in greater depth.
BAR 504	Architectural Graphics Skills – V – Computer Aided	<ul style="list-style-type: none"> To introduce various software to the students helping them in compilation of then text reports etc. To train students in drafting and presentation techniques using computers.
BAR 505	Interior Design	<ul style="list-style-type: none"> To initiate students into theory and practice of Interior Design Understanding the theoretical and practical aspects of designing the interiors of a building
BAR 506	Building Services – II (Electrical System, HVAC & Acoustics)	<ul style="list-style-type: none"> Integration of electrical system with building design & application of indoor and outdoor lighting in appropriate way in building planning and designing. To expose the students to the areas of air-conditioning, heating and ventilation To initiate students into theory and practice of Acoustics
BAR 520	Workshop Practice & Site Exposure	<ul style="list-style-type: none"> To familiarize students with building construction practices, technology & sequencing for various items of works ranging sub structures, super structures, finishes and services installation
BAR 507	Landscape & Environmental Studies	<ul style="list-style-type: none"> To acquaint the student with the various natural elements used to design transitional and outside spaces and establish a linkage between nature and the built environment
BAR 541	Receptive and Expressive Communication Skills	<ul style="list-style-type: none"> To equip the participant with linguistic skills required in the field of science and technology while guiding them to excel in their academic field.
BAR 543	Behavioural Science – V	<ul style="list-style-type: none"> To inculcate in the students an elementary level of understanding of group/team functions To develop team spirit and to know the importance of working in teams
BAR 544 BAR 545 BAR 546 BAR 547 BAR 548	Foreign Language – V French German Spanish Japanese Chinese	<ul style="list-style-type: none"> To furnish some basic knowledge of French culture and civiliza for understanding an authentic document and information relating to political and administrative life
BAR 560	Summer Project – II (Evaluation)	<ul style="list-style-type: none"> Research experience is as close to a professional problem-solving activity as anything in the curriculum. It provides exposure to research methodology and an opportunity to work closely with a faculty guide. It usually requires the use of advanced concepts, a variety of experimental techniques, and state-of-the-art instrumentation. Research is genuine exploration of the unknown that leads to new knowledge which often warrants publication. But whether or not the results of a research project are

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		<p>publishable, the project should be communicated in the form of a research report written by the student.</p> <ul style="list-style-type: none"> Sufficient time should be allowed for satisfactory completion of reports, taking into account that initial drafts should be critically analyzed by the faculty guide and corrected by the student at each stage.
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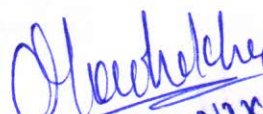
SIXTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 601	Architectural Design – VI	<ul style="list-style-type: none"> Understanding design as a function of specific agenda such as site condition, orientation, climate, circulation and essential services with design
BAR 602	Building Materials & Construction Technology – VI	<ul style="list-style-type: none"> Introduction to advanced structural systems in buildings. Learning construction details of various building parts at advanced level.
BAR 603	Structural Design & Systems – VI	<ul style="list-style-type: none"> To understand the analysis of intermediate structures and their use in field in greater depth.
BAR 604	Architectural Graphics Skills – VI – Computer Aided	<ul style="list-style-type: none"> To introduce various software to the students helping them in compilation of then text reports etc. To train students in drafting and presentation techniques using computers.
BAR 605	Theory of Design	<ul style="list-style-type: none"> Understanding the architectural development in different periods over centuries in history. Understanding the Need, demand and supply in different periods by various great designers.
BAR 606	Specification & Estimation	<ul style="list-style-type: none"> To familiarize the students with the theory and practice of estimation and quantity surveying. To develop the understanding of specification writing
BAR 607	Building Services - III (Fire Safety, Bye-Laws & Mechanical Circulation Systems)	<ul style="list-style-type: none"> To acquaint the student with the fire safety regulation and security systems to be adopted in the buildings. Study the development codes and bye-laws of fire safety regulations.
BAR 608	Construction & Site Management	<ul style="list-style-type: none"> Introduction of networking techniques and construction planning practices. Use of construction equipment and method along with quality control
BAR 641	Social Communication	<ul style="list-style-type: none"> To enhance the skills needed to work in an English-speaking global business environment.
BAR 643	Behavioural Science – VI	<ul style="list-style-type: none"> To develop an understanding the concept of stress its causes, symptoms and consequences. To develop an understanding the consequences of the stress on one's wellness, health, and work performance.
BAR 644 BAR 645 BAR 646 BAR 647 BAR 648	Foreign Language - VI French German Spanish Japanese Chinese	<ul style="list-style-type: none"> To strengthen the language of the students both in oral and written so that they can: express their sentiments, emotions and opinions, reacting to information, situations; Narrate incidents, events ; Perform certain simple communicative tasks.

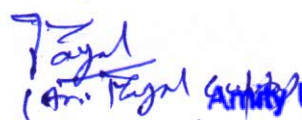
SUMMER PROJECT – III

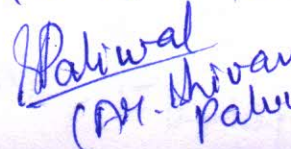

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SEVENTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 701	Architectural Design – VII	<ul style="list-style-type: none">To acquaint the students with large scale housing design along with other land use development in an urban context, phasing and development.To expose the students to advance building services and systems and to urban development regulations, building bye-laws and architectural controls.
BAR 702	Building Materials & Construction Technology – VII	<ul style="list-style-type: none">To acquaint the students with working drawings in construction work.To expose the students to preparation and usage of working drawings on site
BAR 703	Advanced Structural Design & Systems	<ul style="list-style-type: none">To understand the basic of soil mechanics and foundation engineering.To understand the design of steel structures
BAR 704	Advanced Building Services (Electrical systems, HVAC - II)	<ul style="list-style-type: none">Integration of electrical system with building design & application of indoor and outdoor lighting in appropriate way in building planning and designing.To expose the students to the areas of air-conditioning, heating and ventilation in high-rise buildings and others complex situations like hospitals.
BAR 720	Professional Practice – I	<ul style="list-style-type: none">To acquaint the students with the responsibility, scale of charges and Architect's conduct in Architectural practice.To understand the office and administration of an Architect's office, Tenders and contracts
BAR 705	Research & Project Introduction	<ul style="list-style-type: none">Introduce students to the research based project and its analysisTreated as preamble as the base for thesis project done on individual basis so the students could learn to work on research project
BAR 706 BAR 707 BAR 708	Elective – I (Select any One) <ul style="list-style-type: none">Town PlanningHousing & Community DesignArchitectural Conservation	<ul style="list-style-type: none">Introduction to elementary science of town planning principles.Introduction to evaluation and development of town planning through historyTo familiarize the students with various aspects, issues and considerations related to housing design and community planning.To familiarize the students with various aspects of architectural conservation.To understand the role of a conservationist architect.
BAR 709 BAR 710 BAR 711	Elective – II (Select any One) <ul style="list-style-type: none">Energy Conservation ArchitectureUrban DesignDisaster Resistant Architecture	<ul style="list-style-type: none">To familiarize students with principles, techniques and guidelines for planning and design of energy conserving architectureStudy of solar energy systems and other alternative sources of energy being used in architectural applications.Introduction of basic elements, principles and techniques of urban design.To design the urban space in context to the surroundings and environment.To expose the students to the various theoretical and practical aspects of disaster resistant structures.
BAR 741	Workplace Communication	<ul style="list-style-type: none">To facilitate the learner with Academic Language Proficiency and make them effective users of functional language to excel in their profession.
BAR 743	Behavioural Science – VII	<ul style="list-style-type: none">Understand the importance of individual differencesBetter understanding of self in relation to society and nationFacilitation for a meaningful existence and adjustment in societyInculcating patriotism and national pride

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BAR 744 BAR 745 BAR 746 BAR 747 BAR 748	Foreign Language - VII French German Spanish Japanese Chinese	<ul style="list-style-type: none"> Revise the portion covered in the first volume, give proper orientation in communication and culture.
BAR 760	Summer Project – III (Evaluation)	<ul style="list-style-type: none"> Research experience is as close to a professional problem-solving activity as anything in the curriculum. It provides exposure to research methodology and an opportunity to work closely with a faculty guide. It usually requires the use of advanced concepts, a variety of experimental techniques, and state-of-the-art instrumentation. Research is genuine exploration of the unknown that leads to new knowledge which often warrants publication. But whether or not the results of a research project are publishable, the project should be communicated in the form of a research report written by the student. Sufficient time should be allowed for satisfactory completion of reports, taking into account that initial drafts should be critically analyzed by the faculty guide and corrected by the student at each stage.

EIGHTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 860	Project (Thesis)	<ul style="list-style-type: none"> To provide the students an opportunity to research and develop a design scheme for a project of their choice and approved by the school maintaining professional working standards and attain a professional level approach with extensive details. To attain independent professional approach analysis based design projects achieving high level of workability, efficiency and aesthetics in 3-D form with all the services properly worked out.
BAR 801	Advanced Building Materials & Construction Technology – VIII	<ul style="list-style-type: none"> Understanding different technology used in latest construction methods Studying modern construction techniques used.
BAR 850	Professional Practice – II (Tendering, Contracts, Valuation & Arbitration)	<ul style="list-style-type: none"> To acquaint the students with the various roles of an architect as – Project Manager, Valuator and Arbitrator To understand the guidelines specific to architectural competition, land acquisition and Ownership Acts
BAR 802 BAR 803 BAR 804	Elective – III (Select any One) <ul style="list-style-type: none"> Building Economics Intelligent Buildings Ergonomics & Product Design 	<ul style="list-style-type: none"> To understand Architectural projects as an economic function and understanding their evaluation techniques To introduce the concept of intelligent buildings and to acquaint the student with the factors to be taken into consideration to build an intelligent building. To expose the students to the various theoretical and practical aspects of ergonomics and product design
BAR 805 BAR 806 BAR 807	Elective – IV (Select any One) <ul style="list-style-type: none"> Development Legislation Landscape Design Cost Effective Architecture 	<ul style="list-style-type: none"> To study the development controls in architectural building design. To acquaint the students to compulsory building bye-laws and permits To acquaint the student with the various natural elements used to design transitional and outside spaces and establish a linkage between nature and the built environment To familiarize the student with cost-effective construction for building economy

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		<ul style="list-style-type: none"> To develop an understanding of different issues, types and techniques involved in the design and construction of low cost structures
BAR 841	Cross Cultural Communication	<ul style="list-style-type: none"> The modules are designed to enhance the communicative competence of the learners to equip them with efficient interpersonal communication.
BAR 843	Behavioural Science -VIII	<ul style="list-style-type: none"> To have a great deal of insight into one's character. Understanding of positive emotions To explore the dimensions of happiness, well-being, Optimism and hope Quick understanding of different situations and grasp new concepts.
BAR 844 BAR 845 BAR 846 BAR 847 BAR 848	Foreign Language - VIII French German Spanish Japanese Chinese	<ul style="list-style-type: none"> Provide students with the necessary linguistic tools to face up to different situations of communication to enhance their capacity in oral/written comprehension/expression

NINTH SEMESTER & TENTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 050	Practical Training	<ul style="list-style-type: none"> To expose the students to the practical environment and works by working under an Architect. To gain a practical knowledge and involved in all aspects of office works.

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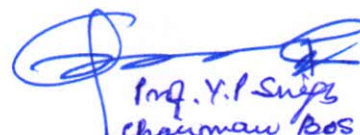
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PROGRAMME STRUCTURE B. I. D. 2015 (4 YEARS)






The courses of studies taught in the semester shall be as per follows:

FIRST SEMESTER

Course Title	Course Outcome
Basic Design Principles	students will learn about the visual composition in an interior space with color schemes, textures, light, shadow etc. Introduction to human dimensions, functions, space – activities, space standards, relationships of a simple single living unit to understand the minimum space requirement by individual to perform various activities.
Materials (Furnishing & Finishes)	students will understand of all the available materials, which are used in designing the various different interior spaces.
Art & Graphics – I	Students will be introduced to art and its appreciation and philosophy. Familiarizing with the principles and theories of graphic composition used in interior design. students will learn designing of interiors spaces with graphic tools i.e. sketching, shading, coloring etc.
Drawing Techniques – I	students will get familiarized with the drawing tools and accessories used in drafting and lettering techniques to produce any geometrical composition and form.
Model Making Workshop	Students will get hands on tools and techniques used for making models out of paper, boards, wood, bamboo, thermo coal, fabrics, clothes, glass, plastic sheets, wire, P.O.P., Clay etc.
Architecture & Interior Design	students will apprise about the role and complexity in interior design with in the larger context of the built environments with special reference to their interiors.
History of Interior Design – I	The students should be able to: the developmental aspects of Interior designing over the time period in different periods of history.
Environmental Studies - I	Students will get to enlighten the masses about the importance of the protection and conservation of our environment and control of human activities which has an adverse effect on the environment.
English Language Usage Essentials	The students should be able to : • Identify Common Errors and Rectify Them • Develop and Expand Writing Skills Through Controlled and Guided Activities • To Develop Coherence, Cohesion and Competence in Oral Discourse through Intelligible Pronunciation.
Understanding Self For Effectiveness	• Understanding self & process of self exploration · Learning strategies for development of a healthy self esteem · Importance of attitudes and its effective on personality · Building Emotional Competency
Foreign Language - I French German Spanish Japanese Chinese	To familiarize the students with the French language · with the phonetic system · with the syntax · with the manners · with the cultural aspects

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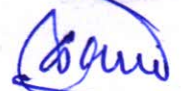




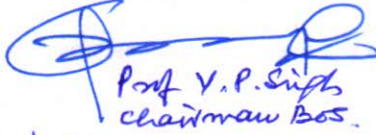







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SECOND SEMESTER

Course Title	Course Outcome
Interior Design – I	The students should be able to: the design procedures and techniques of interior design of spaces with different activities and uses, using different standards, materials and technologies. the visual design in an interior space with color schemes, textures, light, shadow etc.
Materials & Construction Techniques - II	The students should be able to: construction properties and cases of traditional building materials used in construction.
Art & Graphics – II	the possible graphic skills used in interior design and provide a wider knowledge to the students about the various levels of graphic drawings. Familiarize with the principles and theories of graphics.
Drawing Techniques – II	The students should be able to: the drawing techniques and rendering techniques, which would help them to make design more represent- able and readable on paper in two dimensional and three dimensional space.
Computer Applications – I	Students should be able to make drawings by using various computer hardware and software used in interior designing.
History of Interior Design - II	Familiarize with the different culture, society and their style of living, which effects the internal part of their buildings over different periods.
Building Services & Fixtures – I (Water Supply & Sanitation)	Students will learn the Water Supply, Sanitation and waste water disposal system in a building as part of the building services.
Environmental Studies - II	The term environment is used to describe, in the aggregate, all the external forces, influences and conditions, which affect the life, nature, behaviour and the growth, development and maturity of living organisms. At present a great number of environment issues, have grown in size and complexity day by day, threatening the survival of mankind on earth. A study of environmental studies is quite essential in all types of environmental sciences, environmental engineering and industrial management. The objective of environmental studies is to enlighten the masses about the importance of the protection and conservation of our environment and control of human activities which has an adverse effect on the environment.
Introduction to Communication Skills	The course is intended to give a foundation of English Language. The literary texts are indented to help students to inculcate creative & aesthetic sensitivity and critical faculty through comprehension, appreciation and analysis of the prescribed literary texts. It will also help them to respond form different perspectives.
Individual, Society And Nation	To enable the students: · Understand the process of problem solving and creative thinking. · Facilitation and enhancement of skills required for decision-making.
Foreign Language - II French German Spanish Japanese Chinese	To enable the students to overcome the fear of speaking a foreign language and take position as a foreigner speaking French. · To make them learn the basic rules of French Gramma

SUMMER PROJECT – CASE STUDY (4 WEEKS)


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 (Dr. S. K. Singh)

 Dr. P. K. Singh

 Dr. R. K. Singh


 Dr. M. K. Singh

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THIRD SEMESTER

Course Title	Course Outcome
Interior Design – II	the design elements and principles to be followed while designing an institutional building using different standards, materials and technologies.
Materials & Construction Techniques - II	familiarize the students with different building materials and construction techniques.
Building Services & Fixtures – II (Electrical Systems & Lighting)	The students should be able to: Apply practice of electrical systems and fixtures. distribution of main supply, fittings and accessories.
Art & Graphics – III	The students should be able to: Apply the graphics skills used in interior design. Apply the contemporary arts in India and the works of great artists.
Furniture Design Workshop - I	the students aware of the furniture designing which is a important part of interior design.
Computer Applications – II	Learning software i.e. Auto Cad, Coral Draw and Adobe and Photoshop.
History of Interior Design – III	The past trends of interior design development over the periods Learn the development methods and forces to get a clear view of changing design and ideas.
Effective Written Communication	The students should be able to write correctly and properly with special reference to Letter writing.
Problem Solving & Creative Thinking	Enhancing personal effectiveness and performance through effective interpersonal communication · Enhancing their conflict management and negotiation skills
Foreign Language - III French German Spanish Japanese Chinese	· To master the current social communication skills in oral and in written. · To enrich the formulations, the linguistic tools and vary the sentence construction without repetition
Summer Project (Evaluation)	· Research experience is as close to a professional problem-solving activity as anything in the curriculum. It provides exposure to research methodology and an opportunity to work closely with a faculty guide. It usually requires the use of advanced concepts, a variety of experimental techniques, and state-of-the-art instrumentation. · Research is genuine exploration of the unknown that leads to new knowledge which often warrants publication. But whether or not the results of a research project are publishable, the project should be communicated in the form of a research report written by the student.

FOURTH SEMESTER

Interior Design – III	the different types of exhibition and presentation spaces and the interior design requirements related to them.
Materials & Construction Techniques - III	familiarize the students with advanced and speedy building techniques. The understanding for the system to be adopted for the construction of large span structures.
Building Services – III (HVAC & Acoustics)	Introduction of HAVC in terms of theory and practical implementation.
Art & Graphics – IV	the interior surface designing and develop an environment suitable for
Furniture Design Workshop - II	analysis of existing piece of furniture in its functional aspect, technical aspects and skill required materials and properties,
Computer Applications – III	Learning software assisting in 3-Dimensional design.
Estimation & Specifications	Student should be able to working out quantities schedule of rates and Bill of Quantities.
Professional Communication for Recruitment & Employability	Develop a resume for oneself Ability to handle the interview process confidently Learn the subtle nuances of an effective group discussion
Values & Ethics For Personal & Professional Development	To understand the basis of interpersonal relationship · To understand various communication style · To learn the strategies for effective interpersonal

Admission

(An. Sudhakar)

Rajal

Swarnendu

Chairman

*Prof. V. P. Singh
Chairman SAS*

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	relationship
Foreign Language - IV French German Spanish Japanese Chinese	To develop strategies of comprehension of texts of different origin · To present facts, projects, plans with precision

FIELD TRAINING – (08 WEEKS)

FIFTH SEMESTER

Course Title	Course Outcome
Interior Design – IV	The students should be able to: Solve technical and practical issues encountered while designing while designing most functional office space.
Materials & Construction Techniques - IV	The students should be able to: Identify the causes and remedies of various defects in existing and new construction. the need and application of modular coordination in buildings.
Building Services - IV (Fire Safety & Security Systems)	The students should be able to: advanced and specialized services for complex buildings. Applying in architectural design and preparation layout and details.
Computer Application – IV (3-D Max/Modeling/Walkthrough)	Students will be able to use software assisting in 3-Dimensional design.
Sustainable Interiors-I	The students should be able to: Understand The impact of climatic factors on requirements of building design and site planning. Able to planning for thermal comfort, day lighting and natural ventilation, familiarize them with the data, methods, principles, standards and tools for planning and designing for climatic comfort.
Receptive and Expressive Communication Skills	Communicate fluently and sustain comprehension of an extended discourse. Demonstrate ability to interpret texts and observe the rules of good writing. Prepare and present effective presentations aided by ICT tools.
Group Dynamics And Team Building	To inculcate in the students an elementary level of understanding of group/team functions · To develop team spirit and to know the importance of working in teams
Foreign Language - V French German Spanish Japanese Chinese	To furnish some basic knowledge of French culture and civilization for understanding an authentic document and information relating to political and administrative life
Field Training (Evaluation)	To expose the students to the practical environment and works by working under an Architect. · To gain a practical knowledge and involved in all aspects of office works.

SIXTH SEMESTER

Course Title	Course Outcome
Interior Design-V	Able to do spatial design of Hotels/ Resorts. unit addresses the technical and practical issues encountered while designing while designing most functional Hotels/ Resorts.
Materials & Construction Techniques - V	The students should be able to: Use advanced building construction techniques

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Interior Landscape	the knowledge of landscaping design parameters, landscape elements, plant materials etc. use in the interiors effectively for aesthetic enhancement and visual comfort.
Advanced Computer Application-V	Students will be able to use software assisting in 3-Dimensional design.
Photography Techniques	development of fundamental and technical capabilities necessary for photography.
Interior Project Management	Execute an accurate construction budget estimate, Provide accurate specifications for cost and project control, tender, administer the construction and furniture component of the project
Research & Project Introduction	Student will be able to write research paper.
Social Communication Communication Skills	· To facilitate the learner with Academic Language Proficiency and make them effective users of functional language to excel in their profession.
Stress And Coping Strategies	Understand the importance of individual d VII · Better understanding of self in relation to society and nation · Facilitation for a meaningful existence and adjustment in society · Inculcating patriotism and national pride
Foreign Language - VI French German Spanish Japanese Chinese	Revise the portion covered in the first volume, give proper orientation in communication and culture.

SUMMER PROJECT - (4 – 6 WEEKS)

SEVENTH SEMESTER


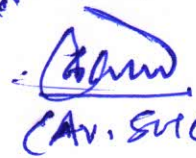

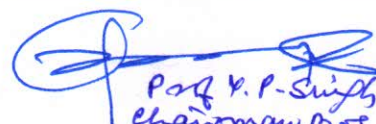



Course Title	Course Outcome
Intelligent Interiors	concept of intelligent buildings with all the latest technologies taken into consideration to build an intelligent building.
Product Design	The students should be able to: apply to develop a design solution by inter-relationship of various parameters through design process, gather data, analyze, synthesize. Provide design solution with thrust on critical analysis of existing products, user needs, material specifications, customized production, latest manufacturing technology
Design Execution Drawings	The students should be able to: The preparation of working drawings for buildings with specific reference to code of practice and incorporating specifications as complementary to the working drawings.
Computer Application – VI	Students will be able to use software assisting in 3-Dimensional design.
Dissertation	Having successfully completed this module you will be able to: <ul style="list-style-type: none"> Identify key research questions within the field of Demography on which you will carry out independent research. Manage your time effectively whilst working on your independent research. Demonstrate knowledge and understanding of report writing. Use and develop written and oral presentation skills. Analyse and synthesise research findings.
Workplace Communication Communication Skills - V	To facilitate the learner with Academic Language Proficiency and make them effective users of functional language to excel in their profession.
Career Planning & Development	Understand the importance of individual difference

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Foreign Language - VII French German Spanish Japanese Chinese	Revise the portion covered in the first volume, give proper orientation in communication and culture.
Field Training (Evaluation)	To expose the students to the practical environment and works by working under an Architect. · To gain a practical knowledge and involved in all aspects of office works.

EIGHTH SEMESTER

Course Title	Course Outcome
Advanced Construction Techniques	Having successfully completed this module you will be able to: Use the construction methods and techniques for the advanced building construction used interior design.
Professional Practice	Role of an interior designer in society, Scale of charges conduct in the practice. Requirements of interior design competitions and appointment of contractor for interior works.
Interior Design (Thesis Project)	Student will be able to find an independent approach to develop an exercise and professional ability to handle professional projects with complete analysis of based data/ information so as to achieve aesthetically planned interior environment for functional efficiency.
Cross Cultural Communication	Understand the importance of individual difference
Positive Personal Growth	Understand the importance of individual difference Better understanding of self in relation to society and nation · Facilitation for a meaningful existence and adjustment in society · Inculcating patriotism and national pride
Foreign Language – VIII French German Spanish Japanese Chinese	To strengthen the language of the students both in oral and written so that they can: · express their sentiments, emotions and opinions, reacting to information, situations; · narrate incidents, events ; · iii) perform certain simple communicative tasks


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COURSE OUTCOME - BACHELOR OF ARCHITECTURE (B. Arch.) (2017)

FIRST SEMESTER

Course Code	Course Title	Course Outcome
BAR 101	Architectural Design – I	<ul style="list-style-type: none"> • Orientation of students to the profession of Architecture • Introduction to the fundamentals of basic design and understanding of forms and spaces in architecture
BAR 102	Building Materials & Construction Technology – I	<ul style="list-style-type: none"> • To familiarize the students with various properties, effects of climate and environmental conditions on, and uses of building materials. • To understand the use of traditional building materials in simple building works. • To help students understand the basic building elements, their function and behavior under various conditions with specific reference to "Load Bearing Construction"
BAR 103	Structural Design & Systems – I	<ul style="list-style-type: none"> • To introduce the structural system in a building with all the basic components to understand the functions of various elements and building technologies used in various types of buildings
BAR 104	Architectural Graphics Skills - Manual – I	<ul style="list-style-type: none"> • To introduce the structural system in a building with all the basic components to understand the the functions of various elements and building technologies used in various types of buildings
BAR 105	Basic Design & Visual Arts - I	<ul style="list-style-type: none"> • Introduction to Art and appreciation of art and its philosophies • Familiarize with principles and theories of arts and architectural composition • Development of art and graphic skills
BAR 106	History of Architecture, Art & Culture – I	<ul style="list-style-type: none"> • Introduction to Architectural elements, forms, development trends, characteristics of construction techniques and technologies, buildings, civilization transformation over the time period • Familiarize with the socio-economic, historical, political influences of time period in Architectural development. Identify the buildings and the major works of the period.
BAR 107	Visual Art & Appreciation	<ul style="list-style-type: none"> • The course will enable the students to develop an understanding of the elements of art, a basic vocabulary for describing visual art, a general understanding of the role art has played throughout Western history, and contemporary trends.
BAR 120	Architectural Workshop – Model Making	<ul style="list-style-type: none"> • To develop the skills in making models out of different materials • Understanding the scale and proportion of objects
BAR 108	Environment Studies – I	<ul style="list-style-type: none"> • The term environment is used to describe, in the aggregate, all the external forces, influences and conditions, which affect the life, nature, behaviour and the growth, development and maturity of living organisms. At present a great number of environment issues, have grown in size and complexity day by day, threatening the survival of mankind on earth. A study of environmental studies is quite essential in all types of environmental sciences, environmental engineering and industrial management. The objective of environmental studies is to enlighten the masses about the importance of the protection and conservation of our environment and control of

Ashish
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Manish
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Monika
(Ar. Monika S. Gupta)

Prof. P.P. Singh

Manish
(Ar. Manish Kumar Chhabra)

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		human activities which has an adverse effect on the environment.
BAR 140	English Language	<ul style="list-style-type: none"> The course is intended to give a foundation of English Language. The literary texts are indented to help students to inculcate creative & aesthetic sensitivity and critical faculty through comprehension, appreciation and analysis of the prescribed literary texts. It will also help them to respond form different perspectives
BAR 143	Behavioural Science – I	<ul style="list-style-type: none"> Understanding self & process of self exploration Learning strategies for development of a healthy self esteem Importance of attitudes and its effective on personality Building Emotional Competency
BAR 144 BAR 145 BAR 146 BAR 147 BAR 148	Foreign Language - I French German Spanish Japanese Chinese	<p>To familiarize the students with the French language</p> <ul style="list-style-type: none"> with the phonetic system with the syntax with the manners with the cultural aspects

SECOND SEMESTER

Course Code	Course Title	Course Outcome
BAR 201	Architectural Design – II	<ul style="list-style-type: none"> To enhance the students' understanding regarding inter-relation of various simple functions and circulation and movement of vehicles with clear concepts of connectivity. Introduction to the commercial activity spaces with multiple functions, forms and movement.
BAR 202	Building Materials & Construction Technology – II	<ul style="list-style-type: none"> To acquaint the students to building materials such as Timber, Reinforced Concrete and Reinforced Brick work, Steel and the effects of climate and environmental conditions on these. To familiarize the students with construction techniques for use of the above materials in building works.
BAR 203	Structural Design and Systems – II	<ul style="list-style-type: none"> To understand the basic principles of structural system so that it forms the basis for study of structural design. To help students to understand the basic principles of structural behavior and requirements of buildings with emphasis laid on the principles of various load distribution in beams and columns.
BAR 204	Architectural Graphics Skills - Manual – II	<ul style="list-style-type: none"> Understanding of the period in term of its location, climate as well as the socio-cultural historical, economical and political influences of the time Study of the building types and development of architectural form with examples that identify the works of the period
BAR 205	Basic Design and Visual Arts – II	<ul style="list-style-type: none"> Introduction to Art and appreciation of art and its philosophies Familiarize with principles and theories of arts and architectural composition Development of art and graphic skills.
BAR 206	History of Architecture, Art & Culture – II	<ul style="list-style-type: none"> Understanding of the period in term of its location, climate as well as the socio-cultural historical, economical and political influences of the time. Study of the building types and development of architectural form with examples that identify the works of the period
BAR 207	Computer Application	<ul style="list-style-type: none"> To introduce various software to the students helping them in compilation of then text reports etc. To enable the students to understand the role of various data storing devices such as scanners Digitizers etc. and their applications
BAR 220	Architectural workshop – II (Photography & Furniture Design)	<ul style="list-style-type: none"> To provide knowledge about analysis of existing piece of furniture in its functional & technical aspects. Materials used for furniture design and their properties. Design of simple

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		furniture based on ergonomic, anthropometric, aesthetic and economical considerations.
BAR 208	Environment Studies – II	<ul style="list-style-type: none"> The term environment is used to describe, in the aggregate, all the external forces, influences and conditions, which affect the life, nature, behaviour and the growth, development and maturity of living organisms. At present a great number of environment issues, have grown in size and complexity day by day, threatening the survival of mankind on earth. A study of environmental studies is quite essential in all types of environmental sciences, environmental engineering and industrial management. The objective of environmental studies is to enlighten the masses about the importance of the protection and conservation of our environment and control of human activities which has an adverse effect on the environment.
BAR 241	Communication Skills	<ul style="list-style-type: none"> The course is intended to give a foundation of English Language. The literary texts are indented to help students to inculcate creative & aesthetic sensitivity and critical faculty through comprehension, appreciation and analysis of the prescribed literary texts. It will also help them to respond form different perspectives.
BAR 243	Behavioural Science – II	<p>To enable the students:</p> <ul style="list-style-type: none"> Understand the process of problem solving and creative thinking. Facilitation and enhancement of skills required for decision-making.
BAR 244 BAR 245 BAR 246 BAR 247 BAR 248	Foreign Language - II French German Spanish Japanese Chinese	<ul style="list-style-type: none"> To enable the students to overcome the fear of speaking a foreign language and take position as a foreigner speaking French. To make them learn the basic rules of French Grammar

THIRD SEMESTER

Course Code	Course Title	Course Outcome
BAR 301	Architectural Design – III	<ul style="list-style-type: none"> To work on multi utility, multiple user based, multi level public/ semi public building of specific scale covering an area of 1500-2000 sqm on site. Understanding the theoretical and practical aspects of building design as per the specified scale and complexity with a three dimensional form development
BAR 302	Building Materials & Construction Technology – III	<ul style="list-style-type: none"> To acquaint students with currently used wood alternatives for interior works and their applicability. Used construction details for conventional staircases and steel windows. To familiarize the students with construction techniques for use of the above materials in building works and effects of climate and environmental conditions on these
BAR 303	Structural Design and Systems – III	<ul style="list-style-type: none"> To understand an informal choice regarding the most appropriate structural system for the building design due to different types of loading. Provide a basic understanding about the structural modeling and research techniques in the field of Architecture
BAR 304	Architectural Graphics Skills - Manual – III	<ul style="list-style-type: none"> To familiarize the students with the pictorial and pictorial aspects of architectural drawing. To introduce the graphic treatment of two and three-dimensional drawing. Perception development and presentation of simple architectural forms of buildings
BAR 305	Basic Design & Visual Arts - III	<ul style="list-style-type: none"> Introduction to Art and appreciation of art and its philosophies Development of sensitivity towards sculpture and mural as an integral part of architecture.

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Harshika
(AR. MONIKA S. GUPTA)

Rishi
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(Ar. Y.P. Singh)

Sahni
(Shruti Patil)

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BAR 306	History of Architecture, Art and Culture - III	<ul style="list-style-type: none"> Understanding the world architecture during the Greek, Roman and Romanesque Period, Study of specific Architectural characteristics and their origin in above mentioned period
BAR 307	Architecture Climatology	<ul style="list-style-type: none"> To acquaint students to various concepts of climate analysis and its use in Architecture. To familiarize students with human thermal comfort as an essential function of building
BAR 360	Measure Drawing Tour	<ul style="list-style-type: none"> To expose the students to the buildings of historical Importance and to document it through physical measurements and transforming these measurements into Architectural drawings
BAR 341	Effective Written Communication	<ul style="list-style-type: none"> To form written communication strategies necessary in the workplace
BAR 343	Behavioural Science – III	<ul style="list-style-type: none"> Enhancing personal effectiveness and performance through effective interpersonal communication Enhancing their conflict management and negotiation skills
BAR 344 BAR 345 BAR 346 BAR 347 BAR 348	Foreign Language - III French German Spanish Japanese Chinese	<ul style="list-style-type: none"> To master the current social communication skills in oral and in written. To enrich the formulations, the linguistic tools and vary the sentence construction without repetition
BAR 360	Summer Project – I (Evaluation)	<ul style="list-style-type: none"> Research experience is as close to a professional problem-solving activity as anything in the curriculum. It provides exposure to research methodology and an opportunity to work closely with a faculty guide. It usually requires the use of advanced concepts, a variety of experimental techniques, and state-of-the-art instrumentation. Research is genuine exploration of the unknown that leads to new knowledge which often warrants publication. But whether or not the results of a research project are publishable, the project should be communicated in the form of a research report written by the student.

FOURTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 401	Architectural Design – IV	<ul style="list-style-type: none"> To work on context based design problem also considering cost effective building technology and earthquake resistant structure. Understanding the theoretical and practical aspects of building design as per the specified scale and complexity with a three dimensional form development
BAR 402	Building Materials & Construction Technology – IV	<ul style="list-style-type: none"> To understand and detail staircases in alternative materials To acquaint students to flooring and false ceiling materials and their detailing. To apply previously gained detailing knowledge and design skills for gates and railing designs.
BAR 403	Structural Design & Systems – IV	<ul style="list-style-type: none"> To understand rational basis of the design of reinforced concrete members and structures through advanced materials and structural behavior. Enable students to undertake problems, identify, formulate and solve the critical thought, rational inquiry and self-directed learning.
BAR 404	Architectural Graphics Skills – IV (Computer Aided)	<ul style="list-style-type: none"> To introduce principles of computer operations pertaining to architectural drawings i.e 2D drafting and explore image editing through a visual composition i.e 3D modeling.
BAR 405	Building Services – I (Water supply and	<ul style="list-style-type: none"> To acquaint students to basic principles of water supply, sanitation and plumbing bye laws.

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	Sanitation)	<ul style="list-style-type: none"> To assist them in design of plumbing systems at building level for different building typologies
BAR 406	History of Architecture, Art and Culture - IV	<ul style="list-style-type: none"> Understanding the world architecture during the Gothic, Renaissance and Baroque Period; Study of specific Architectural characteristics and their origin in above-mentioned period.
BAR 407	Surveying and Leveling	<ul style="list-style-type: none"> Course is aimed to impart basic surveying principles and skills commonly needed in the planning of projects. Demonstrate the role and application of modern surveying techniques and technologies
BAR 408	Building Bye - Laws & Code of Practices	<ul style="list-style-type: none"> To study the development controls as applicable to building design. To acquaint the students to compulsory building bye-laws and permits.
BAR 441	Professional Communication	<ul style="list-style-type: none"> To teach the participants strategies for improving academic reading and writing. Emphasis is placed on increasing fluency, deepening vocabulary, and refining academic language proficiency
BAR 443	Behavioural Science - IV	<ul style="list-style-type: none"> To understand the basis of interpersonal relationship To understand various communication style To learn the strategies for effective interpersonal relationship
BAR 444 BAR 445 BAR 446 BAR 447 BAR 448	Foreign Language - IV French German Spanish Japanese Chinese	<ul style="list-style-type: none"> To develop strategies of comprehension of texts of different origin To present facts, projects, plans with precision

Monika S. Gupta
(AR. MONIKA S. GUPTA)

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(Arch. Rajeev Kumar)

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(Ar. Manish K. Chitranshi)

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Swapnil
(Ar. Swapnil)

Mayank Mathur
(Ar. Mayank Mathur)

Vinod Sharma
(Ar. Vinod Sharma)

Ashish
(Ar. Ashish Sharma)

Salim
(Ar. Shirai, Salim)

Ashish
(Ar. Ashish)

FIFTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 501	Architectural Design -V	<ul style="list-style-type: none"> To work on context based design problem considering Energy Efficient buildings. Understanding the theoretical and practical aspects of building design as per the different energy efficient details and technology.
BAR 502	Building Materials & Construction Technology - V	<ul style="list-style-type: none"> Course aims to provide knowledge about Ferrous and non ferrous metals, Manufacturing, properties, quality and its use as a building construction material. Construction in Steel and how various structural elements of a building like foundation, staircase etc. are detailed out and constructed.
BAR 503	Structural Design & Systems - V	<ul style="list-style-type: none"> To understand the analysis of in-determinant structures and their use in field in greater depth.
BAR 504	Architectural Graphics Skills - V - (Computer Aided)	<ul style="list-style-type: none"> To introduce various software to the students helping them in compilation of then text reports etc. To train students in drafting and presentation techniques using computers.
BAR 505	Building Services - II (Electrical, HVAC)	<ul style="list-style-type: none"> Integration of electrical system with building design & application of indoor and outdoor lighting in appropriate way in building planning and designing. To expose the students to the areas of air-conditioning, heating and ventilation
BAR 506	Working Drawing Studio	<ul style="list-style-type: none"> Learn to make and understand Architectural Construction and execution drawings along with the their detailing.
BAR 507	Interior & landscape Design Studio	<ul style="list-style-type: none"> Understanding the theoretical and practical aspects of designing the interiors of a building. To acquaint the student with the various natural elements used to design transitional and outside spaces and establish a linkage between nature and the built environment.
BAR 541	Receptive and Expressive Communication Skills	<ul style="list-style-type: none"> To equip the participant with linguistic skills required in the field of science and technology while guiding them to excel in their academic field.
BAR 543	Behavioural Science - V	<ul style="list-style-type: none"> To inculcate in the students an elementary level of understanding of group/team functions To develop team spirit and to know the importance of working in teams
BAR 544 BAR 545 BAR 546 BAR 547 BAR 548	Foreign Language - V French German Spanish Japanese Chinese	<ul style="list-style-type: none"> To furnish some basic knowledge of French culture and civilization understanding an authentic document and information relating to political and administrative life
BAR 560	Study Tour	<ul style="list-style-type: none"> To provide exposure to the students to the real Architectural world and to make them aware of the construction techniques of the real time of different places of Architectural importance

SIXTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 601	Architectural Design - VI	<ul style="list-style-type: none"> Understanding design as a function of specific agent, site condition, orientation, climate, circulation and essential services with design
BAR 602	Building Materials & Construction Technology - VI	<ul style="list-style-type: none"> Introduction to advanced structural systems in buildings. Learning construction details of various building parts at advanced level.
BAR 603	Structural Design & Systems - VI	<ul style="list-style-type: none"> To understand the analysis of intermediate structures and their use in field in greater depth.

Ashish
(Ar. Ashish Sharma)

Manish K
(Ar. Manish K Chitrani)

Monika
(AR. MONIKA S-GUPTA)

Vinod
(Ar. Vinod)

Y.P. Singh
(Ar. Y.P. Singh)

Ar. Vinod
(Ar. Vinod)

Shirani Patil
(Ar. Shirani Patil)

Ar. Shikha
(Ar. Shikha)

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BAR 604	Architectural Graphics Skills – VI – (Computer Aided)	<ul style="list-style-type: none"> To introduce various software to the students helping them in compilation of then text reports etc. To train students in drafting and presentation techniques using computers.
BAR 605	Building Services – III (Electrical, HVAC)	<ul style="list-style-type: none"> Understanding the architectural development in different periods over centuries in history. Understanding the Need, demand and supply in different periods by various great designers.
BAR 606	Estimation, Costing and Specification	<ul style="list-style-type: none"> To familiarize the students with the theory and practice of estimation and quantity surveying. To develop the understanding of specification writing
BAR 607	Construction and Site Management	<ul style="list-style-type: none"> Introduction of networking techniques and construction planning practices. Use of construction equipment and method along with quality control
BAR 608	Barrier Free Architecture	<ul style="list-style-type: none"> The subject looks at barrier free design principles and concepts of universal design Barrier free design principles in urban design Provides an idea about barrier free construction principles in buildings.
BAR 609	Building Economics	<ul style="list-style-type: none"> To develop an understanding among the students regarding management of physical and human resources including evaluation techniques pertaining to a business organization in general and specific to construction industry
BAR 641	Social Communication	<ul style="list-style-type: none"> To enhance the skills needed to work in an English-speaking global business environment.
BAR 643	Behavioural Science – VI	<ul style="list-style-type: none"> To develop an understanding the concept of stress its causes, symptoms and consequences. To develop an understanding the consequences of the stress on one's wellness, health, and work performance.
BAR 644 BAR 645 BAR 646 BAR 647 BAR 648	Foreign Language - VI French German Spanish Japanese Chinese	<ul style="list-style-type: none"> To strengthen the language of the students both in oral and written that they can: express their sentiments, emotions and opinions, reacting to information, situations; narrate incidents, events ; iii) perform certain simple communicative tasks.

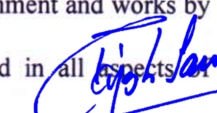
SEVENTH SEMESTER

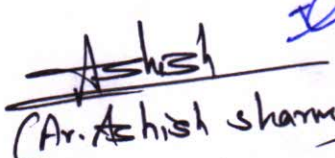
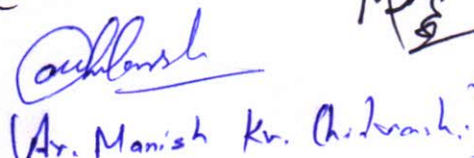


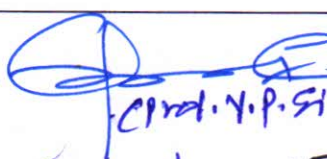
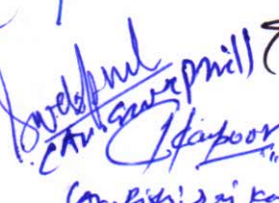
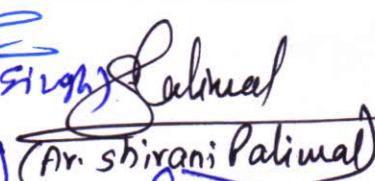
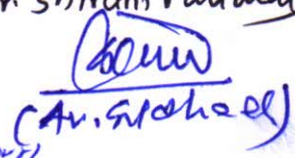
Course Code	Course Title	Course Outcome
BAR 701	Architectural Design – VII (Housing)	<ul style="list-style-type: none"> To acquaint the students with large scale housing design along with other land use development in an urban context, phasing and development. To expose the students to advance building services and systems and to urban development regulations, building bye-laws and architectural controls.
BAR 702	Advance Construction Technology – VII	<ul style="list-style-type: none"> Course aims to provide knowledge about latest technology adopted for high rise and on reclaimed lands. Most modern techniques for fast pace construction and for large span structures.
BAR 703	Professional Practice & Management	<ul style="list-style-type: none"> To acquaint the students with the responsibility, scale of charges and Architect's conduct in Architectural practice. To understand the office and administration of an Architect's office, Tenders and contracts.
BAR 704	Green Buildings	<ul style="list-style-type: none"> To familiarize students with principles, techniques and guidelines for planning and design of energy conserving architecture.
BAR 720	Professional Practice – I	<ul style="list-style-type: none"> To acquaint the students with the responsibility, scale of charges and Architect's conduct in Architectural practice.

Ashish (Ar. Ashish Sharma)
 Manish K. (Ar. Manish K. Chaturvedi)
 S. GUPTA
 CAR. MONIKA
 C. Prof. Y.P. Singh
 Ar. Shivani Lalwani
 Ar. Rishi Raj
 Ar. Rishi Raj

		<ul style="list-style-type: none"> To understand the office and administration of an Architect's office, Tenders and contracts
BAR 705	Disaster resistant Structures	<ul style="list-style-type: none"> Introduce students to the research based project and its analysis Treated as preamble as the base for thesis project done on individual basis so the students could learn to work on research project
BAR 706 BAR 707 BAR 708	Elective – I (Select any One) <ul style="list-style-type: none"> Town Planning Housing & Community Design Architectural Conservation 	<ul style="list-style-type: none"> Introduction to elementary science of town planning principles. Introduction to evaluation and development of town planning through history To familiarize the students with various aspects, issues and considerations related to housing design and community planning. To familiarize the students with various aspects of architectural conservation. To understand the role of a conservationist architect.
BAR 709 BAR 710 BAR 711	Elective – II (Select any One) <ul style="list-style-type: none"> Energy Conservation Architecture Urban Design Disaster Resistant Architecture 	<ul style="list-style-type: none"> To familiarize students with principles, techniques and guidelines for planning and design of energy conserving architecture Study of solar energy systems and other alternative sources of energy being used in architectural applications. Introduction of basic elements, principles and techniques of urban design. To design the urban space in context to the surroundings and environment. To expose the students to the various theoretical and practical aspects of disaster resistant structures.
BAR 741	Workplace Communication	<ul style="list-style-type: none"> To facilitate the learner with Academic Language Proficiency and make them effective users of functional language to excel in their profession.
BAR 743	Behavioural Science – VII	<ul style="list-style-type: none"> Understand the importance of individual differences Better understanding of self in relation to society and nation Facilitation for a meaningful existence and adjustment in society Inculcating patriotism and national pride
BAR 744 BAR 745 BAR 746 BAR 747 BAR 748	Foreign Language - VII French German Spanish Japanese Chinese	<ul style="list-style-type: none"> Revise the portion covered in the first volume, give proper orientation in communication and culture.
BAR 760	Study Tour	<ul style="list-style-type: none"> To provide exposure to the students to the real Architectural world and to make them aware of the construction techniques of the real time of different places of Architectural importance

EIGHTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 050	Practical Training	<ul style="list-style-type: none"> To expose the students to the practical environment and works by working under an Architect. To gain a practical knowledge and involved in all aspects of office works.
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 (Ar. Ashish Sharma)
 (Ar. Manish K. Chandra)
 (AR. MONIKA S. GUPTA)
 (Ar. Anshu)
 (Ar. Y.P. Singh)
 (Ar. Shikha)
 (Ar. Shirani Patil)
 (Ar. Anshu)

NINTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 901	Architectural Design – VIII (Urban Design)	<ul style="list-style-type: none"> Students will interpret and assess urban envelopes and spaces in context of city design. Further, students will relate human activities with built fabric
BAR 902	Dissertation	<ul style="list-style-type: none"> Student will learn the methodology to undergo a deep research in the field of architecture
BAR 903	Practical Training Presentation	<ul style="list-style-type: none"> 140 days of professional practice which he/she will be submitting in the form of report. Report shall be detailed work done on weekly . critical appraisal of built projects, field documentation of Architectural details and site supervision of built projects.
BAR 904	Town Planning	<ul style="list-style-type: none"> Introduction to elementary science of town planning principles. Introduction to evaluation and development of town planning through history
BAR 905	Low cost Architecture	<ul style="list-style-type: none"> Students will learn the methods and techniques of cost effective Architecture

TENTH SEMESTER

Course Code	Course Title	Course Outcome
BAR 1001	Architectural Thesis	<ul style="list-style-type: none"> The students will produce the complete design solution for a projects comprising of all the required drawings, service details and structural techniques with a support of 3-D or static model
BAR 1002	Advance Study	<ul style="list-style-type: none"> Student will learn the methodology to undergo a deep research in the field of architecture.
BAR 1003	Architecture Conservation	<ul style="list-style-type: none"> Students will interpret the knowledge of architectural conservation specifically catering to the regional heritage & awareness of holistic nature of restoration and conservation practices.
BAR 1004	Alternative source of energy and built environment	<ul style="list-style-type: none"> To familiarize with the technologies using renewable sources of energy in developing and harnessing energy for built environment.

Monika Gupta
(AR. MONIKA GUPTA)

IC Mittal

(Prof. Y.P. Singh)

Ashish Kumar
(Ar. Ashish Kumar)

Swagat
(Ar. Swagat)

Dr. Pooja Raj Kapoor

Sahil
(Ar. Sahil)

Ar. Manish K. Chhabra
(Ar. Manish K. Chhabra)

Prof. Mayank Mathur

Ar. Siddhant
(Ar. Siddhant)

Ar. Vineet
(Ar. Vineet)

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